



***Almesan Alüminyum
Sanayi ve Ticaret A.Ş.***
Sustainability Report 2021

This report has been prepared by Almesan Alüminyum Sanayi ve Ticaret A.Ş. accordance with GRI Sustainability Reporting Standards on the basis of the United Nations Sustainable Development Goals and the European Union Green Deal, and all information and data in the report include the results of work performed by Almesan Alüminyum. Information and data can be used in another study by citing the source. In case of use as a reference in comparative reports, approval of Almesan Alüminyum is subjected.

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01 About The Report

[GRI 102-3/-45/-46/-50/-51/-52/-53/-54/-56]

Along with the great change process that the whole world has gone through, we have faced many different issues to be taken into account and to do our preparations in advance. This enabled us to remember once again the importance of the concept of sustainability and to put it at the core of our work even more carefully.

By the first sustainability report, we aimed to present our economic, social and environmental performance, which has matured over the years, to all our stakeholders, based on our management approach.

Our report has been prepared by adhering to the “Basic [Core]” option within the scope of the standards published by the Global Reporting Initiative [GRI].

The United Nations Sustainable Development Goals [UN-SDG] was another priority factor in our report while it was being prepared in accordance with the GRI Standards. The targets set and the references taken are in compliance with the UN-SDGs and include its relevant articles. During preparation this report, the European Union Green Deal [EU-GD] was also included as our guide for the future.

2021 Period Report includes information about Almesan Alüminyum's headquarter and facilities in Turkey. Sustainability reports are planned to be prepared and published annually.

The Sustainability Report of Almesan Alüminyum Sanayi ve Ticaret A.Ş. has been prepared in Turkish and English languages, . The report has not been externally audited.



The information about the headquarter and production facility within the scope of sustainability is as follows:

Headquarter: Veysel Karani Mahallesi Çolakoğlu Sokak No: 10, Rings Blok No: 10/128 34885 Sancaktepe – İstanbul / Türkiye

Facilities: Arslanbey Organize Sanayi Bölgesi, 1. Cadde, No:10 41285 Kartepe – Kocaeli / Türkiye

You can forward all your questions, opinions and suggestions on the report and sustainability to the e-mail addresses of sustainability@almesan.com.tr or surdurulebilirlik@almesan.com.tr

You can also follow Almesan Alüminyum's sustainability studies and reports on the website www.almesan.com.tr

02 Message from Top Management

[GRI 102-14]



Dear Almesan Stakeholders,

Together with the industrial journey we started in 2008, Almesan Aluminum has become an aluminum semi-finished product manufacturer preferred by global manufacturers in its own market. The way we set out by targeting the kitchenware industry at the beginning of this business has made us a global player as a supplier of the kitchenware industry. In addition, we have become the share owner of an increasing market in the energy, automotive and flat product sectors.

We have always been in sense to the critical agendas of the world while expanding our industrial and intellectual capacity with our both physical and employee-focused investments.

The important issues of today and the future, climate change, environmental pollution, risks in natural resources have pushed us to take more responsibility and share the added value we create with our stakeholders in the optimum way. At the same time, we effort to raise awareness by conveying our sensitivities to our own stakeholders.

While developing corporate sustainability approach, Almesan Alüminyum has adopted the United Nations Global Compact and Sustainable Development Goals as its roadmap. Besides this, we also attach importance to the Green Deal initiated throughout the European Union, which we believe will be one of the touchstones for a more livable world.

For this reason, in our first sustainability report we have prepared, both the United Nations Sustainable Development Goals and the European Union Green Deal have been our reference points, while revealing our goals and vision covering the period 2021 – 25.

At the point we have reached by the high quality and reliability of our products, we have also made significant improvements in the management of environment, occupational health and safety, energy efficiency and information security. We continue our investments in these matters. This is a sure indication that Almesan Alüminyum's sustainable journey will reach its goal in the near future, thanks to the valuable contributions of our employees and cooperation with our stakeholders.

I would like to express my gratitude to all our stakeholders by the hope of a more livable world.

Kind regards

Mehmet Öncel

General Manager and Chairman of the Board





As a result of 50 years of experience in the pharmaceutical industry, Selçuklu Holding founded in 1997 by Pharmacist Mustafa Öncel who is the one of the second generation pharmacists of Türkiye, has the vision of 'being always one step ahead of change'.

Selçuklu Holding, which has eight companies in different fields with its corporated structure, aims to comply with international standards, continuous development and innovation in all its activities.

Selçuklu Holding makes investments with the awareness of its corporate social responsibilities and takes global steps by establishing multinational partnerships.

Today, by the priority in production and R&D, it operates in the fields of pharmaceuticals, genetic technologies, aluminium, construction, retail, kitchenware.

For more detailed information, the website www.selcukluholding.com.tr can be visited.





Almesan Alüminyum started its commercial activities in 1994, decided to make its first industrial investment in 2008 and to continue as industrial entity. It has completely purchased a Canadian facility producing for the important automotive manufacturers of North America, and moved the facility to the current location in Arslanbey Organized Industrial Zone, and started its production activities since 2009 with a successful commissioning process.

Almesan Alüminyum as an only twin band casting technology user of Turkey, is besides the leader in the production of slugs and discs in the aluminum flat product sector, in 2018, it has completed its investment upto 1600 mm width continuous casting line including cut-to-length, press, cold rolling, annealing, washing-tensioning and slitting lines for new emerging markets.

Almesan Alüminyum's Production Facilities located in Kocaeli Arslanbey Organized Industrial Zone have 100.000 m² open and 50.000 m² closed area. Incorporating two different production technologies, Almesan Alüminyum has an annual production capacity of 50 thousand tons of casting and hot rolled coils.

Almesan Alüminyum; cold and hot rolled flat products together with disc production presses, slug production presses, cold-hot forging presses and machining benches, specific mold inventory that can produce different parts with wide ranges, slug annealing furnaces, quenching and aging furnaces, surface sandblasting, with process equipment that can perform vibration and roughening operations; It has an annual production capability and capacity of 30,000 tons of aluminum discs, slugs, strips, automotive rod parts. Almesan Alüminyum is able to manufacture its own production molds for parts orders of different sizes and geometries from its customers. 4xxx, 5xxx, 6xxx series alloys are produced only by Almesan Alüminyum in Turkey with twin band casting technology.

Almesan Alüminyum supplying aluminum semi-products to the world's leading kitchenware manufacturers, also serves as the main supplier to the manufacturers of well-known large retail chains. stores. In addition to the kitchenware industry, Almesan Alüminyum supplies materials, semi-products and cold hot formed parts to spare parts manufacturers of the world's leading automotive brands.

The energy sector is a promising market for Almesan Alüminyum with transformer and cable manufacturers.

More than 50 percent of the sales are exported, and European countries are the main sales geography. In addition, North America and the Middle East are also among the emerging markets.



03 About Us
[GRI 102-1/-2/-4/-6/-45]

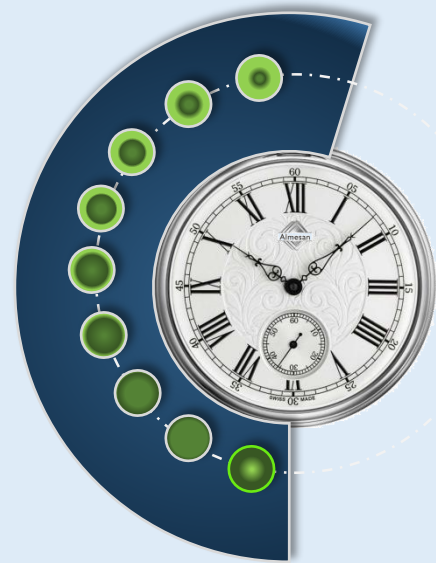
03.03 Almesan Alüminyum At A Glance
[GRI 102-7]

Timeline



- 2008** Start-up of the first industrial investment
- January 2009** First production
- August 2010** ISO 9001 Quality Management System
- August 2016** ISO 14001 Environmental Management System
- 2017** Establishment of the second facility
- May 2017** ISO 27001 Information Security Management System
- September 2018** Authorised Economic Operator

- February 2019** Takeover of the first phase of the second facility
- February 2019** Almesan Akademi
- March 2019** Almesan IPHQ (Innovation and Productivity Headquarter)
- July 2019** Start-up of Social Accountability Management System Works
- August 2019** OHSAS 18001 OH&S Management System
- January 2021** UN Sustainable Development Goals and , EU Green Deal works start-up
- February 2021** IATF 16949 Automotive Quality Management System
- March 2021** ISO 50001 Energy Management System
- August 2021** ISO 45001 OH&S Management System



Europe's Leading Disc Manufacturer

At Aluminium Kitchenware Sector Number One Exporter

Annual Product Capacity 30.000 ton

Export Ratio % 55,5

4 Continents 31 Countries

105 Global 70 Local 175 Customers

Twin Band Technology Aluminium Casting The Only Manufacturer in Europe

Industrial Companies Ranking of Türkiye Top 1000

...Let's Start Today For Future Generations...



Commercial Alloys



1xxx	Al	1050, 1070, 1100
3xxx	Mn	3003, 3005, 3105
4xxx	Fe	4006, 4017
5xxx	Mg, Si, Fe	5005, 5052, 5754
6xxx	Mg, Si	6060, 6061, 6063, 6082
8xxx	Fe, Mn	8006, 8111

Production Capabilities

Casting

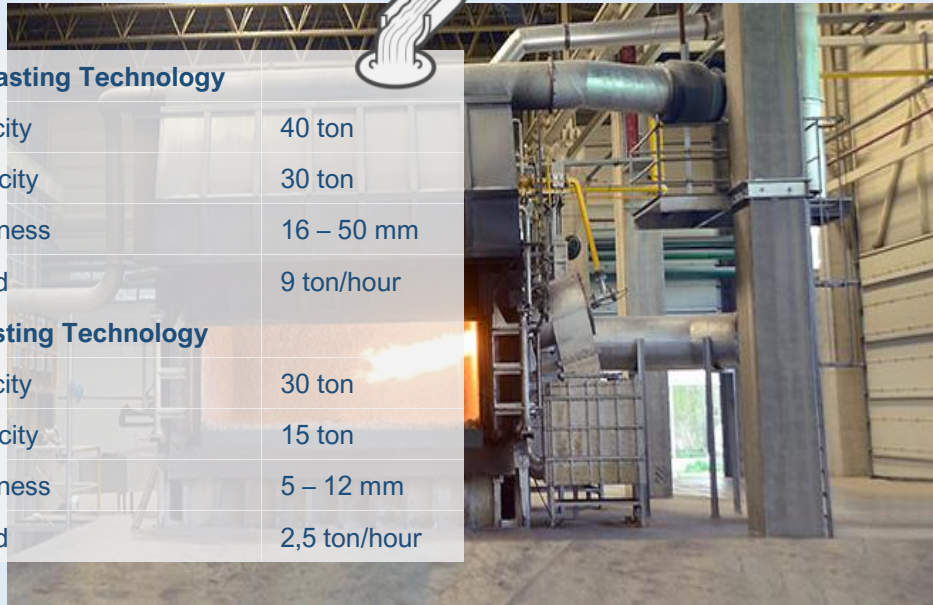


Twin Band Casting Technology

Melting Capacity	40 ton
Hold-on Capacity	30 ton
Casting Thickness	16 – 50 mm
Casting Speed	9 ton/hour

Twin Roll Casting Technology

Melting Capacity	30 ton
Hold-on Capacity	15 ton
Casting Thickness	5 – 12 mm
Casting Speed	2,5 ton/hour



Hot Rolling

Hot Rolling I

Compression Ratio	55 %
Maximum Width	650 mm
Thickness	16 – 45 mm

Hot Rolling II

Compression Ratio	45 %
Maximum Width	650 mm
Thickness	7 – 12 mm

Cold Rolling



Cold Rolling I

Compression Ratio	45 %
Maximum Width	700 mm
Thickness	0,30 – 12 mm

Cold Rolling III

Compression Ratio	45 %
Maximum Width	1600 mm
Thickness	0,30 – 10 mm





Annealing



Annealing Furnaces I and II

Capacity	20 ton
Annealing Temperature	560 °C

Annealing Furnace V

Capacity	60 ton
Annealing Temperature	560 °C

Heat Treatment Furnace III

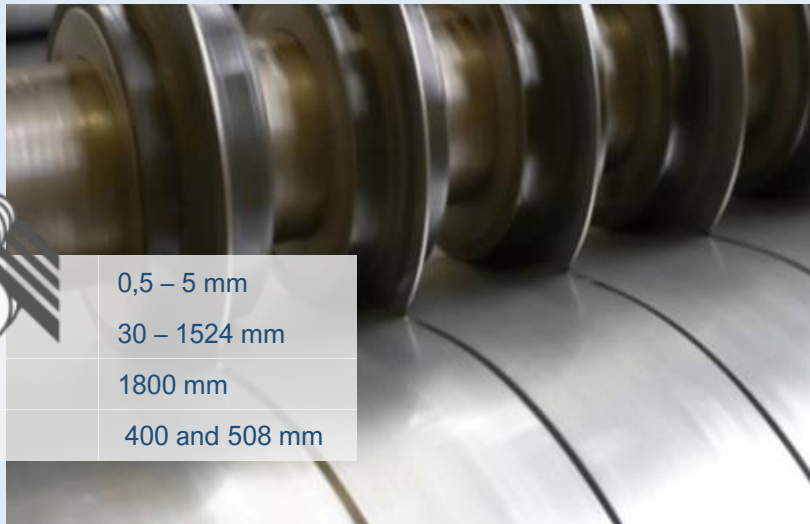
Aging

Heat Treatment Furnace IV

Quenching



Slicing Lines

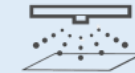


Thickness	0,5 – 5 mm
Width	30 – 1524 mm
Maximum Roll Dia.	1800 mm
Roll Inner Dia.	400 and 508 mm



Cut-to-Length

Thickness	0,5 – 5,0 mm
Width	200 – 1524 mm
Plate Length	200 – 6000 mm
Roll Inner Dia.	508 mm



Washing and Tensioning Lines

Thickness	0,2 – 5,0 mm
Width	300 – 1600 mm
Maximum Roll Dia.	1800 mm
Roll Inner Dia.	508 mm





Disc Press Lines



Dia. 80 – 7500 mm
Thickness 0,30 – 10,00 mm

Slug Press Lines



Dia. 12,7 – 178,00 mm
Thickness 1,00 – 50,00 mm



Hot- and Cold- Forming Capabilities
Maximum Thickness

Hot- and Cold- Forging and Forming Press Lines



3500 ton
5000 ton
50 mm



Almesan Alüminyum Product Details

Aluminium Discs		Thickness : 0,4 – 10,0 mm Dia: 80 – 750 mm
Aluminium Coated Discs		Thickness : 0,4 – 10,0 mm Dia: 80 – 750 mm
Plates – Hot Rolled by Twin Band Casting Technology		Thickness: 5,0 – 50,0 mm Width: 300 - 650 mm
Sheets		Thickness: 0,2 – 2,5 ¹ 0,5 – 5,0 ² mm Width: 300 – 1524 mm Length ¹ : 200 – 700 mm Length ² : 600 – 6000 mm (For thickness 2,50 mm and above)
Rolls		Thickness: 0,15 – 10,0 mm Width: 300 – 1600 mm
Strips		Thickness: 0,2 – 4,0 mm Width: 30 mm – 600 mm (20 mm is available for specified conditions.)
Slugs		Thickness. 1 – 50 mm Dia. 12,7 – 178 mm
Hot- and Cold-formed Parts		Thickness: max. 50 mm
Automotive Component Parts		Thickness max: 50 mm
Crucible Casting Kitchenware Semi Products		Dia. Range: 160 mm-320 mm Product Weight: 800-1900 gr
Metal-Spinning Products		Max. Allowable Dia: 995 mm Thickness (Aluminium) 6 mm Thickness (St 37) 4 mm Thickness (SS) 2,5 mm

Product Safety and Audits

At Almesan Alüminyum, in order to make a sustainable system possible, development potential is revealed through different external and internal audits. Audits are seen as an opportunity to analyze nonconformities and risks, and the principle of transparency is not compromised in both external and internal audits.

