

CIRCULAR ECONOMY



MATERIALS USED

Steel, input of our production process, is technically a non-renewable material as it originates from ore from potentially exhaustible deposits. However, it has the intrinsic possibility of being 100% recyclable thanks to the level of technology achieved in the circular economy chain of steel.

The other materials used for the production and packaging of the products are less than 1% of the materials used by the Group, but the organization has decided to still report all the materials used defining the origin from renewable and non-renewable sources.



	2021	2022
TOTAL NON-RENEWABLE MATERIALS USED (t)	224.934,14	212.240,20
Steel (processed or marketed)	223.598	211.005
Steel for packing	1.184,16	1.070,33
Polyester	65,3	38,42
Chemical	40,94	42,14
Oils	45,74	84,31
TOTAL RENEWABLE MATERIALS* USED (t)	356,11	430,61
Wood	269	322,92
Paper	87,11	107,69
TOTAL RENEWABLE MATERIALS * USED (t)	225.290,25	212.670,81

**Notes: Renewable material - material derived from abundant resources that is rapidly replenished through ecological cycles or agricultural processes so that the services provided by these and other related resources are not compromised and remain available for future generations.*



“An industrial economy that is conceptually regenerative and reproduces nature by actively improving and optimising the systems through which it operates”.

Source: Ellen MacArthur Foundation.

With respect to the Group's production, the input of the work cycle of our suppliers has been verified, whether mainly from scrap (electric furnace) or from iron ore (blast furnace).

From this analysis we obtained the following results:

	2021	2022
TOTAL WEIGHT OF PROCESSED MATERIAL (Steel) t	166,030	156,463
TOTAL WEIGHT OF RECYCLED MATERIALS USED (Steel) t	136,304	121,030
PERCENTAGE OF MATERIALS USED FROM RECYCLING	82.10%	77.35%

*Notes: The values indicated are calculated from the percentage of recycled material declared by the suppliers.

Percentage* of recycled materials used to produce the organisation's primary products.



RECYCLABLE PRODUCTS DELIVERED 100%

PROCESSED MATERIALS FROM RECYCLING



*Notes: This figure only considers the production companies Trafifix Industries and Trafif Czech.

77,35%

The total weight is calculated on the percentage of recycled material provided by suppliers.

WASTE GENERATION AND RELATED SIGNIFICANT IMPACTS

The scrap, the main waste of the processing, is managed, in compliance with the circular economy, by sending it to recovery centres. For all types of waste, this solution is preferred over disposal centres.

The purchase of a filter at Trafifix S. Colombano Stainless Production Unit will allow the reduction and return to recovery of the residual sludge from the rectification. Since 2022, the Group's companies have been using software dedicated to waste management. Dal 2022 le Aziende del Gruppo utilizzano un software dicato alla gestione dei rifiuti.

Type of waste	2020		2021		2022	
	disposal	recovery	disposal	recovery	disposal	recovery
Metals and minerals	16	5.042	29	7.583	18	7.770
Oils, sludges and solutions	157	25	244	11	245	25
Biodegradable	-	0,2	-	20	-	6
Plastic and glass	0	25	0	96	0	40
other	7	47	14	90	11	76

Peso totale in t.

97%



WASTE FOR RECOVERY

Type of waste	2020		2021		2022	
	hazardous	Non hazardous	hazardous	Non hazardous	hazardous	Non hazardous
Metals and minerals	0,4	5.058	0,1	7.611	4	7.783
Oils, sludges and solutions	182	0	255	0	226	44
Biodegradable	.	0,3	.	20	.	6
Plastic and glass	.	25	.	96	.	40
other	7	47	15	89	11	76

Total weight in tonnes.

Notes: Urban Solid Waste is managed at the municipal level and by the relevant municipal companies, for this reason, it is not quantified.

The processes for data collection and monitoring are linked to legal obligations.