

SUMMARY ESG 2022

All-round sustainability

**The trends reported are the result of the analysis of data as certified
in the 2022 Group Sustainability Report**



ENVIRONMENT

The **Alfa Acciai Group** is committed to making steel production increasingly sustainable through full compliance with environmental regulations and the **ongoing search** for best technical, managerial and organisational solutions to improve consumption efficiency. The objectives that the Group has set itself include actions to efficiently manage **energy** and limit the impact of activities on all matrices: **soil, water and air**.

ZERO WASTE

A cornerstone in the Group's business strategy is the systematic application of the principle of **circular economy**, with the aim of reusing, recovering and enhancing every material resulting from the various processing stages, thereby safeguarding precious natural resources.



SOIL

Reducing the production of waste and increasing recovery

ISO14001

- Alfa Acciai
- Acciaierie di Sicilia
- Tecnofil

1.7 Mt
AMOUNT OF SCRAP USED

99%
MINIMUM RECYCLED MATERIAL CONTENT AT ALFA ACCIAI AND ACCIAIERIE DI SICILIA

This figure is among the highest in Europe and far exceeds the **Minimum Environmental Criteria** for structural applications set by the CAM-EDILIZIA, which is Italy's most important environmental Standard in the construction industry.

5,278,949 GJ
ENERGY CONSUMED WITHIN THE ORGANISATION

2.56 GJ/t
ENERGY INTENSITY

-3.6%

Decreased energy intensity as compared to the average of the last two years. **-4.4% vs. 2021.**

70%
% WASTE RECOVERED

+14%

Increase in percentage of waste recovered out of total waste generated as compared to the average of the previous two years. **+31.5% vs. the average of the previous three years.**

18%
Use of **polymers** compared to total additives.

100%
Spent refractory materials from melting furnaces are re-used as additives

Investments made and the use of additives with low CO₂ emissions has made it possible to achieve remarkable results in line with the Group's **decarbonisation** strategy.



AIR

Reducing greenhouse gas emissions



Achieving **ISO 14064-1** Certification **CFO - Corporate Carbon Footprint** for the Group's 9 units in 2023.

In our processes we activate various **'circular sub-economies'**, transforming the black slag into industrial aggregate, recovering zinc contained in offgas dust, non-ferrous metals from shredded scrap and iron oxide from mill scale for use in the cement industry.

The Group uses supply sources that minimise the impact on the local area. The withdrawal of water is almost exclusively due to the replenishment of the **cooling circuits** of the plants that adopt the best technical solutions to mitigate consumption.



WATER

Reducing water consumption

-3%

Decreased withdrawal of water per tonne produced as compared with the average for the previous two years.

452,998 tCO₂e
TOTAL EMISSIONS SCOPE 1 AND SCOPE 2 LB

0.219 tCO₂e
EMISSION INTENSITY

-8.3%

Decreased intensity of CO₂ emissions (Scope 1 and 2) as compared to the average of the previous 2 years. **-10% vs. 2020.**

30 CYCLES OF RECIRCULATED WATER BY THE COOLING SYSTEM BEFORE BEING DISCHARGED

97% PLANT WATER REQUIRED GUARANTEED BY WATER RECIRCULATION

OTHER EMISSIONS All the operations implemented and the careful management of environmental facilities help to keep atmospheric emission concentrations **well below the thresholds set by the Integrated Environmental Authorisation (IEA).**

SOCIAL

Employees and collaborators are essential for business success. As a result, in line with the Code of Ethics, Group companies foster the value and specificity of all staff and ensure a work environment that is safe, welcoming and appropriate for the development of the skills of each and every person.

ISO45001
 - Alfa Acciai
 - Acciaierie di Sicilia
 - Alfa Derivati
 - Tecnofil



GROUP
ACTUAL EMPLOYEES



OF WHICH UNDER
OPEN-ENDED CONTRACT



EXTERNAL STAFF



Reduced number of injuries to total employees and external workers, as compared to the average of the previous two years.
 -35% vs. the average of the previous three years.



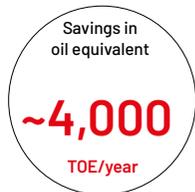
**ALFA ACCIAI IS SAFETY AMBASSADOR
 IN BRESCIA**



The Alfa Acciai Group has set up Alfa Academy, the brainchild of the collaboration with ITS Academy Machina Lonati, a vocational school intended to train people capable of dealing with the installation and maintenance of steel production and processing plants. The school programme offers the young participants classroom training sessions alternating with in-company work experience under a one-year apprenticeship contract.

Mindful of its role in the local community and owing to the vicinity of its production facilities to the residential area to the south-east of Brescia, Alfa Acciai has implemented an industrial heat plant for the recovery and transfer of heat, the result of years of heavy investments in the search for new sustainable solutions.

PLANT FOR RECOVERY AND TRANSFER OF HEAT TO THE BRESCIA DISTRICT HEATING NETWORK (A2A)



The main tool implemented by Alfa Acciai to monitor the local socio-economic context is the **ALFA ACCIAI OBSERVATORY**. This was established in 2007 and has enabled the company to open up to the community, facilitating transparent dialogue and gathering a diverse range of requests, in relation to external environmental impact generated by production operations, and in terms of the contributions the company can make through its organisation and means.

GOVERNANCE

Regarding sustainability, the Alfa Group invests every year to increase safety standards, quality and environmental performance and ensure high production efficiency and flexibility **over the entire product range**, by introducing **cutting-edge solutions**.



REVENUES FROM SALES



ECONOMIC VALUE
DISTRIBUTED



INVESTMENTS



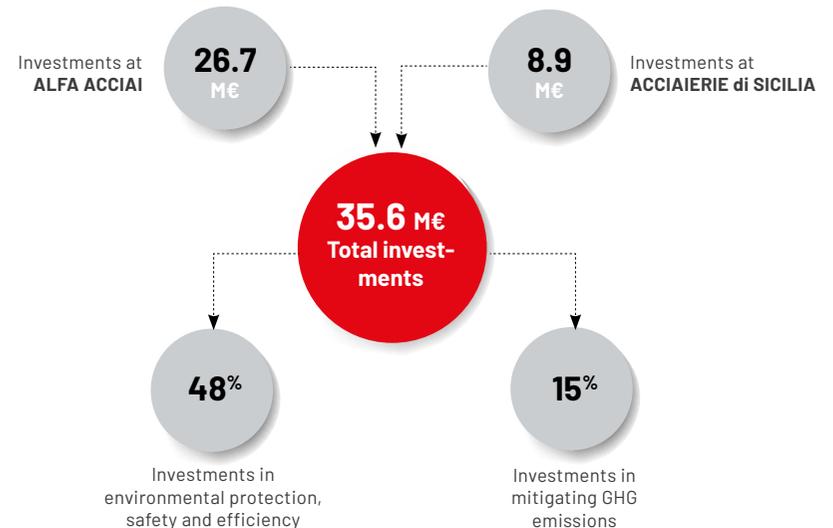
Increase over the average of the previous two years
+72% vs. the previous three years.



Increase over the average of the previous two years
+67% vs the previous three years.



Increase in Group investment over the average of the previous 5 years.



The development and management of energy efficiency and renewable energy production projects lie with the holding company Siderurgica Investimenti, hence outside the reporting scope of the Sustainability Report.



All-round sustainability



ALFA ACCIAI
Group

www.alfaacciai.it