Management Systems Certification Audits

ISO 9001 Quality Management System | ISO 14001 Environmental Management System | **ISO 45001 Occupational Health and Safety Management System** | ISO 27001 Information Security Management System | **ISO 50001 Energy Management System** | IATF 16949 Automotive Quality Management System

Compatibility Audits for AEO Regulations

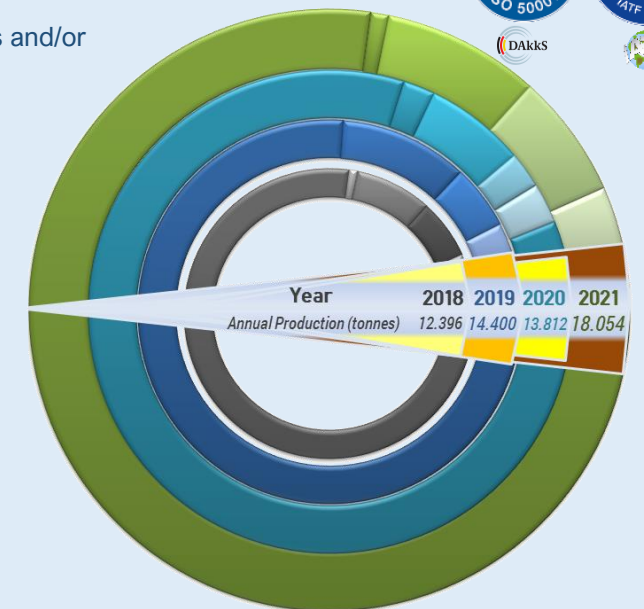
Independent (Third Party) Financial Audits

Internal Audits

Internal audits in the scope of management systems
Process internal audits
Product internal audits
Supervisions and audits performed by customers and/or by third party verifiers on behalf of customers



Productions (product-ton/year)



03 About Us

[GRI 102-1/-2/-4/-6/-45]

03.05 R&D and Innovation

[GRI 103-1/-2/-3]



Almesan Alüminyum, since its establishment, it has focused to intensive works on the production of new products, their introduction to the market and the application of innovative production techniques that are alternative to existing production techniques.

As a result of these, the Research and Development Center, which started in 2018 on the basis of ideas, have become one of the strategic moves of 2019, and Almesan has decided of a new physical investment.

The concept of R&D is the result of human beings' efforts to improve their own conditions, not only in business life, but also in a search and learning desire at all stages of life.

Almesan Alüminyum has made its research and development studies one of the main processes of the management system and has defined the concept of R&D together with the concepts of innovation and efficiency. Almesan Aluminum has set three strategic goals:

- Spreading the sustainable research and development culture throughout the company
- Promoting a training-based system that will increase the personal development and competence of employees
- Decision making mechanism based on measurable, accurate and reliable process data

Almesan Innovation and Productivity Headquarter (IVME) has been shaped by these three concepts that meet on the basis of innovation and productivity.

Almesan Alüminyum's R & D Strategies and Goals

- Developing new manufacturing technologies / processes with the goal of high quality and low cost
- Developing products that locally cannot be produced, by use of different raw materials and by developing new processes.
- Creating business value based on intellectual property with original, innovative and value-added product and process designs
- Increasing the contribution to the financial performance of Almesan Alüminyum as a result of R&D and innovation
- Giving priority to R&D studies of products with high added value in export items
- Developing the University-Industry cooperation model and ensuring the continuity of cooperation
- Carrying out successful studies in newly developed projects in accordance with internationally accepted R&D standards, by providing the necessary support criteria
- Taking part in national and international supported projects,
- Developing product, process and manufacturing methods to meet the needs of group companies by carrying out joint projects with Selçuklu Holding



R&D and Innovation Studies



Material

Because of Almesan Alüminyum has two different continuous casting technologies, it has the advantage of responding to different demands of its customers by creating an alternative. Customer-specific alloy design and design of mechanical properties are carried out. For the first time in Turkey, the production of 6xxx series plates by continuous casting was carried out by Almesan Alüminyum.

Process

R&D studies are carried out on the production techniques and processes of the Almesan Alüminyum product range, which convert into products reaching the end consumer at the customers' facilities. Processes that will produce more efficient, environmental-friendly and low carbon footprints are among the priorities of Almesan Alüminyum. Joint studies are also carried out on alternative production techniques with customers. Alternative production and reuse of specific consumables used in production processes are other important process R&D studies.

Product

Special alloys take priority in terms of mechanical strength in the use of aluminum in the automotive, defense and aerospace sectors, which are gaining more importance today. R&D studies are carried out to design these alloys, to create production processes and to convert them into products requested by customers. By bracket parts and technical slugs made of 6xxx series alloys for the automotive industry, more than 50% operational advantage has been achieved in the process stages of customers' businesses.

Almesan Alüminyum

Sustainability Report 2021



Measurement and Evaluation

Almesan Alüminyum uses monitoring, measurement and evaluation methods in all its R&D and Innovation studies. The chemical composition is determined by the spectrometer device in the laboratory. Mechanical properties are determined with a multi-purpose tensile-compression tester and hardness tester. As a result of material studies, pre-sample studies are carried out in the prototype laboratory in order to measure the effect of correct conditioning and the performance of the final product.

Detailed analyzes are carried out by the microscope for the analysis of the behavior of the materials after each production process and the changes in the grain structures.



Almesan Alüminyum in the World



In the sales of Almesan Alüminyum, overseas markets have become effective. Almesan Alüminyum currently carries out its sales activities in connection with 175 customers in 31 countries on 4 continents. The regions where Almesan Alüminyum works intensively are given below. An average of 50% of its sales is realized as exports. Customers working in the domestic market are generally Turkish branches of foreign investments or businesses that sell directly to global supply chains.

Approximately 75% of Almesan Alüminyum's production meets the end-users in the global market.

European and American continent sales have been more prominent in the recent period.

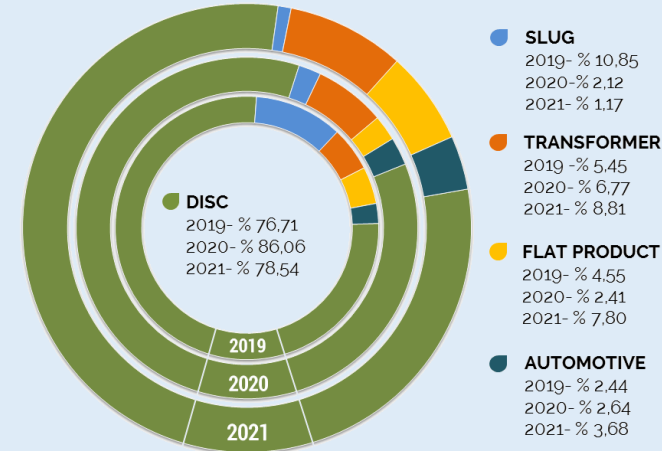
Italy, Spain, Portugal, United Kingdom, Germany, Switzerland, Finland, Greece and Azerbaijan in Europe

USA and Mexico in Americas

Egypt, Tunisia and Ghana in Africa

Saudi Arabia, Jordan and India in Asia are intensively busy markets today.

Sales Distribution and Sectors

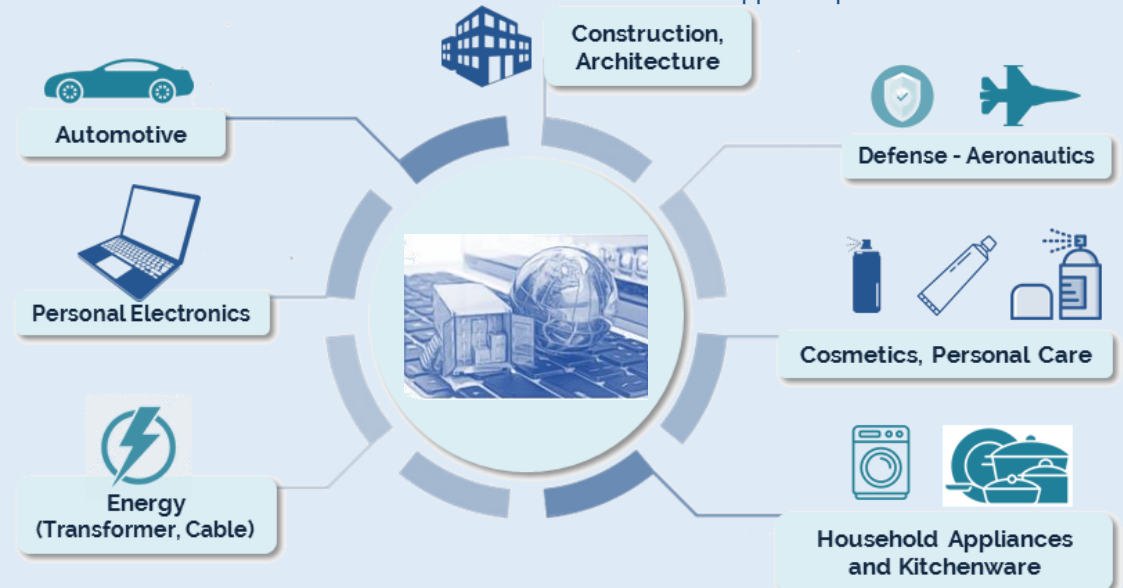


Almesan Aluminum has proven itself in the global market with its quality and diversity in disc products, and 80% of its sales are based on disc sales. For this reason, the most important sector is the kitchenware and household goods sector.

Flat product is a developing market and service and distribution centers abroad constitute the main customer group.

In energy sector, Almesan Alüminyum has become a preferred supplier, especially by meeting the specific demands of global transformer manufacturers.

The automotive sector is among the markets entered with the R&D and Innovation supported products of Almesan Alüminyum.



03 About Us
[GRI 102-1/-2/-4/-6/-45]

03.07 Customer Satisfaction
[GRI 102-6 | GRI 416-1/-2 | GRI 417-1/-2/-3]
[GRI 418-1 | GRI 103-1/-2/-3]

03.08 Social Accountability Activities
[GRI 102-12/-16 | GRI 103-1/-2/-3]



Brands

Almesan Alüminyum operates in all markets with the registered "Almesan" brand. "Verta" and "SMS" are other registered trademarks.

The packaging of the products is carried out according to the packaging and shipping conditions agreed with the customers. In order to ensure product safety, an internal control process is also applied in packaging processes.

Customer Health and Safety

Almesan Alüminyum does not include any production processes that threaten customer health, especially in the sales it has made to the kitchenware sector. The compliance of the products with the hygiene conditions is periodically verified by the independent laboratories through migration tests. Content tests that show that the products do not contain heavy metals are also shared with customers.

Almesan Alüminyum is also assessed with special audits as it is an indirect supplier of global retail chains. Inspections are carried out within the scope of good manufacturing practices (GMP). Particularly, product quality and safety, environment, occupational health and safety and social accountability specifications are subjected to periodic inspections by the retail chains' own auditors or by independent auditors.

Customer Privacy

Within the scope of ISO 27001 Information Security Management System, AEO specification and The Law of PPD*, Almesan Alüminyum has taken the necessary precautions to secure customer information within the framework of legal conditions and not to share it with third parties

*PPD: Protection of Personal Data

Customer Feedbacks

At Almesan Aluminum, customer satisfaction is measured for the automotive industry with the supplier evaluation scorecard sent by the customers. However, claim rates as ppm are another criterion for the automotive industry.

In other customer groups, customer feedback is collected through customer satisfaction surveys.

Customer Satisfaction	2018	2019	2020	2021
	%82,50	%85,00	%91,80	%89,00



Social Accountability Activities

Almesan Aluminum as a member of Selçuklu Holding carries out own social accountability activities by contributing to the social projects carried out by Holding, and the initiatives and activities it supports. It is possible to obtain detailed information about all of the projects and activities carried out in this regard from the web address below.

<https://www.selcukluholding.com.tr/en/social-responsibility/training>



Institutional Memeberships



- Istanbul Chamber of Commerce (ITO)
- Kocaeli Chamber of Commerce (KOTO)
- Kocaeli Chamber of Industry (KOSANO)
- Istanbul Minerals and Metals Exporters' Association (IMMIB)
- Istanbul Ferrous and Non-Ferrous Metals Exporters' Association (IDDMIB)
- Arslanbey Organized Industrial Zone

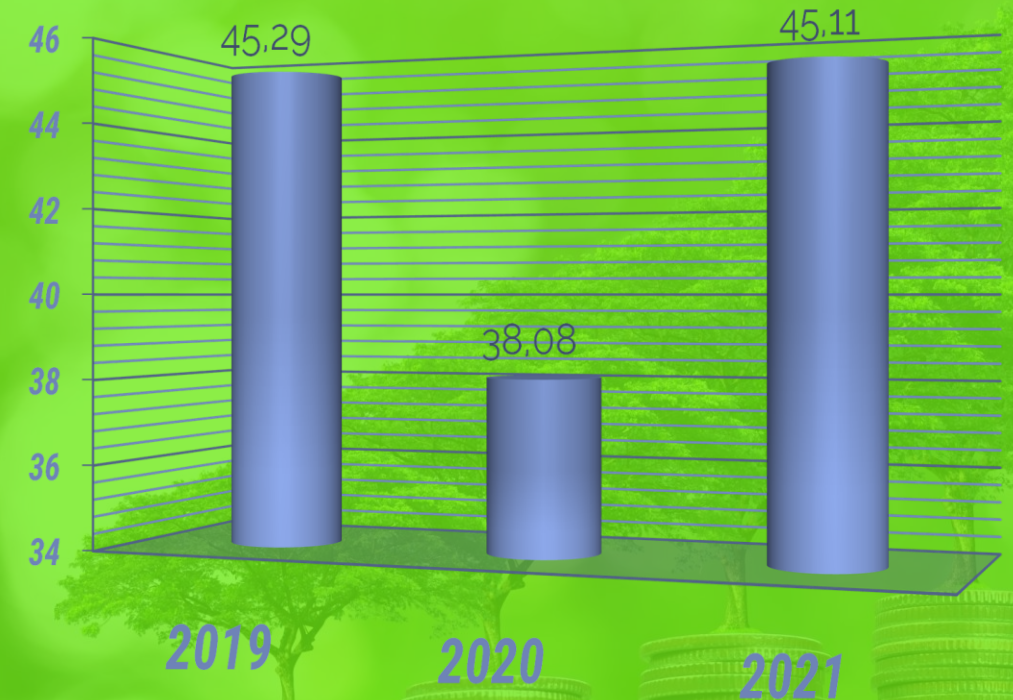
Memberships on Sectoral Associations

- Defense Aviation and Space Clustering Association (SAHA Istanbul)

Cooperations

- Cooperation with Selçuk University Advanced Technologies Center on **"Development of food-compatible polymeric materials in the kitchenware industry"**
- Technical cooperation with Fatih Sultan Mehmet Foundation University (FSMVU) ALUTEAM on **"Material and product development"**
- Presidency of Defense Industry of Rep.of Turkey **"Participation in the Industrial Competency Evaluation Program (EYDEP)"**
- **"Pilot implementing company related to vocational training and pilot practices"** together with Ministry of National Education of Republic of Türkiye and Kocaeli Governorship of Republic of Turkey
- Cooperation on **"Product and process development"** with the leading spare parts manufacturer in the global market
- Cooperation on **"Product development"** with the leading kitchenware manufacturer in the global market
- Cooperation on **"Product and material development"** with international retail chain.

Turnovers (Million USD / year)





The Board of Directors is the top level decision making body of Almesan Alüminyum. The information of top management of Almesan Alüminyum can be accessed from the link below.

<https://mths.ttr.com.tr/firmabelgeyuklenen.aspx?mersis=0055044133200018>

Our Corporate Values

Vision

To become a company that is on the track of continuous growth with the ability to combine traditional and global culture, by meeting the expectations of customers, employees and shareholders at the highest level and by making the highest contribution to all sectors, where aluminium is used.

Mission

To produce aluminum semi-finished and finished products in the optimum combination of quality, innovation and economy; to make production sustainable in terms of human, environment and energy resources by making productivity unseparable in all areas; to create a safer and more comfortable working environment for our employees; to contribute to a more livable and hopegiving world for future generations with a management approach that ensures the engagement of all stakeholders; to make the aluminium sector, as a member of it, more valuable by increasing its brand power with the performing activities.

Our Management Policy

Management model which has been created in order to achieve the goals in sustainability journey, of Almesan Alüminyum is based on proper planning and controlling.

The first and main goal is to be a reliable and respected company that strengthens its position in the market by ensuring the satisfaction of its customers while also ensuring the satisfaction of its stakeholders. In the challenging competitive conditions of the global market, Almesan Alüminyum always gives priority to staying at the optimum point in the satisfaction of its stakeholders.

Corporate quality for Almesan Alüminyum means product and service quality above expectations, product diversity based on innovation and R&D, a sustainable and developable management system infrastructure.

The most important parameters of this infrastructure are respect for people, respect for the environment, and efficient use of the right resources.

The respect for people is shaped by Almesan Aluminum ethical rules, a healthy and safe working environment, and the benefits generated for the society through social investments.

The importance and the contribution considered to education and training activities for the development of knowledge and skills is the first step for sustainability. Together with the importance to education and training, Almesan Alüminyum creates a motivating environment for its employees at all levels, creates an environment where employees can freely present their suggestions and encourages its employees in this regard.





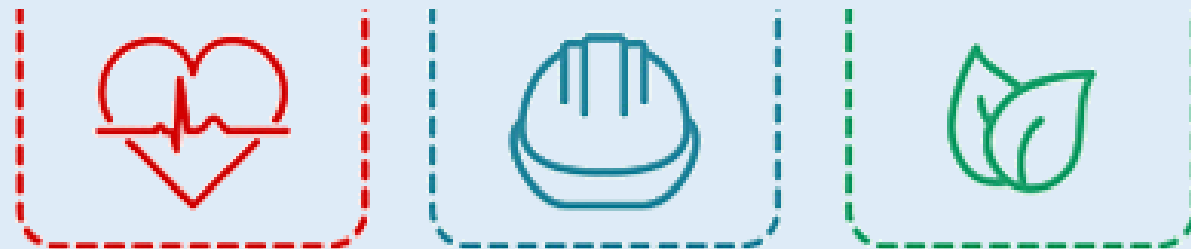
Occupational Health, Safety and Environment (HSE) Board

HSE Board; is the board that works on occupational health and safety, social accountability and environment and evaluates Almesan's OHS performance. The HSE Board, which consists of employee representatives, employer or employer's representative, workplace doctor, OH&S specialist, human resources and administrative affairs officials, meets once a month. In order for HSE Board members to perform their duties and authorities in a proper way, it is obligatory to receive the following trainings:

- National legislation and standards on occupational health and safety,
- Causes of frequent work accidents and dangerous cases,
- Basic principles of occupational hygiene,
- Communication techniques,
- Emergency case precautions,
- Occupational diseases,
- Workplace-based special risks
- Risk assessment



HSE Board; regularly evaluates the hazards and precautions regarding occupational health and safety within the factory, determines the precautions to be taken and measures the HSE performance. It plans occupational health and safety and environmental education and training, prepares programs related to this subject and rules. It monitors the implementation of these programs and provides feedback in case of deficiencies. It plans the necessary safety precautions in the maintenance and repair works to be carried out in the workplace and controls these precautions.



Energy Management Committee

Energy management committee; ensures the continuity and continuous improvement of the ISO 50001 Energy Management System, monitors and evaluates the energy performance. The energy management committee includes the R&D department, management systems, technical departments and employer representatives.

Functions of Energy management committee are given as follows;

- To follow up Almesan energy goals and targets,
- To plan activities to achieve energy goals and targets, to follow up and implement the planned activities,
- To ensure that the current works are carried out in accordance with the EnMS,
- To plan and periodically hold energy review meetings,
- To monitor and evaluate energy consumption and costs and to produce reports periodically,
- To follow up and update important energy usage areas,
- To analyze past and current energy consumption and to estimate upcoming year's consumption,
- To prepare specific energy consumption, the relationship between production and energy consumption, energy costs and improvement suggestions for them,
- To follow the performance indicators and compare them with the energy reference line,
- To determine and promote precautions and procedures for improving consumption habits and preventing over-waste, and to organize training programs when necessary,
- To monitor the efficiency of energy consuming equipment, to coordinate timely maintenance and calibration, Taking initiatives to ensure the supply and installation of meters and measuring devices needed to monitor energy consumption,
- To plan and participate in Energy Management System audits and to take necessary actions for the nonconformities determined.





Sustainability Committee

The activities of The Sustainability Committee are carried out through the leadership of the General Manager. The presentation and evaluation of the committee reports to the board of directors in specified periods is done by the General Manager. The Committee meets at least twice a year accordance with necessities.

The coordination of the committee is provided by the Deputy GM. There may be one, or more than one representative from several departments in connection with the working subjects in the committee. The committee includes people who will take charge in management systems, human resources and administrative affairs, energy management committee, occupational health and safety, environment, information security, efficiency and internal audit. It is possible for more than one subject to be executed by a single person.

The Role of Sustainability Committee is described as follows;

- To steer the studies and to develop projects in order to integrate sustainability into the company structure,
- To follow national and international developments on sustainability,
- To shape the sustainability strategy, targets, roadmaps and policies,
- To guide the sustainability strategy and policy of the company by pro-actively managing of social-, environmental- and corporate-oriented governance risks,
- To support the development of carbon footprint reducing projects in business processes within the scope of anti-climate change and to ensure their implementation,
- To follow the company's sustainability roadmap and developments in its practices, to set targets, to determine performance criteria in this direction, to monitor performance in line with targets and to ensure the active participation of all relevant divisions of the company,
- To authorize and coordinate the relevant persons within the scope of the studies,
- To review the sustainability policy, objectives, practices, working principles, and management systems regularly, to reorganize, execute, monitor and audit. To present them for the approval of the Board of Directors when necessary.
- To ensure that all employees are informed through the sustainability policy and targets, and to work towards the assimilation of these policies,
- To ensure the engagement for all stakeholders about the sustainability strategy, policy and practices,
- To ensure that the business outputs match with the sustainability policies and expectations.



Information Security Board

The Information Security Board is structured of each employee who represents each department within the scope, management representative and IT Official. The Board is responsible for detecting current or potential breaches in its departments, identifying possible information security risks, and initiating corrective and preventive actions when necessary.

Information Security Board has been formed to perform the purposes given below;

- To determine the departments to be included into the scope of ISMS,
- To be informed about the information security relevant activities.
- To take the suggestions and opinions of the departments and planning the necessary actions,
- To entitle information security as sustainable, to determine the deviation-caused situations and to make decisions to systematize the solutions.

The Board meets periodically and holds meetings on predetermined agenda items. It shares the outputs at management review meetings and also reports to top management.

06 Sustainability Management

[GRI 102-18/-19/-20/-21/-22/-30/-44/-47 | GRI 103-1/-2/-3]



Governance Structure

Almesan Alüminyum addressing different customer groups in the global market, has made the concept of sustainability a part of its corporate management together with the competitive conditions. The 2025 Sustainability Strategic Plan has been prepared by the sustainability committee.

The Sustainability Committee performs its activities under the leadership of the General Manager. The presentation and evaluation of the committee reports to the board of directors in specified periods is carried out by the General Manager.

The coordination of the committee is provided by the Deputy GM. There may be one or more than one representative from different departments in connection with the working subjects in the committee. The committee includes people who will take charge in management systems, human resources and administrative affairs, energy management committee, occupational health and safety, environment, information security, efficiency and internal audit. It is possible for more than one subject to be handled by a single person.

Our Sustainability Policy

The UN Global Compact fully coincide with the corporate values of Almesan Alüminyum, and the global compact gathered under the main headings of **human rights labor standards, environment and anti-corruption** are supported by Almesan Alüminyum.

On the basis of the UN Global Compact, we have identified the topics that we can contribute by integrating the UN Sustainable Development Goals and the EU Green Deal.

As a result of the mistakes made on a global scale and the lessons learned so far, we have adopted the principle of "Let's start from today for the next generations" in order to step into a better future, and on this basis, we have divided our sustainability policy into five main groups.



06 Sustainability Management

[GRI 102-18/-19/-20/-21/-22/-30/-44/-47 | GRI 103-1/-2/-3]



Stakeholder-oriented Sustainability



We adopt a sustainable approach together with our stakeholders by being always in communication and collaboration with them, -by hearing their voices, and -by caring their feedbacks.

Employee-oriented Sustainability



We target to become a company, -acting by the main principle "human is the first at all operations" , -providing healthy and safe working environment to its employees, -supporting the training and education for development of competency and performance, -ensuring equal opportunities to all employees as an anti-discrimination company and -catching continual employee satisfaction and loyalty

Environment-oriented Sustainability



We contribute environmental subjects inside of our main references by a sustainability approach - running all operations environmental friendly, -using natural sources rightly and efficiently, -planning and developing the processes by the target of lower carbon footprint.

Customer-oriented Sustainability



We present our products by producing in optimum cost accordance with competitive conditions of global market. We provide product quality and safety above the expectations of the customers together with on-time delivery performances. We target a sustainable market and customer satisfaction by generating common sense with our customers to innovative manufacturing techniques and products.

06 Sustainability Management

[GRI 102-18/-19/-20/-21/-22/-30/-44/-47 | GRI 103-1/-2/-3]



Future-oriented Sustainability



We are aware about our social accountabilities as a part of the society too. We support planning and performing social projects and contributions under the holding structure. We put contribution to the social and economical development of the society. We know the value of, knowledge and experience which are the most important competitiveness. We target to become an active part of information society by properly processed, safe and fit-to-purpose knowledge management. We do infrastructure investments for data to be managed in digital media. By considering environmental- and employee-friendly processes, We aim new products together with research, development and innovation and also to provide new employment. We cordially support a sustainable earth to deliver it as happy and habitable to the generations of Tomorrow whose we borrowed the Today

Our Sustainability Priorities

Our references while determining our sustainability priorities

- Selçuklu Holding corporate values
- Almesan Alüminyum corporate values
- Feedback and expectations of our stakeholders
- Holding and company strategies
- Market conditions and expectations
- Institutional and legal obligations
- EU Green Deal
- UN Global Compact
- UN Sustainable Development Goals

While determining the sustainability priorities of Almesan Alüminyum for 2021, the sustainability priorities determined for 2021 have also been linked to which SDGs have direct and indirect contributions.

The stakeholder analysis and feedback we prepared in 2021 played an important role in determining our priorities. The results of our sustainability survey, which was completed with the feedback of our representatives, customers and employees, which we determined by sampling method from Almesan Alüminyum's stakeholders, also contributed significantly to the determination of our priorities.

SASB's documents and suggested methods were used while creating our Materiality Matrix and determining the metrics.

Our sustainability priority topics are as follows:

1 Occupational Health and Safety | 2 Risk Management | **3 Energy Management** | 4 Waste Management | **5 Water Management** | 6 Anti-Discrimination and Equal Opportunity | **7 Green House Gases Emissions** | 8 Customer Satisfaction | **9 Product Quality and Safety** | 10 Anti-Bribery and Anti-Corruption | **11 Information Security Management** | 12 Biodiversity | **13 Procurement Management** | 14 R-D and Innovation | **15 Training and Competency Management** | 16 Communication with Stakeholders | **17 Employee Satisfaction** | **18 Social Accountability** | **19 Business Ethics and Transparency**

06 Sustainability Management

[GRI 102-18/-19/-20/-21/-22/-30/-44/-47 | GRI 103-1/-2/-3]



Almesan Alüminyum Sustainability Report 2021

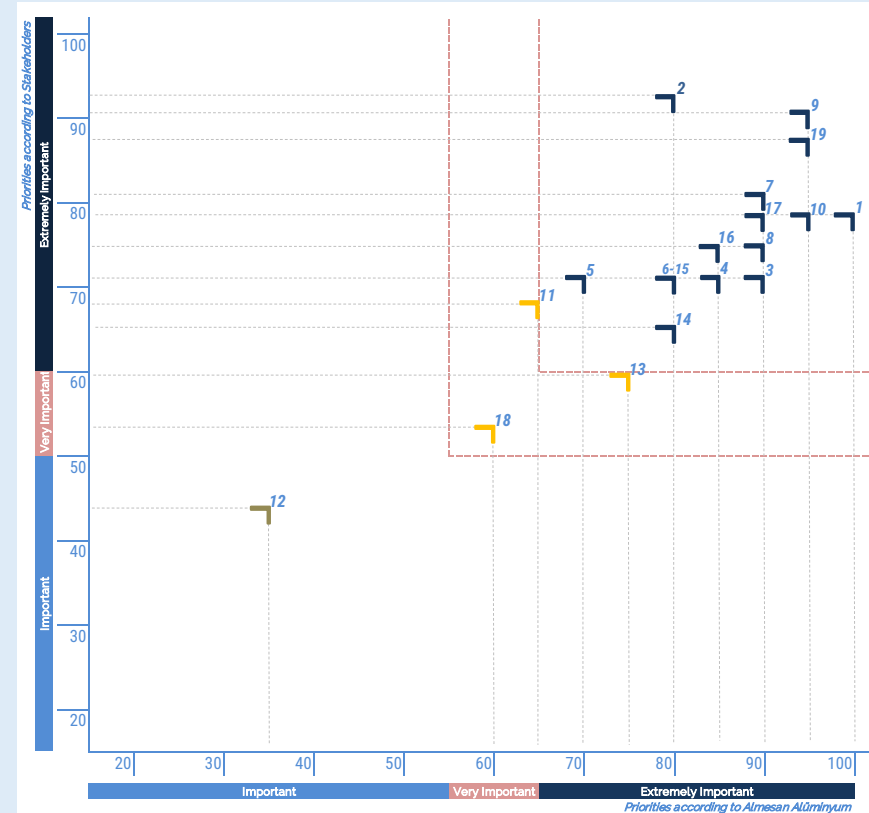


Coloring was used to define degrees of importance. It can be clearly seen in the Materiality Matrix. The SDG contribution and relationship table is below.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	●	●						●										
2								●	●			●						
3					●								●					
4												●	●					
5					●								●					
6			●							●								
7					●								●					
8								●				●						
9								●				●						
10															●			
11									●									
12												●						
13									●			●						
14				●			●	●	●			●	●					
15		●						●										
16														●		●		
17	●		●					●		●								
18																		●
19			●							●								

While preparing the Materiality Matrix, three classes were determined as **important**, **very important** and **extremely important**

While making the evaluations, in some cases, average values were taken over a score between 1 and 4. In some cases, a 100-point evaluation was used to make it clearer. The matrix was converted into a graph out of 100 full points by transforming other valuation criteria.



Evaluation ranges are defined below. The evaluations of the stakeholders were taken 5 points lower and their importance levels were increased.

	Important	Very Important	Extremely Important
Almesan Alüminyum Stakeholders	> 55	55 - 65	≤ 65
	> 50	50 - 60	≤ 60

07 Engagement of Stakeholders

[GRI 102-21/-40/-41/-42/-43/-44 | GRI 103-1/-2/-3]



1 Shareholders	
Stakeholding Relation Company income and balance sheet Company reputation and recognition Company capital structure Vision and mission Setter Investor and approval authority	Communication Method Social Media (continuous) Corporate Website (continuous) Annual Reports (monthly, annually) Financial Reports (periodic) General Assembly Meetings (periodic) Board of Directors Meetings (periodic) Exceptional Disclosures (instant)
Stakeholding Context Investments Contracts Financing Audit	Materiality References All articles of materiality matrix

2 Top Management	
Stakeholding Relation Authority and responsibility for the management of the company Laws and regulations Benefit for the company	Communication Method Social Media (continuous) Corporate Website (continuous) Meetings (continuous, periodic, instant) Status Announcements (instant) Annual Reports (monthly, annually) Projects (project-based follow-up) Cash Flow Reports (monthly) Financial Results Reports (monthly) Exceptional Disclosures (instant) General Assembly Meetings (periodic) Board of Directors Meetings (periodic)
Stakeholding Context Goals and Strategies Shareholder and Investor Decisions Technological Developments Corporate Culture, Values, Awareness Products, Processes and Services Supply Materials, Equipment and Services Financing, Collections, Cash Flow Information System and Software Plant and Equipment Market Share, Competition	Materiality References All articles of materiality matrix
3 Employees	
Stakeholding Relation Defined job and its place Laws and regulations Benefit for the company	Communication Method Social Media (continuous) Corporate Website (continuous) Internal Meetings (continuous, periodic, instant) Status Announcements (instant) Annual Reports (monthly, annually) Newsletters, Announcements (continuous, instant) Employee Satisfaction Surveys (annual) Trainings (continuous) Social accountability projects
Stakeholding Context Goals and Strategies Decisions Technological Developments Corporate Culture, Values, Awareness Information System and Software Plant and Equipment	Materiality References Anti-Discrimination and Equal Opportunity Anti-Bribery and Anti-Corruption Training and Competency Management Communication with Stakeholders Employee Satisfaction Business Ethics and Transparency
4 Unions	
Stakeholding Relation Laws and regulations	Communication Method Social Media (continuous) Corporate Website (continuous) Meetings (periodic, instant) Status Announcements (instant) Collective Bargaining (periodic)
Stakeholding Context Laws and regulations	Materiality References Anti-Discrimination and Equal Opportunity Anti-Bribery and Anti-Corruption Training and Competency Management Communication with Stakeholders Employee Satisfaction Business Ethics and Transparency

07 Engagement of Stakeholders

[GRI 102-21/-40/-41/-42/-43/-44 | GRI 103-1/-2/-3]



5 Customers

Stakeholding Relation

Direct and indirect buyers of manufactured products
Direct user or seller

Stakeholding Context

Technological Developments | **Legal Requirements and Standards** | Products, Processes and Services | **Financing** | Information System and Software | **Plant and Equipment** | Communication

Communication Method

Social Media (continuous) | **Corporate Website (continuous)** | Fair Participation (periodic) | **Status Announcements (instant)** | Customer Meetings (periodic, instant) | **Customer Surveys (continuous)** | Audits (instant, periodic) | **Exceptional Disclosures (instant)**

Materiality References

Risk Management | **Customer Satisfaction** | Product Quality and Safety | **Information Security Management** | Communication with Stakeholders | **Business Ethics and Transparency**

6 Suppliers

Stakeholding Relation

Product and Service Procurement

Stakeholding Context

Supply Material, Hardware, Service | **Contracts** | Financing | **Communication**

Communication Method

Social Media (continuous) | **Corporate Website (continuous)** | Supplier Meetings (periodic, instant) | **Status Announcements (instant)** | Supplier Audits and Evaluations (periodic) | **Initial Sample Studies (on a project basis)** | Receiving Inspection Reports (periodic)

Materiality References

Occupational Health and Safety | **Risk Management** | Anti-Discrimination and Equal Opportunity | **Waste Management** | Anti-Bribery and Anti-Corruption | **Product Quality and Safety** | Communication with Stakeholders | **Business Ethics and Transparency**

7 Selçuklu Holding

Stakeholding Relation

Parent Organization of The Group of Companies
Vision and mission Setter
Investor and approval authority

Stakeholding Context

Investments | **Contracts** | Financing | **Audit**

Communication Method

Social Media (continuous) | **Corporate Website (continuous)** | Annual Reports (monthly, annually) | **Financial Reports (periodic)** | General Assembly Meetings (periodic) | **Board of Directors Meetings (periodic)** | Exceptional Disclosures (instant)

Materiality References

All articles of materiality matrix

8 Selçuklu Holding Law Division

Stakeholding Relation

Legal proceedings
Laws and regulations

Stakeholding Context

Control and coordination of all contracts and legal transactions made by the company | **Labor Law** | Commercial Law | **Other laws and regulations**

Communication Method

Social Media (continuous) | **Corporate Website (continuous)** | Meetings (instant, periodic) | **Exceptional Disclosures (instant)**

Materiality References

Occupational Health and Safety | **Risk Management** | Anti-Discrimination and Equal Opportunity | **Product Quality and Safety** | Anti-Bribery and Anti-Corruption | **Information Security Management** | Communication with Stakeholders | **Business Ethics and Transparency**

9 Public Institutions

Stakeholding Relation

Laws and regulations

Stakeholding Context

Laws and regulations

Communication Method

Social Media (continuous) | **Corporate Website (continuous)** | Meetings (instant, periodic) | **Exceptional Disclosures (instant)** | Projects (project-based) | **Audits (instant, periodic)** | Mutual Visits

Materiality References

All articles of materiality matrix

10 Local Governments

11 Governance of Organized Industrial Zone

Stakeholding Relation

Laws and regulations

Stakeholding Context

Laws and regulations | **OIZ Joint Investments** | Joint Supply Agreements

Communication Method

Social Media (continuous) | **Corporate Website (continuous)** | Meetings (instant, periodic) | **Exceptional Disclosures (instant)** | Projects (project-based) | **Audits (instant, periodic)** | Mutual Visits

Materiality References

Occupational Health and Safety | **Risk Management** | Energy Management | **Waste Management** | Water Management | **Anti-Discrimination and Equal Opportunity** | Greenhouse Gas Emissions | **Anti-Bribery and Anti-Corruption** | Information Security Management | **Biodiversity** | Communication with Stakeholders | **Social Accountability** | Business Ethics and Transparency

07 Engagement of Stakeholders

[GRI 102-21/-40/-41/-42/-43/-44 | GRI 103-1/-2/-3]



12 Universities and Research Institutions

Stakeholding Relation Laws and regulations Training and Education Research	Communication Method Social Media (continuous) Corporate Website (continuous) Meetings (instant, periodic) Exceptional Disclosures (instant) Projects (project-based) Collaborative Studies Mutual Visits
Stakeholding Context R-D Projects Training and Education Project Management Project Development Test and Inspection	Materiality References Occupational Health and Safety Energy Management Waste Management Water Management Greenhouse Gas Emissions Product Quality and Safety R-D and Innovation Training and Competency Management

13 Financial Institutions

Stakeholding Relation Banking operations Loans Financial management	Communication Method Social Media (continuous) Corporate Website (continuous) Meetings (instant, periodic) Exceptional Disclosures (instant) Projects (project-based) Collaborative Studies Mutual Visits
Stakeholding Context Financing and agreements	Materiality References Risk Management Anti-Bribery and Anti-Corruption Information Security Management Procurement Management R&D and Innovation Business Ethics and Transparency

14 Sectoral Institutions

Stakeholding Relation Laws and regulations Membership agreements and registrations	Communication Method Social Media (continuous) Corporate Website (continuous) Meetings (instant, periodic) Exceptional Disclosures (instant) Projects (project-based) Audits (instant, periodic) Mutual Visits
Stakeholding Context Laws and regulations	Materiality References All articles of materiality matrix

15 Society

Stakeholding Relation Laws and regulations Common values Joint responsibilities Membership agreements and registrations
Stakeholding Context Legal and societal rules

16 Local Community

Stakeholding Relation Laws and regulations Common values Joint responsibilities Membership agreements and registrations
Stakeholding Context Legal and societal rules

17 NGOs

Communication Method Social Media (continuous) Corporate Website (continuous) Organizations (instant, periodic) Social Accountability Projects
Materiality References Anti-Discrimination and Equal Opportunity Anti-Bribery and Anti-Corruption Biodiversity Training and Competency Management Communication with Stakeholders Social Accountability Business Ethics and Transparency

18 Media

Stakeholding Relation Laws and regulations Common values Joint responsibilities	Communication Method Social Media (continuous) Corporate Website (continuous) Organizations (instant, periodic) Social Accountability Projects
Stakeholding Context Legal and societal rules	Materiality References Anti-Discrimination and Equal Opportunity Anti-Bribery and Anti-Corruption Communication with Stakeholders Social Accountability Business Ethics and Transparency

19 Environmental Consulting Company

Stakeholding Relation Laws and regulations
Stakeholding Context Waste Management and Disposal ^{15,20} Environmental Management ^{15,20} Health of Employee

20 Hazardous Goods Safety Consulting Company

Stakeholding Relation Laws and regulations
Stakeholding Context Waste Management and Disposal ^{15,20} Environmental Management ^{15,20} Health of Employee

21 Waste Disposal Company

Communication Method Social Media (continuous) Corporate Website (continuous) Legal Environmental Notices Activity Reports Waste Notices Hazardous Waste Notices Environmental Meetings Trainings Health Controls OH&S Board (monthly)
Materiality References Occupational Health and Safety Risk Management Waste Management Water Management Greenhouse Gases Emissions Information Security Management Biodiversity PCommunication with stakeholders Business Ethics and Transparency

22 Joint Health and Safety Unit

Communication Method Social Media (continuous) Corporate Website (continuous) Legal Environmental Notices Activity Reports Waste Notices Hazardous Waste Notices Environmental Meetings Trainings Health Controls OH&S Board (monthly)
Materiality References Occupational Health and Safety Risk Management Waste Management Water Management Greenhouse Gases Emissions Information Security Management Biodiversity PCommunication with stakeholders Business Ethics and Transparency

23 Auditing Organizations

Stakeholding Relation Management System Standards Technical Specifications, customer demands Laws and regulations
Stakeholding Context Audit, Supervision and Certification

Communication Method Social Media (continuous) Corporate Website (continuous) Supervision and Validation Audits System Audits Legal Audits
Materiality References All articles of materiality matrix



08 Business Ethics and Our Principles

[GRI 102-11 | GRI 205-1/-2/-3 | GRI 206-1 | GRI 207-1 | GRI 419-1 | GRI 103-1/-2/-3]



The business ethics approach at Almesan Alüminyum is based on globally accepted reliability, confidentiality, principled management understanding, morality and responsibility.

The business ethics approach at Almesan Alüminyum has been clearly and unequivocally demonstrated. It is aimed to protect the corporate image, to ensure compliance with the legal regulations, ethical and professional principles and universal rules regarding the fight against bribery and corruption.

Almesan Alüminyum's business ethics and rules also include companies from which consultancy, advocacy and similar support services are provided and their employees, companies from which outsourcing services are received (suppliers, subcontractors, etc.) and their employees, apart from their own employees.

Almesan Alüminyum has adopted the principle of complying with the laws and regulations regarding bribery and corruption, universal legal rules, ethical and professional principles in all countries where it operates and is represented. Within the scope of this principle, it acts with a "zero tolerance" approach against bribery and corruption and undertakes to continue its activities in a fair, honest and lawful manner.

Offering a payment or anything of value in order to obtain a legal and unethical benefit even in favor of Almesan Alüminyum, obtaining a similar benefit from other organizations and individuals, bribery or corruption even if such practices are common in the country or business line of operation, all kinds of legal and unethical behavior that can be considered as illegal is prohibited. The material value of the benefit that is the subject of bribery and corruption, or whether anything is done for the other party in return, is not important. In case the value of the interest is very low or the commitment given despite the offer has not been realized yet, it will be against the rules of business ethics and tolerance cannot be tolerated.

Training and awareness-raising programs are provided to employees and business partners about the legal requirements regarding the anti-bribery and anti-corruption program. Safe and accessible communication channels are provided where employees can report suspicious situations.

Any payment to facilitate or accelerate any work is prohibited. Employees should not tolerate or allow the other party to offer, promise, request, demand, give or accept this in their relations with third parties. It is not permitted to directly or indirectly offer, promise or give gifts, hospitality or any other benefit to foreign or domestic, government or public officials, unless the required approvals (specific or general for a certain level of gift/hospitality) are available.

Encountering or suspecting bribery and corruption

All Almesan Alüminyum employees are responsible for notifying their manager of any bribery and corruption-related or suspected situations without delay. For such cases;

- Offering a bribe to the employee or his/her colleague,
- Witnessed or known interest relations and conflicts of interest,
- Irregularities noticed in company records,
- Attitudes and behaviors such as favoring or providing benefits encountered in tenders and purchases,
- Providing benefits to any customer or supplier in violation of legal regulations,
- Forcing the employee or his colleagues to act contrary to the written texts of the business ethics rules of any institution or person from within or outside the company can be given as examples

Sanctions for deviant behavior and attitudes

In case of violation of the Almesan Aluminum Business Ethics Regulation and the Anti-Bribery and Anti-Corruption Policy, there are sanctions up to the termination of the employment contract according to the internal regulations, and more severe sanctions are applied depending on the situation of the contrary behavior.

Definitions

Bribery: In order to enable a person to perform an action contrary to the requirements of his duty or out of the ordinary course of business by means of doing, not doing, speeding up or slowing down a job, directly or indirectly, within the framework of a verbal or written agreement from the other party, material or moral benefit to himself or another person to be shown. means providing. Benefit that can be considered a bribe; It can be in many different forms such as cash, gift, event invitation or ticket, debt forgiveness, charitable donation.

Corruption: It refers to the misuse of the authority held due to the position, directly or indirectly, for personal financial or moral gain.

09 Procurement Management

[GRI 102-9/-10 | GRI 204-1 | GRI 308-1/-2 | GRI 407-1]
[GRI 408-1/-2 | GRI 409-1 | GRI 414-1/-2 | GRI 103-1/-2/-3]



In the evaluation of product and service suppliers of Almesan Alüminyum that are critically important for product quality and safety, environment-, energy-, OH & S- and social accountability-oriented impacts are also assessed together with the sustainability approach. A procurement management process has been established in order to determine and evaluate the selection criteria of suppliers and to keep their performance at the targeted level, and all procurement processes are carried out in the direction with this process.

It is ensured that all kinds of goods or services are procured at the right time and at the right quality, from suppliers whose performance is approved and reliable for Almesan Alüminyum, at reasonable prices and under payment terms. Environment, occupational health and safety, working life and compliance with ethical rules are included in the evaluation criteria according to their importance degrees.

Supplier Selection

After the bidding processes are completed, the bids are compared with the prices and payment methods previously paid for the same type of goods and services. The criteria for the selection and performance evaluation of suppliers are as follows.

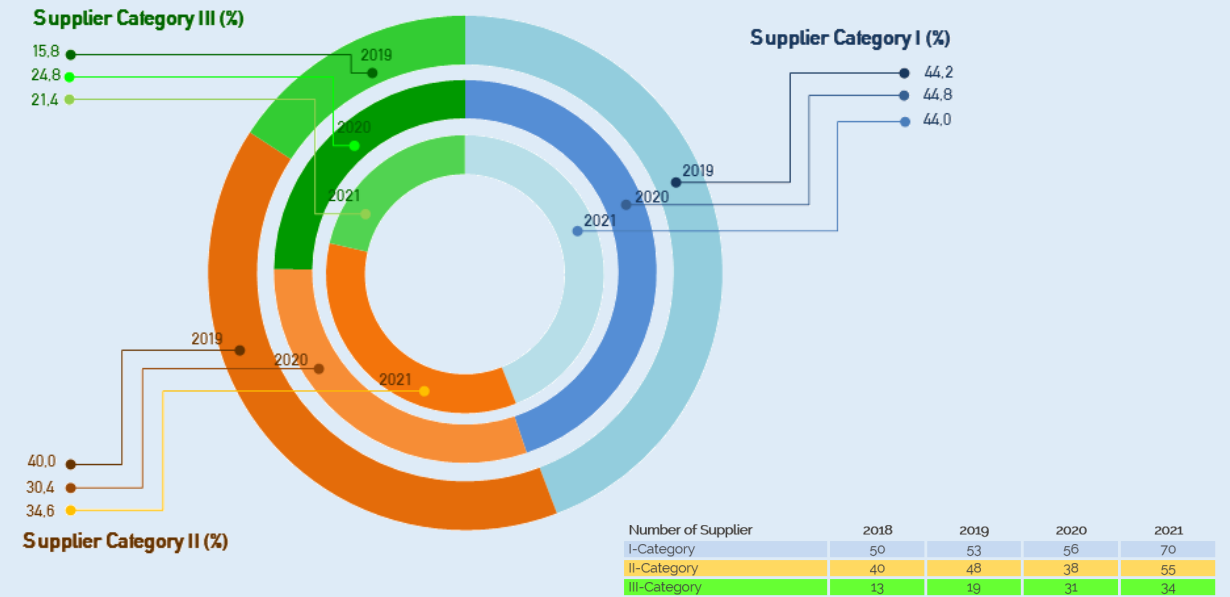
Company Structure	Economics	Technical	Environmental	Social
Reliability	Price	Product quality and safety	Environmental-friendly product and service	Occupational health and safety
Management system certificates	Payment Terms	Service Competency	Waste management	Working life
Authorization documents for Licensee, distributorship and agency etc.	Warranty period and scope	Logistics	Energy management	Ethics
References			Greenhouse Gases	
Adaptability to varying conditions and flexibility				

In 2021, The number of approved suppliers have been increased by 27% , by adding new suppliers with high scores from the evaluation criteria within the scope of supplier development efforts, as well as increasing the performance of existing suppliers. It is the preferred method in the evaluation of proficiency with pre-study or sample studies.

Almesan Alüminyum suppliers are divided into categories according to their level of impact on product and service quality. In this context, suppliers;

- Supplier Category I; It is a supplier group that directly affects product quality and safety.
- Supplier Category II; It is the supplier group that provides machinery, equipment and spare parts.
- Supplier Category III; It is the supplier group considered outside the first two categories.

Annual Supplier Distribution Based On Number of Suppliers and Categories (%)



09 Procurement Management

[GRI 102-9/-10 | GRI 204-1 | GRI 308-1/-2 | GRI 407-1]
 [GRI 408-1/-2 | GRI 409-1 | GRI 414-1/-2 | GRI 103-1/-2/-3]



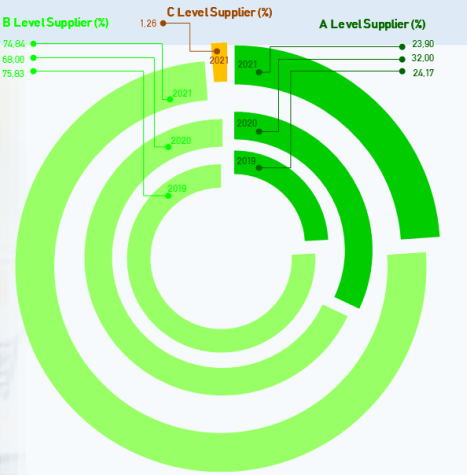
Evaluation of Supplier Performance

The materials and services that directly affect the product quality and safety of Almesan Alüminyum and that are included in the production should be obtained from both qualified and approved suppliers. Supplier performance evaluation is carried out within the framework of the rules defined in the Almesan Alüminyum management system. Suppliers are audited by Almesan Alüminyum supplier auditors regarding the management system, product quality and safety, delivery performance, environment and social responsibility, according to the category they belong to. The analysis of economic conditions and risks is carried out by the top management independently of these audits.

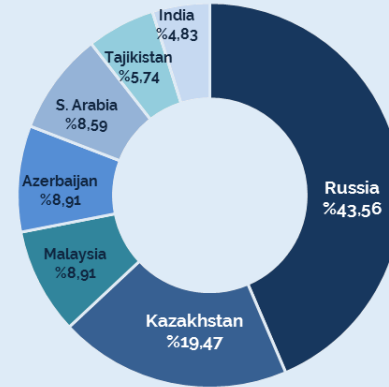
Our total number of suppliers in 2021 is 159, and as a result of the evaluations, no critical suppliers were determined due to environmental and social impacts. The rate of Category I Level A suppliers increased by 13.32% compared to the previous year.

Levels according to Supplier Performance Score (SPS)

Level A	SPS ≥85
Level B	70 ≤SPS <85
Level C	50 ≤SPS < 70
Level D	SPS < 50

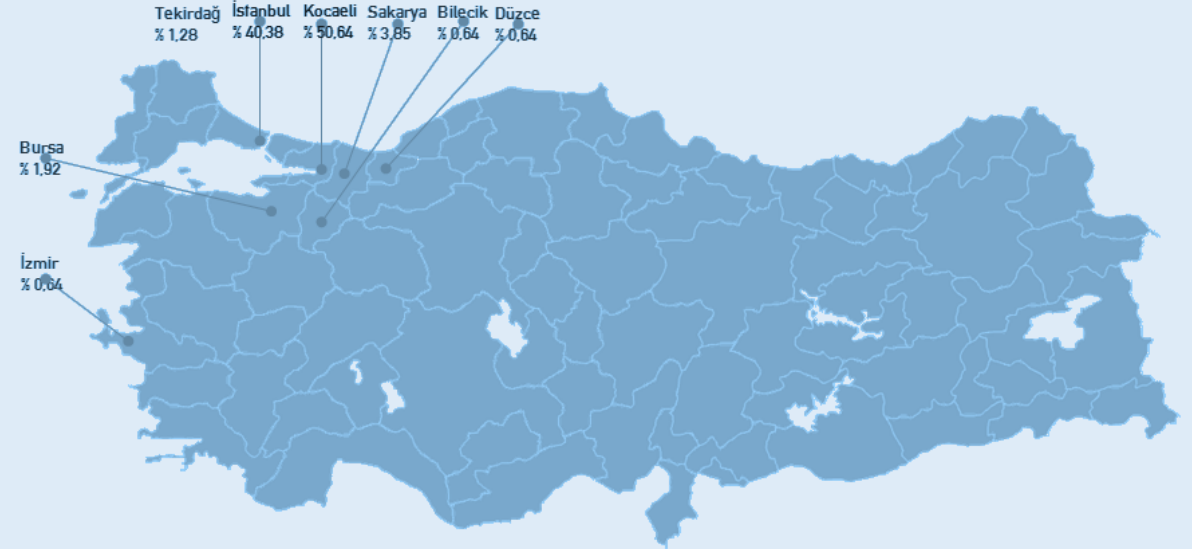


Supply Chain of Primary Aluminium



Local Procurement Chain

At Almesan Alüminyum, primary aluminum is procured from foreign sources. In the supply chain, excluding primary aluminum, primarily Kocaeli, the province where Almesan Alüminyum is located, and nearby locations around it are preferred. Except for primary aluminum, the coverage ratio of local resources in the supply chain is 99% on average. The resource rate used from Kocaeli as a specific region is over 50%. Special production materials are supplied from abroad (USA and Germany), and this equals to an average of 1% resource use.





Recruitment Process

New employment at Almesan Alüminyum is carried out in accordance with the Human Resources Policy. After the preliminary evaluation of the Human Resources Department, the applications are evaluated by the head of the relevant department and, if necessary, by the top management. Inappropriate applications are replied by the Human Resources Department. In all interviews, it is essential to protect the reputation of Almesan Alüminyum and to show the necessary respect to the other party.

All legal requirements are fulfilled for the people who terminate their working life at Almesan Alüminyum to prevent grievance in case of leaving their jobs. The reasons of quitting are analyzed and are considered as an input for the improvements to be made.

Compliance with legal requirements is essential in remuneration and working hours. All employees are employed with social security (SGK). Volunteering is essential in overtime. Performance evaluations and benchmarking studies with similar sectors are used as inputs in the wage increases and regulations of employees out of collective agreement.

Almesan Alüminyum Remuneration Policy for employees out of collective agreement is regulated and implemented within the framework of the management of wages and fringe benefits, fair, impartial, competitive, rewarding and motivating criteria that appreciate high performance.

Main Objectives of the Remuneration Policy are;

- Making remuneration by emphasizing the concepts of job size, performance, contribution to the job, knowledge-skills and competencies,
- Motivating and increasing the loyalty of employees by ensuring the wage balance within and between companies and competitiveness in the market,
- It is the inclusion of the appropriately qualified workforce that will enable the company to achieve its goals.

All elements of the wage are private and confidential. It is only within the knowledge of the employee her/himself, her/his managers and the Human Resources Department. It is essential that the employee pays maximum attention to the issue of confidentiality and does not share this information with third parties and other Almesan Alüminyum employees.



Employment Profile

Information about the Almesan Alüminyum Employment Profile is included in the performance indicators. Almesan Alüminyum has received motivating awards related to employment in different periods since the day its production activities started. Some of these are given below.

İşkur Kocaeli, Plaque of Appreciation dated 8th of March 2019 and 8th of March 2020 for Contribution to Women's Employment

İşkur Kocaeli Plaque of Appreciation Dated December 2016 for Contribution to Disabled Employment

Kocaeli Human Resources Employment Exhibition and Career Days Acknowledgment Plaque dated April 2019

Equal Opportunity and Anti-Discrimination

As stated in the Almesan Workplace Equal Opportunity Declaration;

“Almesan Alüminyum Sanayi ve Ticaret A.Ş. undertakes to comply with the Labor Law and other legal regulations determined by the Laws of the Republic of Türkiye. In Almesan, there is no evaluation criteria based on gender, creed, ethnic origin, etc. and there is no discrimination among employees. Almesan is committed to providing all its employees with equal opportunities to improve themselves in their work.”

Between the employees, there is no discrimination or exclusion due to any other condition that may cause discrimination or discrimination including gender, age, creed, race, social class, ancestry, social background, disability, ethnic and national origin, nationality, membership of trade unions or other legal organizations, political affiliations or opinions, sexual orientation, family responsibilities, marital status, illness. In particular, workers cannot be harassed or punished for the reasons mentioned above.

All employees are given equal rights and opportunities to develop and communicate. Performance evaluations are followed on an employee basis, and the reasons for performance declines are analyzed and these results are used as inputs in career planning.

Freedom of Association and Collective Bargaining

No action is taken against the organization of employees at Almesan Alüminyum. The collective bargaining agreement signed between Almesan Alüminyum and the Turkish Metal Union is decisive for the rights and responsibilities of the employees dependent on the collective agreement.

Child Labor

Child labor is not employed in Almesan Alüminyum and child labor is not supported. Personnel under the age of 15 are not recruited. During the recruitment, the official documents related to the personnel are examined by the HR and Administrative Affairs Department and the subject is guaranteed. In case of an application under the age of 15, the applicant is courteously informed by the Human Resources Department with reference to the labor law and Almesan Alüminyum employee policy to prevent any negative impact.

Child labor is not allowed in Almesan Alüminyum, and it is the basic rule that its suppliers meet the same conditions. Suppliers are subject to audits and investigations on child labor at regular intervals. Child labor is one of the most important factors affecting the audit results in terms of supplier selection and performance analysis.

Forced or Compulsory Labor

Job applications are on a voluntary basis. Bonded labor, forced labor, illegal employment, and involuntary employment are not applicable to Almesan Alüminyum.

If a migrant worker is taken, all laws are taken into account.

No employee may be subjected to physical punishment, pressure or verbal abuse.

Working and break times are adjusted according to legal requirements. Volunteering is essential in overtime. Paid annual leaves are also granted by law.

Legal requirements are also applied for pregnant employees on issues such as working hours, doctor checks, maternity leave.

All details, including their rights, responsibilities, working hours, wages and payment conditions, are explained to newly recruited employees and a contract is signed.

Seasonal workers are not employed at Almesan Alüminyum.



Employee Satisfaction

At Almesan Alüminyum, The feedbacks given by the employees has significant importance. Employees in this regard can convey all their suggestions through suggestion boxes. In addition, suggestions and improvement potentials are recorded on the basis of stations during the evaluation tours carried out in the field, and an action plan is created for the efficient ones.

Evaluation is made about the satisfaction of the employees by creating surveys that have been approved by the top management once a year. The main question titles in these surveys are as follows:

- Career development,
- Communication,
- Opportunity Equality,
- Leadership,
- Opportunity to learn and achieve,
- Recognition,
- Goal setting and performance evaluation,
- Training and development,
- Managing the organization,
- Employment conditions,
- Facilities and services provided to employees,
- Health and safety conditions,
- Job security,
- Wage and non-wage payments,
- Relationships with colleagues,
- Working environment

When the results from the 65-question survey were evaluated in December 2021, a satisfaction rate of 54.40% emerged. A minimum of 60% has been set as the target for 2022



Vocational Training Modules

Almesan Akademi-principlizing of "The most important resource for new markets, new customers, new targets is competent human resources" has been established by the aim of to train own trainers within its own structure, to train its employees through its own trainers, and to raise the competency level of employees.

It runs its business in three main areas as training, competence and performance development.

As Almesan Akademi, our goals are;

To ensure that Almesan employees acquire the information they will use in their business and daily life.
To be a guide for every employee of Almesan
To cooperate with institutions such as the Ministry of National Education, universities, vocational schools, vocational high schools, and vocational qualification institutions.

With our 'Learning Together Goal', it is aimed that each Almesan personnel (without white-blue collar discrimination) who have managerial responsibility, contribute to the personal development of at least one colleague in 1 year and have a share in increasing the level of competence. The foundations of the trainings prepared accordingly are as follows:

Technical trainings for professional knowledge and further specialization (for example, operatorship)
Training modules for the quality of each job and process
Training modules for the environmental and OHS rules of each job and process (including ergonomic working conditions)
Training modules for the energy efficiency of every job and process
Training modules for information management and data entry of every job and process

The following training modules have been prepared according to the training foundations:

- 1- Training of the Trainer
- 2- Aluminium Basic Training
- 3- Twin Band Casting Line Operator Program
- 4- Roller Casting Line Operator Program
- 5- Cold Rolling Lines Operator Program
- 6- Annealing and Heat Treatment Operator Program
- 7- Press Lines Operator Program
- 8- Plate Evaluation Lines Operator Program
- 9- Packaging Operator Program
- 10- Transport, Loading, Lifting Training
- 11- Crucible Casting Operator Program
- 12- Operational Quality and Laboratory Management



Orientation Trainings

Orientation training continues in a controlled manner in accordance with the pandemic conditions. It is obligatory for both the new personnel and the existing personnel to receive general and OHS training specific to their field of work, as well as orientation training. Trainings are repeated periodically.

Motivation Training

Motivation Trainings are carried out in order to increase the awareness of our employees about teamwork, to maximize synergy and efficiency, to ensure their success and target-oriented work, to positively affect working processes, and to gain leadership skills and self-confidence.

Emergency Trainings

Trainings are carried out according to the priorities included in the risk assessments of Almesan Alüminyum. At least once a year, drills and then training are carried out for each scenario.



Signing Ceremony of the "Vocational Education-Sector Cooperation" Protocol between Ministry of National Education of Rep. of Türkiye, Kocaeli Governorship Rep. of Türkiye and Almesan Alüminyum Sanayi ve Ticaret A.Ş., with the participation of Deputy Minister of National Education Mr. İbrahim Er, Governor of Kocaeli Mr. Hüseyin Aksoy and Chairman and General Manager of Almesan Alüminyum Mr. Mehmet Öncel.

All our trainings are held at Almesan Akademi Hall

During pandemic period, our emergency trainings are regularly held according to Covid 19 pandemic precautions.

Emergency and evacuation drill with the participation of our personnel. Then environmental education was carried out. (May 2021)



12 Occupational Health and Safety

[GRI 403-1/-2/-3/-4/-5/-6/-7/-8/-9/-10] | GRI 103-1/-2/-3]



The health and safety of our employees are among the highest priorities for Almesan adopting the principle of "human first and occupational safety first in all operations". We are precisely working to ensure a safe and healthy working environment in our business. We continue our work with an understanding that prioritizes the importance to occupational health and safety for everyone affected by our activities, including suppliers and subcontractors.

The basics of our OHS policies are as follows:

- In order to achieve the goal of zero work accident and occupational disease, risks will be determined and evaluated with the participation of employees, and these risks will be eliminated and/or reduced to an acceptable level.
- Together with our employees, our suppliers, relevant institutions and organizations and the public will be pioneered on Occupational Health and Safety issues.
- By preparing emergency plans, we will be prepared to protect the environment and environmental health, even in all kinds of emergencies, including natural disasters.

- All process data related to environment, occupational health and safety, energy efficiency, information security, social responsibility specified in the Almesan Management System together with the outputs of the quality management process will be considered as the factors determining investment decisions. While making new plant, production line, process or material usage decisions, their effects on all processes will be evaluated in advance.

- All activities of Almesan will comply with all relevant laws, legislation and regulations, especially the framework determined in the Constitution of the Republic of Türkiye.

Occupational Health and Safety (OHS) processes at Almesan are carried out by the OHS unit and the workplace doctor, by closely following the Occupational Health and Safety Law No. 6331 and legal regulations as well as the legal regulations applied in international standards.

Integrated Certifications Audit of 2021, covering ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 Standards, has been successfully completed at Istanbul and Kocaeli locations. We have been entitled to receive our new certificate within the scope of the ISO 45001:2018 standard superseded OHSAS 18001:2007 standard. By new ISO 45001 standard, articles of, management's leadership, management of risks and opportunities that will affect the management system, considering the expectations of employees and related parties, ensuring their participation and consultation, OHS risks of contractors and management of changes, take fore.

Risk assessments are carried out in accordance with the Occupational Health and Safety Risk Assessment Regulation, ISO 45001 and ISO 31000 requirements. The hazards of all activities in our company are determined and the risk levels of these hazards are determined and preventive/corrective action plans are prepared. Identified risks are shared with our employees to raise awareness. We enable our employees to report risks and take precautions with the Near Miss Form.

Ambientic measurements are made in order to evaluate the health risks in our business. Necessary precautions are taken through the measurement results and studies are carried out for a safer and healthier work environment. In order to protect the health of our employees, private health insurance was put into operation as of the end of 2020. Chronic patients, pregnant and lactating workers are followed and necessary precautions are taken during risky periods. We keep the higher awareness level in the point of health and safety connected with the health services provided by our workplace doctor.

Our OH & S performance is followed by the number of accidents, the number of occupational diseases, the number of work-related fatalities, absenteeism due to accidents and certain OHS rates. Our OHS performances are evaluated at monthly OHS and periodic management review meetings.

For the readiness to natural disasters and epidemics, the relevant procedures, action plans, instructions and risk analyzes are constantly updated to monitor and prevent risks.



Zero Accident Target

Almesan production activities are classified as dangerous work. In this direction, our company carries the safety of its working areas forward day by day and acts with the target of zero accident.

Almesan Alüminyum has not experienced any occupational disease or death related to work since the establishment.

As a result of the analyzes of occupational accidents, non-compliance with the work instructions, lack of training, operator errors, lack of communication and lack of experience come to the fore among the causes of accidents. With the improvements and awareness trainings carried out in the last 3 years, a 21% decrease in the injury rate and a 30% decrease in the total accident rate has been achieved since 2019.

OHS Trainings and Practices

Almesan supports its employees with the practice and training programs it has developed to increase awareness on OHS. We inform our employees about all risks through the Occupational Health and Safety Handbook, the Management Systems Handbook and the trainings organized.

Employees are given "Occupational Health and Safety Training" before starting work, taking into account issues such as lack of knowledge about the work they do or will do, insufficient existing knowledge, change of workplace or job, change of work equipment and new technology applications.

In the trainings, care is taken to select the subjects that the trainees need. The training given to the employees is selected from the following and similar topics;

- General occupational health and safety rules
- Information on legal legislation,
- Legal rights and responsibilities of employees,
- Establishing a safe environment and safe working principles in the workplace,
- Cleanliness and order,
- Thermal comfort conditions,

- Risks arising from chemical, physical and biological substances,
- Causes of work accidents and occupational diseases and risks in the workplace,
- Principles of prevention from work accident and occupational disease,
- Ergonomics and work psychology,
- Manual lifting and transport
- Flash, explosion, fire and fire protection,
- Safe use of work equipment,
- Working with screened equipment,
- Electrical hazards, risks and precautions,
- Use of personal protective equipment (PPE),
- Warning notices and signs,
- First aid, rescue etc.
- Harms and passive exposure of tobacco and tobacco products

Aiming to increase the level of knowledge and awareness on OHS in 2021, the training continued its activities remotely and face to face within the framework of the pandemic rules. Basic OHS trainings were moved to the online platform in 2021.

Organizations are held within the scope of the "Occupational Health and Safety Week" in the first week of May every year in our business. 'Good Suggestion Award Contests' are organized with the participation and support of our staff.

4-10 MAYIS İSG HAFTASI YARIŞMASI

DÜNYADA HER YIL 4-10 MAYIS TARİHLERİ ARASINDA KUTLANAN İŞ SAĞLIĞI VE GÜVENLİĞİ HAFTASI'NI KUTLAMAK VE ŞİRKET İÇERİSİNDE İSG KÜLTÜRÜNÜ GELİŞTİRMEK AMACIYLA **"DOĞRU DAVRANIŞA YÖNELME"** TEMASIYLA SİZLERDEN GELEN EN İYİ ÖNERİYİ DEĞERLENDİREREK KAZALARIN ÖNÜNENE GEÇMEYİ HEDEFLERİZ.

NOT: BİLDİĞİ ÜZERE KAZALARIN %88 İ DAVRANIŞ HATALARINDAN KAYNAKLANMAKTADIR. ÖNERİLERİNİZİ TEMAMISIN DIŞINA ÇIKMAYARAK "ALIŞILA GELMİŞ YANLIŞ DAVRANIŞLARIN DÜZELTİLMESİ İÇİN NELER YAPABİLİRİZ" DÜŞÜNÜNCESİ İLE PAYLAŞMANIZI RİCA EDERİZ.

ÖNERİ TESLİM TARİHLERİ: 03.05.2021 – 10.05.2021

İŞ GÜVENLİĞİ
BENİMİZE BAKALIM

İş Sağlığı ve Güvenliği Kurumuna Birlikte Çalışalım

İş Güvenliği ERTELENEMEZ



Our Emergency and Disaster Management

In order to prevent disasters and reduce their damage, disaster management at Almesan Alüminyum is continued as a multi-faceted and multi-disciplinary management process that is implemented effectively with the precautions to be taken before, during and after the disaster.

In disaster and emergency management, contemporary safety management practices and national and international safety norms are based on the Regulation on Emergencies in the Workplace, Emergency Management Procedure and Emergency Plan.

The practices and plans to be implemented against all extraordinary conditions and disasters such as fire, energy and water cuts, work accidents, earthquakes, floods, terrorism and sabotage were determined in advance, and team and equipment preparations were made according to these scenarios.

National and international standards are taken as reference in the trainings carried out to improve the emergency protection and response systems and to increase the competence of the teams.

Almesan conducts exercises in compliance with the relevant laws in order to strengthen its preparedness for disasters and emergencies. Fire, disaster plan and environmental spill drills are carried out in order to minimize the risks that may occur in emergency situations and to intervene. During the Covid-19 pandemic, the drills were held with minimal staff participation and taking necessary precautions. The performance of the exercises is evaluated and the actions determined after the meeting are followed up.

Covid 19 Pandemic

Almesan acts with the idea of creating a suitable environment for the health and workplace safety of employees as a prerequisite for ensuring continuity in production. Prioritizing keeping all its stakeholders healthy and safe, Almesan rapidly implements all precautions that will suit production the most efficient, healthy and uninterrupted during the pandemic period. While taking precautions to ensure uninterrupted production, firstly the health of its employees and workplace safety, it acts under the guidance and instructions of all competent authorities, especially the World Health Organization and the Ministry of Health.

In the shadow of the global pandemic that emerged at the beginning of 2020, it firstly took precautions to protect the health of its employees and business environment, and continued its continuous improvement and development efforts even under these conditions. In this context, by activating Business Continuity and Pandemic Plans within the scope of combat with Covid 19 pandemic;

- With the distancing policy, shift change has been implemented and worker exposure has been reduced. These studies have been successfully implemented like social distancing in services, distancing in the shift, social distancing in the dining hall, social distancing in locker rooms, and social distancing in common areas.
- By applying health surveys, risky or sick people are prevented from entering the workplace.
- The application of fever measurement and mask control at the entrances continues.
- Masks and disinfectants are distributed regularly.
- Protocols for entering the factory have been determined and disinfection cabinets have been implemented at the entrances.
- Daily disinfection of common areas is carried out and the frequency of applications has been increased.
- Remote working principles have been updated.
- Online education system has been introduced.
- Compulsory trainings are carried out in a controlled manner within the determined rules.
- Visitors are not accepted and meetings are held via online platforms.
- The knowledge and morale of the employee has been increased with continuous information and guidance.
- With the start of the vaccination application, 99% vaccination has been carried out. Precautions are continued with PCR application for 1% of the employees.

All precautions implemented throughout the Almesan are carried out to include suppliers and contractors. While reducing the business operations of suppliers and contractors when necessary to reduce the risk of contagion, we work together to minimize economic losses.

By the experiences acquired by Covid 19 pandemic, emergency plans and risk assessments have been updated, contingency and action plans have been prepared how to act in case of similar conditions.



13 Environment

[GRI 307-1 | GRI 103-1/-2/-3]



At Almesan Alüminyum, environmental management is evaluated by the top management with a risk and opportunity-oriented approach and risk management outputs. Almesan carries out this process throughout the strategies determined in accordance with the relevant legislations, taking into account its sustainability priorities.

As Almesan Alüminyum, we aim to evaluate our environmental impacts and risks and ensure sustainable resource use by applying environmental management system requirements in all our activities, together with the basic principle of "performing all activities by priorly considering the environmental protection" and "environmental-oriented sustainability" approach.

Almesan Alüminyum has a commitment:

- To fulfill all legal and other requirements in terms of environment,
- To reduce resource consumption by using energy properly and efficiently.
- To support recycling by reducing waste generation,
- To take precautions to reduce environmental pollution at source,
- To ensure continuous improvement of environmental performance,
- To ensure the engagement of all our stakeholders by informing all our employees, guests, suppliers and the public.

While setting environmental goals and objectives, the following criteria are considered: Significant environmental aspects, legal regulations, environmental operating costs, difficulties in recycling and waste management, awareness of possible environmental impact, clear risk determination of environmental impact.

The main areas of work of environmental management are climate change, water efficiency, reduction of waste, greenhouse gas emissions and all other environmental impacts, increasing environmental awareness among employees and society, protection and development of natural life.



13 Environment

[GRI 307-1 | GRI 103-1/-2/-3]



Almesan Alüminyum determines the life cycle approach of environmental aspects that can be controlled, affected and related to its activities, products and services by the scope of the environmental management process defined. In the management of these issues, internal and international standards are followed. In this way, all activities are implemented through processes in accordance with the ISO 14001 Environmental Management System Standard. While evaluating the management of environmental issues in a wide scope, our priority is to keep compliance with the relevant legal regulations and legislation.

A working group has been organized, in which the environmental effects of the processes are determined from a life-cycle perspective, and started its work. In the way of the Sustainable Development Goals, efforts are continued to manage the environmental impacts arising from operations with a holistic approach within the scope of Life Cycle Assessment (LCA).

Almesan Alüminyum closely follows the national and international agenda on climate change. In this context, Working groups, meetings, seminars and studies to climate change organized by relevant institutions, non-governmental organizations in the country and abroad, especially the Ministry of Environment and Urbanization of Rep. of Türkiye are followed.

In this context, the effects of current and future activities are defined and environmental aspects are evaluated on a process basis in Environmental Aspect Control Charts. Almesan Alüminyum has defined the necessary methods to determine the environmental impacts that it affects and can be kept under control as a result of its activities, and to prevent, mitigate or prevent its reoccurrence of its effects on the environment. Environmental dimensions are reviewed in case of changing activities and conditions, and environmental dimensions are redefined when necessary.



We handle the controls and audits of environmental management in all our facilities with an interdisciplinary approach, under the coordination of environmental engineers, from whom we receive consultancy services. We monitor the performance of the environmental management system through internal audits, management review meetings and environmental measurements, and when necessary, we ensure that corrective actions are implemented in accordance with the ISO 14001 requirements available at our production facilities.

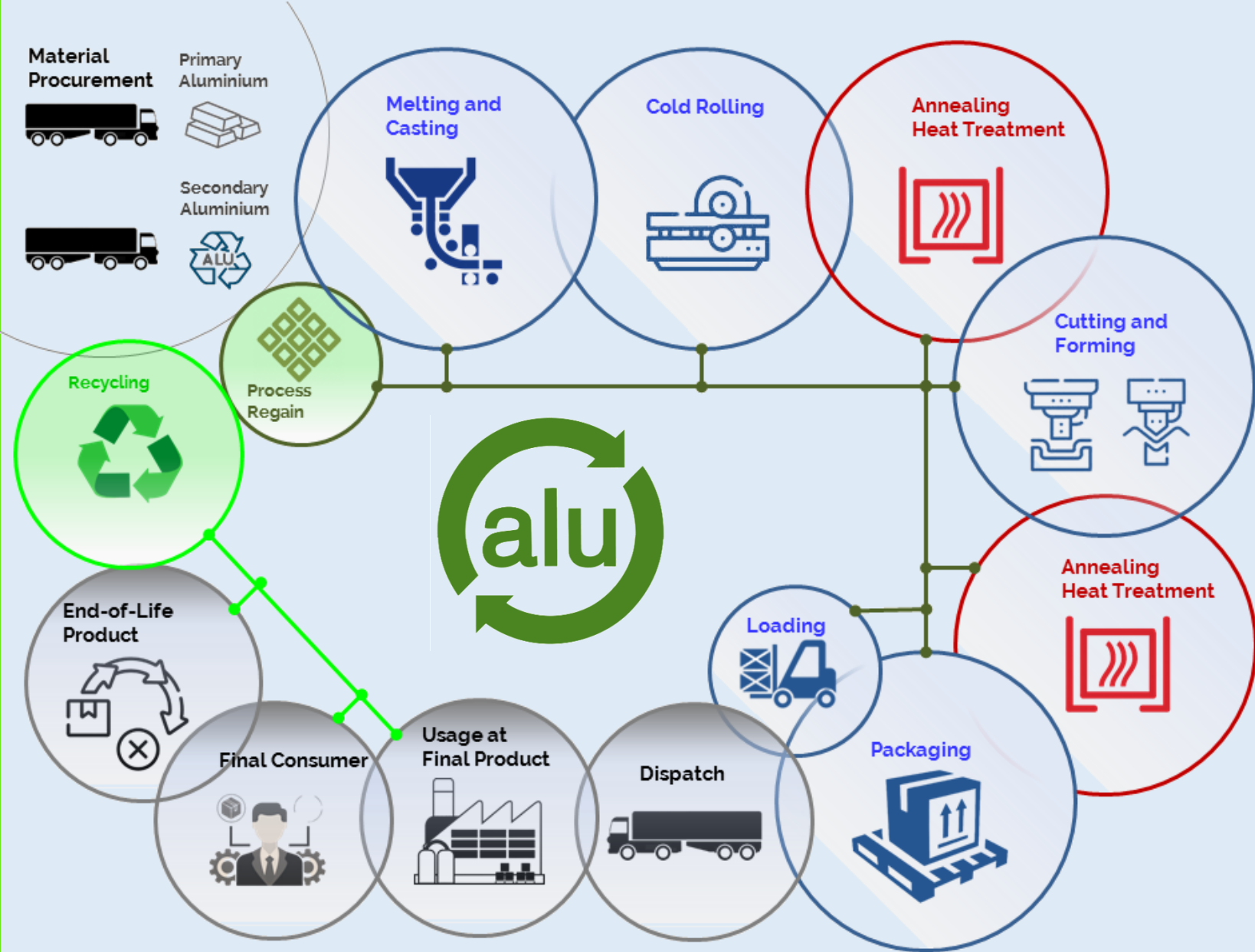
Possible emergencies in terms of environmental and OHS management processes at Almesan Alüminyum have been defined, necessary procedures have been established and implemented to ensure continuity.

Environmental management studies are audited throughout Almesan Alüminyum activities, and the performance data obtained is constantly monitored. Environmental performance, as well as internal audit studies, It is subject to the audit of the Ministry of Environment and Urbanization of Rep. of Türkiye and external audits carried out by authorized independent institutions. There was no non-compliance with environmental laws and regulations in 2021, and no legal sanctions or penalties were imposed on Almesan Alüminyum in this context.

We responsibly encourage environmental management processes in the eyes of all stakeholders, especially our employees, organize employee trainings in this direction, and increase awareness on environmental issues. In the upcoming period, we will continue our efforts to minimize our environmental impacts regarding our operations, to increase our performance and to raise awareness on this issue.

14 Material Management

[GRI 103-1/-2/-3]



15 Energy

[GRI 307-1 | GRI 103-1/-2/-3]



At Almesan Alüminyum, energy management is one of the priority issues along with the sustainability strategy. Considering the basic principle of "giving importance to energy efficiency and aiming at optimum use of resources", studies are carried out to effectively manage carbon emissions and energy consumption.

It is inevitable to increase efficiency in the use of energy resources and energy, to save energy and to establish an energy management system in order to use energy effectively, to prevent waste, to alleviate the burden of energy costs on the economy and to protect the environment.

Energy efficiency studies are the main tools used by Almesan Alüminyum for more efficient production and reduction of greenhouse gas emissions. In the management of these issues, national and internationally accepted regulations and institutional targets are followed.

The ISO 50001 Energy Management System audit, which is our target for 2021, was successfully carried out and the ISO 50001 Energy Management System certificate was brought to our company. Our energy monitoring, management and energy efficiency studies are carried out in accordance with the ISO 50001 Energy Management System Standard. Efficiency projects are planned and implemented by analyzing energy values with common calculation criteria determined in accordance with international standards.

By the Energy Management Committee, Energy management processes at Almesan are run out by Constitution of Rep. of Türkiye, Energy Efficiency Law No. 5627 and legal regulations as well as the legal regulations applied in international standards. The energy Assessment, which should be done every four years, was carried out in 2021.

The use of natural gas, diesel, LPG and other industrial gas in our facility is defined as the direct energy source within Scope 1. The use of diesel and gasoline used in-facility vehicles is also within Scope 1. Since electrical energy is supplied directly with common agreements of the OIZ (Organized Industrial Zone), it is not possible to make a direct purchase contract for renewable energy. Only calculation is made over the renewable energy coverage ratio in energy supply published by the Ministry of Energy and Natural Resources of Rep. of Türkiye and relevant official institutions.

Almesan Alüminyum aims to supply its electrical energy entirely from renewable energy sources in 2021 – 25. It will also use renewable energy supply certificates for carbon neutralization to fulfill its environmental responsibility for the non-renewable portion of the electricity used.

Our energy consumption and energy intensity, which are our performances in the field of energy management, are regularly monitored. Our energy performances are evaluated at the quarterly Energy Review and periodic Management Review meetings.





Energy Review Meetings

At Almesan, an energy review is conducted half-yearly by the Energy Management Committee. At the end of this review, the data to be submitted to the management review meeting are generated. In this way, measurable data is provided for decisions to be made by Almesan Top Management on energy use and energy efficiency. The energy review mainly includes:

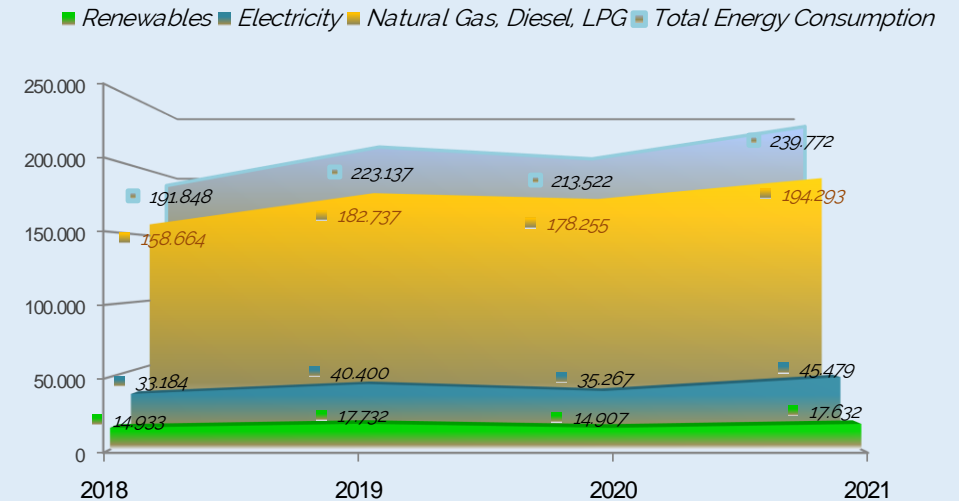
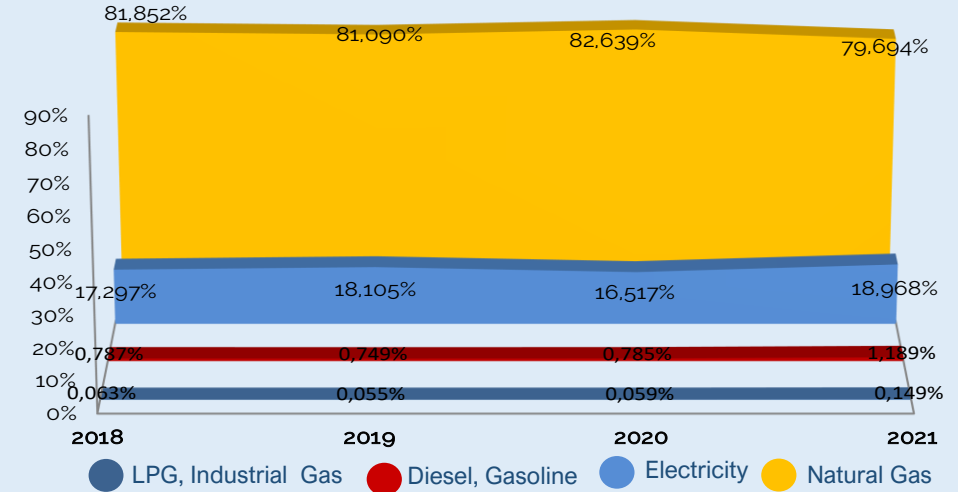
- Analysis of energy use and consumption by looking at measurement and other data, that is, defining the current types of energy, evaluating past and current energy uses and consumptions,
- Identification of Significant Energy Use (SEU) parameters based on the analyses,
- Identification of relevant variables for each SEU, determination of current energy performance, identification of persons working under their control who affect or change the SEU,
- Identifying opportunities and priorities for improving energy performance,
- Predictions about future energy uses and energy consumption.

energy review; It is updated at certain intervals in addition to what will be done in case of major changes in facilities, equipment, systems or energy-using processes.

Energy Consumption

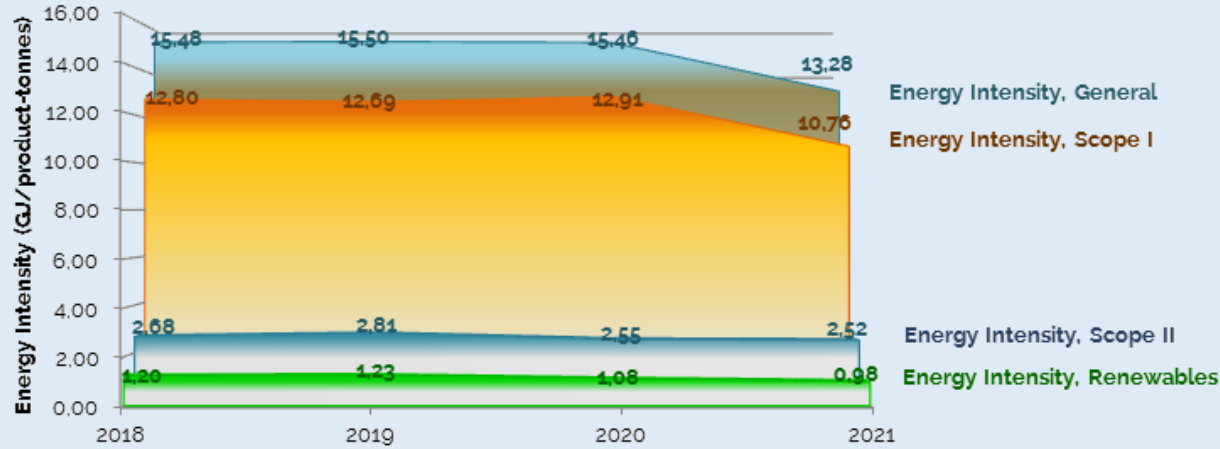
		2018	2019	2020	2021
Electricity	GJ/year	33.183,92	40.399,92	35.267,22	45.479,12
Ratio of Renewables	%	45,00	43,89	42,27	38,77
Natural Gas Consumption	GJ/year	157.031,77	180.941,87	176.453,23	191.085,13
Diesel, Gasoline Consumption	GJ/year	1.510,60	1.671,91	1.676,32	2.850,79
Industrial Gas Consumption	GJ/year	121,31	122,90	124,95	357,13
Direct Energy Consumption	GJ/year	158.663,68	182.736,68	178.254,50	194.293,05
Indirect Energy Consumption	GJ/year	33.183,92	40.399,92	35.267,22	45.479,12
Total Energy Consumption	GJ/year	191.847,60	223.136,59	213.521,72	239.772,17

Utilization of Energy Sources (% - GigaJoule)





Specific Energy Consumption [Energy Intensity]



RES: Renewable Energy Sources or renewables, this rate is calculated over the percentage of renewable resources in energy production published by the Ministry.

Scope 1: Includes data on natural gas, diesel, industrial gas and fuels used in-facility vehicles as direct energy consumption.

Scope 2: Includes electricity consumption data as indirect energy consumption.

SEC: Specific Energy Consumption or Energy Intensity, energy consumption per unit of production or operation

Energy Efficiency Studies



Energy Type: Electricity
Saving: 438.177 kWh
CO2 Reduction: 243,19 ton/year
Execution Plan: 2021-22

Fixing of Compressed Air Leakages and Preventive Actions

Ekosmart Enerji works as a consultant firm within the scope of energy efficiency studies. In this term, it was priorly decided to start a project regarding the inefficient operation of compressors due to leaks in air lines and high energy saving potential. First of all, the consultant firm determined the points with air leakage by air leak detecting device and presented it to us as a report. As Almesan, urgent action has been taken to eliminate air leaks at these points, and air leaks of 52 points reported, have been entirely eliminated. In addition, leaks may occur at different points in the lines of the facility.. For this reason, it has been decided as a preventive activity to detect leaks by outsourcing services in six-month periods.

15 Energy

[GRI 307-1 | GRI 103-1/-2/-3]



Energy Type: Electricity
Saving: 268.495 kWh
CO2 Reduction: 149,26 ton/year
Execution Plan: 2021

Optimization of Compressor Operating System

It was determined that one of the compressors was operating inefficiently during the detailed energy assessment studies realized by the consultant firm. The reason for this inefficiency is the improper duty-selection of the compressors. For this reason, 268,945 kWh of electricity was saved annually by changing the dutiness of the compressor with driver and the compressor without driver.



Energy Type: Electricity
Saving: 270.816 kWh
CO2 Reduction: 150,30 ton/year
Execution Plan: 2023 -24

Compressor Renewal and Placement of Ventilation and Dust Collection Units in the Compressor Room

Two units of 75 kW compressors will be used instead of three units of 55 kW compressors in Compressor Room 1. One 55 kW will be left as substitute machine here. Two compressors of 55 kW will be the substitutes of 90 kW. Compressors are run at full load capacity without any backup. In case of any malfunction, the production will not have a chance to continue.

In addition, the filters of the compressors are constantly clogged due to the dust in the external environment, and the environment needs to be cooled because the compressors heat up due to their full load operation. The addition of this action to the agenda, together with the renewal of the compressors, will be much more efficient. This project will be evaluated and realized within the scope of **Efficiency Booster Projects**.



Energy Type: Natural Gas
Saving: 1.216.657 kWh
CO2 Reduction: 284,70 ton/year
Execution Plan: 2021 -22

Burner Optimization in All Furnaces

According to the measurements and controls done in the energy assessment report, inefficient combustion was detected primarily in Annealing Furnace-1, Melting Furnace-1 and On-Hold Furnace-1. The reason for this inefficient combustion was that the oxygen gas settings were not correct, and it was reported to us by the consultant firm. First of all, burner adjustments will be made in all melting, on-hold and annealing furnaces, and efficient combustion will be ensured and energy savings will be achieved. This project will be carried out within the company.



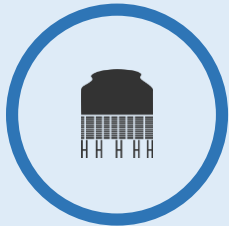
Energy Type: Natural Gas

Revision of Melting Furnaces by Increasing Efficiency

In addition to the burner adjustments in melting furnaces, studies are carried out within our company in order to increase the efficiency even more. Within the scope of these studies, improvement of damper system, insulation deficiencies, renewal of burner-stack systems, regenerative combustion system will be made in furnaces. This project will be carried out within the scope of **Efficiency Booster Projects**.

15 Energy

[GRI 307-1 | GRI 103-1/-2/-3]



Energy Type: *Natural Gas* **Revision of Cooling Towers**

Saving: *309.512 kWh*

CO2 Reduction: *171,78 ton/year*

Execution Plan: *2023-24*

It has been decided to carry out the project on the inefficiency of the cooling towers, which was determined and reported by the consultant firm in the energy assessment report. Within the scope of this study, replacing the pump group A and B that belong to Cooling tower 2 and Pump Group 2 with a pump group with higher system efficiency; replacing the pump A that belongs to Cooling tower 2 and Pump Group 1, with a pump with higher system efficiency; replacing of the pump A that belongs to the Tower Pumps of Cooling tower 1 with a pump with higher system efficiency, and the replacing of the pump group A and B that belong to the Reservoir Pumps with a pump group with a higher system efficiency will be performed. This project will be carried out within the scope of **Efficiency Booster Projects**.



Energy Type: *Electricity* **Utilization of Solar Panels**

Saving: *4.872.150 kWh* **on Roofs**

CO2 Reduction: *2.704,15 ton/year*

Execution Plan: *2024-25*

With this project, solar panels will be installed on the roofs of the facility and it is aimed to meet the majority of the electricity need from these panels. During the negotiations with the energy efficiency consultant firm about the financial modeling, it was learned that the project could be done with the ESCO model, and detailed research was carried out. Our company aims to increase the importance it attaches to the concept of green energy by installing solar panels and producing electricity with renewable energy as soon as possible.



Energy Type: *Natural Gas, Electricity* **Energy Efficiency Monitoring and Measurement System**

All work to be done within the scope of energy efficiency will be sustainable and meticulously followed by our company. For this purpose, studies will be initiated to monitor the savings achieved, to detect new savings models, and to monitor the consumption remotely in order to detect when there is an unplanned consumption. This project will be carried out primarily for electricity consumption and then for natural gas consumption. Accordingly, weekly and monthly reports will be made and consumptions will be evaluated together with the energy committee.



16 Water Management

[GRI 303-1/-2/-3/-4/-5 | GRI 103-1/-2/-3]



Almesan Alüminyum Sustainability Report 2021



We are aware of the absolute importance of water in every aspect of our lives. We work for continuous improvement of water management and sustainable water use. In order to manage water use, we provide our employees and all our stakeholders with the necessary training and encourage them to work consciously on this issue. The units that consume the least and the most water in our business are the same for us; We do not waste a single drop of water. We support effective water policy and management.



We are aware...



Protection and management of biodiversity has an important place among our sustainability vision, strategic goals and environmental protection activities.

We have adopted the relationship between biodiversity and sustainable development with our production approach that examines the effects of our activities on biodiversity, takes precautions and targets the principle of existing without harming the environment.

We consider about green and the life of all creatures with our understanding of waste management and environmentally friendly production.

Almesan Aluminum shapes all its policies in this context by being aware of the fact that biodiversity mostly affects human life.

18 Greenhouse Gases Emissions

[GRI 305-1/-2/-3/-4/-5/-6/-7 | GRI 103-1/-2/-3]



As a result of the rapid population growth in the world, the need for excessive consumption and the increase in production to meet this need pose a great threat to our natural resources in the future. One of the reasons for this threat is population growth, as well as the impact of climate change. It is inevitable that natural disasters will increase as droughts will increase with climate changes.

For this reason, our responsibilities towards the environment take importance and form the basis of sustainable life. Within the scope of efforts against climate change, Almesan Alüminyum has focused on reducing the energy consumption of its activities, increasing energy efficiency, reducing energy intensity, increasing the use of energy sources obtained from renewable energy sources and has started its studies for this.

The use of energies such as electricity produced from fossil fuels, especially fossil fuels (petroleum, natural gas, etc.) we use in our daily lives, releases CO₂ to the nature and causes the ozone layer to become thinner with the increase in CO₂ intensity in the atmosphere. These fossil fuels, which are used in daily life, are much more used in industry, but their impact on the environment is increasing day by day.

In order to prevent such reasons, the European Union took a decision and put the Green Deal project into effect. Accordingly, it is desired to reduce greenhouse gas emissions to zero by 2050. It develops proposals for enacting a number of laws such as carbon pricing and carbon border adjustment mechanism (CBAM) in order to implement this project in other countries' industries.

Almesan Alüminyum proceeds with its investments in Turkey by taking environmental legislation into account. By closely following the developments in the carbon emission law, it works for the future and makes scenario studies against possible changes in the carbon emission law. It analyzes the new opportunities that may arise as a result of these changes.

Greenhouse gas emission calculations within Almesan Alüminyum hold Kocaeli Kartepe Almesan 1 and Almesan 3 facilities.

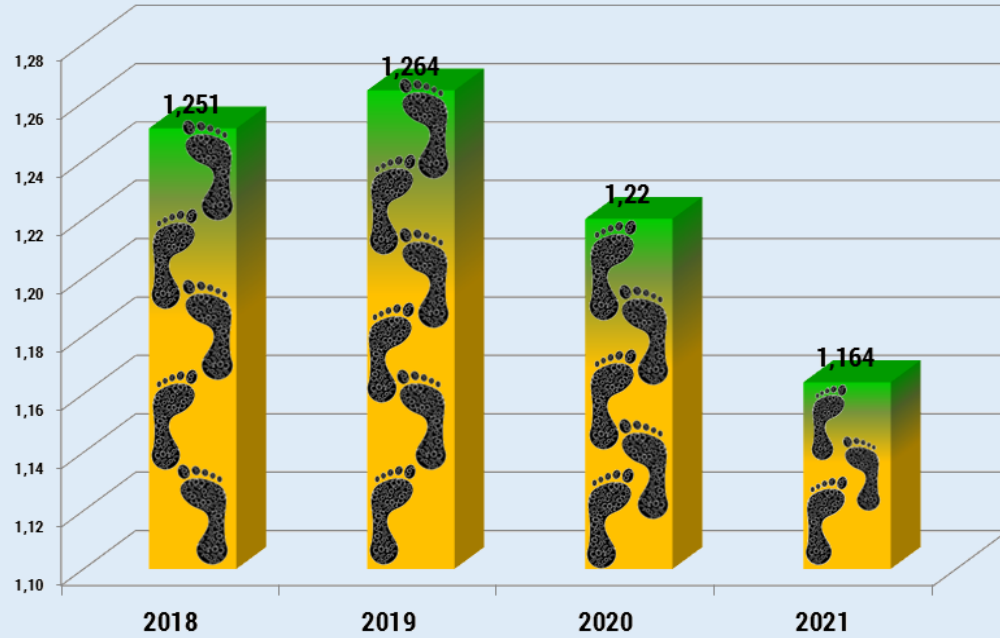
In the greenhouse gas emission calculations of 2021 within the structure of Almesan Alüminyum; natural gas, diesel and other industrial gases are evaluated in Scope-1 status and electricity consumption is evaluated in Scope-2 status.

18 Greenhouse Gases Emissions

[GRI 305-1/-2/-3/-4/-5/-6/-7 | GRI 103-1/-2/-3]



Operational Carbon Footprint per final product between 2018 - 2021 (CO2 equivalent-ton/pack-ton)



[These values do not include the embodied CO2 of raw material. Scope 1, Scope 2 and fuels used for company vehicles are included when calculating CO2 values.]

Greenhouse gas emissions are calculated as CO₂ equivalent, and it is seen that the CO₂ equivalent that emerged in 2021 decreased in 2018 – 2021. The reason for the increase in 2019 is the commissioning of the new production line and the trial production in the meantime. The number defined as 1,164 CO₂-ton/pack-ton In 2021 can be considered as 0,72 CO₂-ton/pack-ton by the neutralizing of Scope 2 consumptions together with I-REC and equal approved certificates support. In the period of 2021-25, It is aimed to reduce 22,5 % of operational carbon footprint.





Almesan Alüminyum Action Plan For Carbon Footprint Reduction (2021-25)



Reduction of Energy intensity per production unit by Energy efficiency projects and reduction of carbon footprint with it.

Almesan Alüminyum, certified accordance with the scope ISO 50001 Standard, has prioritized improvements, efficiency booster projects and common-gain investment projects for a more efficient energy use.



Providing of the reduction of process-sourced scraps by innovative approaches

Reduction of the waste during production



Preference of low-carbon recycled materials under the condition that it meets product quality and safety



Inclusion of low-carbon primary materials to supply chain



Reduction of carbon footprint in social accountability way, by setting projects for the collection and regain of end-of-life aluminium products



Afforestation

Our company, which is aware of its responsibility towards the environment in carbon reduction, has started to work to reduce the amount of carbon in the atmosphere by planting trees mentioned in scientific research, and plans to fulfill its responsibilities by making use of the empty spaces suitable for planting trees in the factory in the first place. In the second stage, it aims to plant a memorial forest by purchasing or renting vacant lands or by making an agreement with the government.



Trainings and Events for Awareness Raising

In order to leave a more livable world to future generations, our company aims to raise awareness by providing trainings to its own personnel.



Increasing of the Renewables Usage and Carbon Offset with Green Energy Certificates.

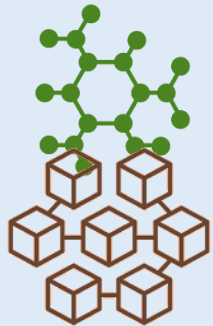


ECO2ALL Project (Ecologic & Economic Alloys) **Kitchenware Made of 100% Recycled Alloys**



Academic Collaboration

We collaborate Material Science Engineering Departments of Leading Universities of Türkiye to develop the alloy series targeted.



R&D

Design of material and alloy, design of proper production process to achieve the suitable technical properties, determination of product ranges and capabilities, testing and verification are performed at Almesan İVME.



Independent Audit

As a result of cooperation with internationally recognized and high prestigious technical audit firms, all steps starting from supply chain to end user shall be audited and validated based on product quality, traceability, recycling ratio, energy usage and carbon footprint.

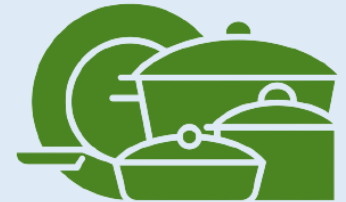
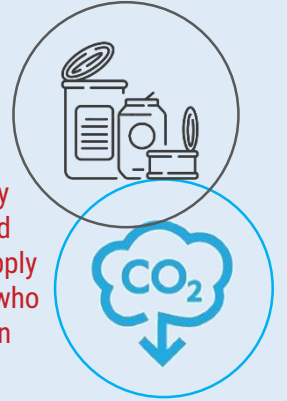


Compatibility with End Product

We test and evaluate short- and long-term performances of end-products in the form of kitchenware goods, produced from ECO2ALL discs with 100% recycled and lower carbon footprint.

Supplier and Supply Chain Development Program

For a continual product quality and a continual supply chain together with effective energy consumption and lower carbon footprint; we work for a sustainable supply chain by raising awareness of appropriate suppliers who are able to produce targeted quality recycled ingots in Türkiye.



19 Waste Management

[GRI 306-1/-2/-3/-4/-5 | GRI 103-1/-2/-3]



In the scope of Environmental Policy, while Almesan Alüminyum develops products, projects and methods to reduce the use of natural resources; It also conducts efforts to ensure the separation, reduction and recycling of wastes at the source. Non-recyclable or non-recoverable wastes are disposed by licensed companies in accordance with the relevant regulations.

Almesan waste management processes are managed as fully compatible to ISO 14001: 2015 Environmental Management System, Waste Management Procedure and Waste Control Regulation. Our Waste Management policy at a glance,

To contribute to the protection of natural resources and to consume less by increasing their recovery rates.

To prevent the wastes at source or to obtain the minimum possible level.

Our company has Industrial Waste Management Plans and temporary storage permits approved by the Provincial Directorate of Environment and Urbanization. Recyclable wastes generated as a result of production and usage activities are disposed by sending to licensed companies accredited by the Ministry of Environment and Urbanization of Rep. of Turkey. Data on waste management are regularly submitted to the Ministry and reported at database of the ministry every year.

Our company also organizes the ISO 14001 Environmental Management System trainings, in addition to the environmental awareness trainings given to the employees. Annual Environmental Management System audits are carried out. Almesan Alüminyum as an owner of "Approved Environmental Permission" , is regularly subjected to the necessary inspections and controls by authorized parties within the scope of compliance with environmental legislation. In 2021, environmental audits were successfully passed.

All wastes are collected in waste areas labeled according to the waste types at their source. The fulfilled waste areas are removed by the contracted disposal / recovery companies. Since environmental consultancy services are provided, the organization is carried out in coordination with the environmental consultant company for the disposal of wastes. In the process of temporary storage of wastes at the facility; All employees are informed during the annual environmental trainings about not mixing the wastes each other and sending all wastes to licensed facilities in accordance with environmental legislation.

Efforts are carried out for the destruction, reuse or evaluation of solid wastes generated during the process phase. All of the solid wastes to be disposed are stored in separate regions and sent to the waste disposal facility separately.



Appropriate methods have been determined for the disposal, reuse or evaluation of liquid wastes generated during the process, and for the control of gaseous wastes generated at Almesan.

Within the scope of Waste Management, no related environmental accident or pollution caused by waste has been experienced in our facilities so far.

Waste management and environmental trainings are organized for employees every year. These trainings are planned for 2021.

Used A4 papers are used for the second time when printing is required to minimize paper consumption. Scrapped papers are collected in waste paper boxes in the office.

Almesan implementing the Zero Waste Regulation practices in 2021, has created waste collection points within the facility according to its type. These wastes are collected by the Organized Industrial Zone, on certain days of the week and sent to the recycling and paper, nylon, glass collection and separation center.

20 Performance Indicators

Pre-information: In order to make a more comprehensive comparison with the data used in the performance indicators, the data kept since 2018 have been evaluated. While analyzing some historical data, general assumptions were made. In the absence of relevant information in the tables, it is indicated as '- '.

Employee Information

	2018	2019	2020	2021
Total N.o. Employees	201	228	239	241
N.o.Direct Employees	182	209	220	222
Female	30	31	32	33
Male	152	178	188	189
N.o.Subcontractor Employees	19	19	19	19
Female	4	4	4	4
Male	15	15	15	15
	2018	2019	2020	2021
N.o. Whitecollars	31	31	41	39
Female	13	13	17	17
Male	18	18	24	22
N.o. Bluecollars	151	178	179	183
Female	17	18	15	16
Male	134	160	164	167
Employee Distribution by Age Ranges	2018	2019	2020	2021
N.o.Employees Under 30	-	-	-	67
N.o.Employees Between 30 – 50	-	-	-	162
N.o.Employees aged 50 and over	-	-	-	4
N.o.Employees Subject to Collective Agreement	-	-	-	172
N.o.Employees Subject out of Collective Agreem.	-	-	-	61

Maternity and Paternity Leave	2018	2019	2020	2021
N.o.Employees for Maternity Leave	1	2	1	2
N.o.Employees for Paternity Leave	15	14	15	10
N.o.Returning Employees for Maternity Leave	1	1	2	0
N.o.Returning Employees for Paternity Leave	15	14	15	10

Training Information	2018	2019	2020	2021
Total n.o.Training Organized	24	48	60	72
Total n.o.Participants	146	142	135	179
Training Man-hours	1.683,08	1002	3905,42	1.261
Training Ratio (man-hour/n.o.employees)	8,91	4,79	17,75	5,68

- "Subcontractor employee" at Almesan Alüminyum includes security and catering services.
- Collective Agreement defines the contract between Almesan Alüminyum and Türk Metal-İş Union.

Occupational Health and Safety (OH&S)

	2018	2019	2020	2021
N.o.Employees under the rule of OH&S	201	228	239	241
N.o.Direct Employees	182	209	220	222
Female	30	31	32	33
Male	152	178	188	189
N.o.Subcontractor Employees	19	19	19	19
Female	4	4	4	4
Male	15	15	15	15
	2018	2019	2020	2021
N.o.Injuries	66	46	42	48
Female	16	3	2	4
Male	50	43	40	44
Accident Severity Rate	11,85	10,98	16,71	4,48
Accident Frequency Rate	-	64,90	84,85	83,54
Occupational Disease Rate (%)	0	0	0	0
N.o.Work-Related Deaths	0	0	0	0
N.o.Lost Days	1110	1181	1116	441

Accident severity rate represents the total number of lost days due to occupational accidents in a given working period.

$$\text{Accident Severity Rate} = \frac{\text{Total Number of Lost Days}}{(\text{Total Working Days} - \text{Total Non-Working Days})} \times 1.000$$

Accident frequency rate represents to the number of occupational accidents happened in a certain working period. In common assumption, the number of occupational accidents per 1 million working hours is used as a general comparison method.

$$\text{Accident Frequency Rate} = \frac{\text{Total Number of Occupational Accidents}}{(\text{Total Working Days} - \text{Total Non-Working Days}) \times \text{Daily Working Hours}} \times 1.000.000$$

OH&S Trainings	2018	2019	2020	2021
Total OH&S Trainings (man-hour)	-	600	456	3.372
N.o.Participants to OH&S Trainings	-	50	38	281
OH&S Training Rate (man-hour/n.o.employees)	-	1,90	2,07	12

OH&S Management	2018	2019	2020	2021
N.o.OH&S Board	1	1	1	1
N.o.Members at OH&S Board	9	9	7	7
N.o.Active Working Members at OH&S Board	2	2	2	2

- In accordance with the contracts made with the subcontractors, OH&S trainings of their own personnel is carried out under their own obligations. For this reason, it was not included in the numbers.
- The number of participation in the trainings was taken as individual number. It is independent on the number of employees.
- OH&S Specialist (HSE Responsible also) and Facility Doctor are defined as active working members in OH&S Board.

20 Performance Indicators



Environment

Waste Management	2018	2019	2020	2021
Total Water Discharge (m ³ /day)	78,79	91,46	80,71	95,54
Water Discharge to Natural Receiving Media (m ³ /day)	0	0	0	0
Discharge to Waste Water Line (m ³ /day)	78,79	91,46	80,71	95,54
Total Hazardous Waste (ton/year)	734,93	756,74	649,93	1108,68
Aluminium Dross Quantity (ton/year)	525,19	337,86	454,41	797,16
Hazardous Waste Sent to Energy Recovery (ton/year)	209,74	418,88	195,52	290,47
Hazardous Waste Energy Recovery Rate (%)	28,54	55,35	30,08	26,20
Hazardous Waste Recycling Rate (%)	71,46	44,66	69,92	73,80
Non-Hazardous Waste (ton/year)	218,92	319,04	61,42	114,67
Non-Hazardous Waste Recycling Rate (%)	100	100	100	100
Hazardous Waste Temporary Storage Capacity (m ³)	100	100	100	100
Environmental Trainings	2018	2019	2020	2021
Total Environmental Trainings (man-hour)	177	177	174	189
N.o.Employees Attending Environmental Trainings	177	174	174	189
N.o.Subcontractor Employees Attending Environmental Trainings	19	19	19	19
Environmental Training Rate (man-hour/n.o.employees)	1	1	1	1

Hazardous Waste Sent to Energy Recovery

Contaminated wastes and other hazardous wastes generated in Almesan Alüminyum are taken from the facility by licensed companies, mostly to be used as fuel supplements in accordance with regulations. All transactions are recorded with the **UATF (National Waste Transport Form)**. Online tracking of the data can be done from the relevant portals of the Ministry of Environment and Urbanization.

Dross (Recyclable Hazardous Waste)

The dross generated during aluminum casting are also considered in the scope of hazardous waste and are given to companies licensed by **UATF** in order to be recycled and reused.

Hazardous Waste Temporary Storage Capacity

Hazardous waste temporary storage area defines a volume of 150 m³ with a height of 3 m sitting on a 50 m² base. Since the storage conditions and densities of hazardous wastes subject to temporary storage will be different, and considering the safety conditions, a capacity of 100 m³ has been decided to be appropriate.

Use of Resources

Material	2018	2019	2020	2021
Final Product (packaged-ton/year)	12.396	14.400	13.812	18.054
Material Processed in Production Stages (ton/year)	22.740	28.830	26.592	36.442
Material Reused from Processes (ton/year)	7.959	10.090	9.307	18.388
Water Use	2018	2019	2020	2021
Well Water (m ³ /year)	0	0	0	0
Mains Water (m ³ /year)	28.761	33.384	29.460	34.872
Specific Water Use (m ³ /packaged-ton)	2,32	2,32	2,13	1,93
Energy Use	2018	2019	2020	2021
Total Energy Consumption (GJ/year)	191.847,60	223.136,60	213.521,72	239.196,94
Direct Energy Consumption (GJ/year)	158.663,68	182.736,68	178.254,50	193.717,79
Natural Gas (Sm ³ /year)	4.099.618,00	4.723.837,50	4.606.652,80	5.532.109,40
Natural Gas (GJ/year)	157.031,77	180.941,87	176.453,23	191.085,13
In-Facility Diesel Consumption (lt/year)	42.733	47.296	47.421	64.205
In-Facility Diesel Consumption (GJ/year)	1.510,60	1.671,91	1.676,32	2.275,53
Industrial Gas Consumption (LPG, Propane) (kg/year)	2.665,00	2.700,00	2.745,00	7.830,00
Industrial Gas Consumption (LPG, Propane) (GJ/year)	121,31	122,90	124,95	357,13
Indirect Energy Consumption (GJ/year)	33.183,92	40.399,92	35.267,22	45.479,15
Electricity (kWh/year)	9.239.932,00	11.249.197,20	9.820.017,40	12.630.860,05
Electricity (GJ/year)	33.183,92	40.399,92	35.267,22	45.479,15
Renewables Use Rate(%)	-	43,89	42,27	38,77

20 Performance Indicators



Energy Efficiency

	2018	2019	2020	2021
Energy Intensity (GJ/package-ton)	15,48	15,50	15,46	13,25
Energy Intensity (TEO/package-ton)	0,370	0,371	0,370	0,320
Natural Gas Intensity (Sm ³ /package-ton)	330,72	328,04	333,53	306,41
Electricity Intensity (kWh/package-ton)	745,40	781,19	710,98	699,60

Greenhouse Gas Emissions

	2018	2019	2020	2021
Total GHG Emissions (CO₂-eq-ton)	15.512,15	18.206,59	17.100,13	21.018,98
Direct GHG Emissions (CO₂-eq-ton) [Scope 1]	10.326,18	11.892,30	11.601,00	13.964,14
Indirect GHG Emissions (CO₂-eq-ton) [Scope 2]	5.128,16	6.243,30	5.450,11	7.010,13
GHG Emissions from Company Vehicles (CO₂-eq-ton)	57,81	70,99	49,02	44,71
Other Emissions from NOx, SOx (CO₂-eq-ton)				
GHG Intensity (CO₂-eq-ton/package-ton)	1,251	1,264	1,238	1,164

TOE: Tons of Equivalent Oil (10 million kcal)

Tons of oil equivalent (TOE) is an energy unit equivalent to 10 million kcal, which enables the energy resources to be expressed in a single unit. The conversion coefficients of all energy sources to TOE have been determined by the Regulation on Increasing Efficiency in the Use of Energy Resources and Energy dated 25 October 2008.

Standard Cubicmeter (Sm³):

It refers to the amount of natural gas that fulfills a 1 cubic meter volume at 15°C and 1,01325 bar absolute pressure, does not contain water vapor and has an Upper Heating Value of 9.155 Kcal. 1 Sm³= 10.64 kWh.

Gas consumptions at Almesan Alüminyum are verified through the main meters set by İzgaz. All consumption values are calculated in Sm³ by means of a converter and converted into kWh over the calorific measurement values made from the main distribution networks. The calorific value of natural gas used in our calculations has an average value of 9.150.4 kcal.

GJ: Giga Joule, **MJ:** Mega Joule

1 TEP = 11.600 kWh = 41,76 GJ

1 kWh = 3,6 MJ

1 kWh = 860 kcal

GHG: Greenhouse Gases

Direct Carbon Footprint (Scope-1)

The fossil fuels used by the facilities for their activities (for heating or the production process) and the emissions created by the fossil fuels used by the in-facility vehicles are evaluated under Scope-1.

Indirect Carbon Footprint (Scope-2)

Emissions caused by electrical energy consumed by companies, emissions due to steam, cooling or hot water purchased by the company from another party are evaluated under Scope-2.

GHG Emissions CO₂ Equivalent Reference Information

Electricity	0,555	kg CO ₂ /kWh
Natural Gas	0,234	kg CO ₂ /kWh
Diesel	2,599	kg CO ₂ /lt
Gasoline	2,392	kg CO ₂ /lt
LPG	1,665	kg CO ₂ /lt
LPG	3,020	kg CO ₂ /kg

On 28 December 2020, This is the information announced on the official website of the Ministry of Environment and Urbanization of Türkiye, General Directorate of Vocational Services.



Product Based Environmental Performance Analysis

While making the calculations, the information in **EN ISO 14025** and **EN 15804 + A2** standards were taken as reference. The stages evaluated according to **EN 15804 + 2** are given below as **colored (A1-A3, C1-C4, D)**.

Product Stage	A1	Raw Material Supply
	A2	Transport
	A3*	Manufacturing
Construction Process Stage	A4	Transport
	A5	Construction – Installation Process
	B1	Use
	B2	Maintenance
	B3	Repair
	B4	Replacement
	B5	Refurbishment
Use Stage	B6	Operational Energy Use
	B7	Operational Water Use
End-of-Life Stage	C1	Deconstruction, Demolition
	C2	Transport
	C3	Waste Processing
	C4	Disposal
Benefits and Loads Beyond The System Boundary	D	Reuse, Recovery, Recycling Potential

Evaluation table mentioned above is only included in the study to be made under cold rolling products, as EN 15804 + A2 Standard requires to submit EPD (Environmental Product Declaration) for Construction Materials. While calculating the carbon footprints of disc, flat product, slug and automotive parts, production stages and post-industrial scrap potentials are considered together with carbon footprint of cold rolling products.

*A3 Values 2018-21, (Production Processes) [CO₂ eq.ton / product-ton]

Product Group	2018	2019	2020	2021	Optimum	Target 2023
Disc	1,212	0,933	1,079	0,935	0,900	0,750
Strip, Plate	0,817	1,005	1,104	1,455	1,000	0,900
Slug	0,944	0,780	2,827	2,295	0,780	0,750
Automotive Component	10,170	12,058	6,337	4,267	4,000	2,000

Carbondioxide burdens that come from raw material and its transport (A1+A2) have not been reflected to the calculations. Only CO₂ equivalent generated from all operation stages of 1 ton final product is represented.

Energy consumption specific values for material preparation like melting (per ton) can be differed based on distribution of commercial orders per annum and production set-up changes depending on product range.



21 GRI Index



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21 GRI Index



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