

Sustainability Statement

Performance Indicators
2025

KPI		2025	2024	2023
Production				
Cast steel (100% electric arc furnace)	Million tons	3.6	3.7	3.9
Seamless pipes	Million tons	3.1	3.2	3.2
Welded pipes	Million tons	0.8	0.8	1.0
Safety				
Investments in health and safety	USD million	32	35	24
Million hours worked	Employees and contractors	72	73	72
	Employees	54	53	53
	Contractors	18	20	19
Employees who received medical check-ups	Thousand employees	18	18	21
Safe hours held	Hours	35,485	39,609	50,850
Preventive actions implemented	Thousand actions	43	56	90
Opportunities ratio	Ratio	0.6	1.5	2.6
Total Injury Frequency Rate	Employees and contractors	5.0	4.4	6.3
	Employees	5.4	4.3	6.8
	Contractors	3.9	4.6	5.0
Injury Frequency Rate	Employees and contractors	2.4	2.3	3.2
	Employees	2.8	2.4	3.5
	Contractors	1.4	1.9	2.3
Lost Time Injury Frequency Rate	Employees and contractors	1.1	0.8	1.2
	Employees	1.0	0.9	1.2
	Contractors	1.1	0.7	1.1
Major Injury Frequency Rate	Employees and contractors	0.42	0.19	0.52
	Employees	0.35	0.15	0.51
	Contractors	0.60	0.30	0.58
Fatalities as a result of work-related injury	Employees number	0	2	0
	Employees rate	0.0	0.04	0.0
	Contractors number	0	0	3
	Contractors rate	0.0	0.0	0.2
Near Miss Frequency Rate	Employees and contractors	11	12	13
	Employees	12	13	15
	Contractors	8	9	7
High Potential Events Frequency Rate (Severity 4)	Employees and contractors	2.6	2.7	3.0
	Employees	2.8	2.9	3.4
	Contractors	2.0	1.9	2.0
Environment				
Investments in environment and energy savings	USD million	239	207	191
Emissions				
Greenhouse gas (GHG) emissions				
GHG tubular operations emissions				
Scope 1	CO ₂ -eq million tons	1.9	2.0	2.1
Scope 2 - Market based	CO ₂ -eq million tons	0.8	0.9	1.0
Scope 2 - Location based	CO ₂ -eq million tons	1.0	1.1	1.1
Scope 1 + Scope 2 (Market based)	CO ₂ -eq million tons	2.7	2.9	3.1
Scope 3 - Category 1 - Purchased goods and services	CO ₂ -eq million tons	2.8	3.2	3.6

KPI		2025	2024	2023
Scope 3 - Category 3 - Fuel and energy-related activities	CO ₂ -eq million tons	0.4	0.4	0.4
Scope 3 - Category 4 - Upstream transportation and distribution	CO ₂ -eq million tons	0.1	0.1	0.1
Scope 3 - Category 4 - Intermill transport of steel bars and green pipes	CO ₂ -eq million tons	0.2	0.2	0.1
Scope 3 - Category 9 - Downstream transportation and distribution (not including intermill)	CO ₂ -eq million tons	0.6	0.6	0.6
Total GHG emissions (Market based) (Scope 1, 2 & 3 all categories reported on the inventory)	CO ₂ -eq million tons	6.9	7.4	7.9
Total GHG emissions (Location based) (Scope 1, 2 & 3 all categories reported on the inventory)	CO ₂ -eq million tons	7.1	7.6	8.0
Intensity	tons CO ₂ -eq/ton steel	1.24	1.31	1.33
Intensity vs. 2018	%	-19	-15	-14
Recycled content in our steel	%	81	82	79
Scope 1 emissions from tubular operations covered under regulated emissions trading schemes or carbon tax regulations	%	85	87	87
Tubular operations GHG emissions (Market based) per net revenue	tons CO ₂ eq/USD million	574	590	545
Tubular operations GHG emissions (Location based) per net revenue	tons CO ₂ eq/USD million	595	605	551
GHG oilfield services emissions				
Oilfield services Scope 1	CO ₂ -eq ton	75,280	64,262	NA
Oilfield services Scope 2 (Market based)	CO ₂ -eq ton	117	49	NA
Oilfield services Scope 2 (Location based)	CO ₂ -eq ton	117	49	NA
Tubular operations and oilfield services				
GHG emissions (Market based) per net revenue	tons CO ₂ eq/USD million	597	590	545
GHG emissions (Location based) per net revenue	tons CO ₂ eq/USD million	617	605	551
Air emissions				
Particulate material emissions	g/ton casted steel	12	17	14
Nitrogen oxides emissions	Kg/ton product	0.6	0.8	0.7
Sulfur oxides emissions	Kg/ton product	0.1	0.15	NA
Volatile organic compound emissions from pipe varnishing	g/ton product	224	264	239
Energy management tubular operations				
Total energy consumed	Terajoules (TJ)	38,992	39,335	40,123
-of which natural gas	TJ	24,861	25,112	25,772
-of which coal	TJ	1,568	1,709	1,828
-of which non-renewable electricity	TJ	8,295	9,111	10,378
-of which renewable electricity purchased from the grid	TJ	1,354	1,063	1,280
-of which renewable electricity self-generated	TJ	2,255	1,757	411
-of which nuclear sources	TJ	0	0	0
-of which other (e.g., diesel and gasoline)	TJ	659	582	455
Total energy consumed from fossil fuels	%	91	93	96
Total energy consumed from renewable sources	%	9	7	4

KPI		2025	2024	2023
Electricity consumption supplied from grid	%	68	71	80
Electricity generated and sold (non-renewable)	TJ	536	525	468
Electricity generated and sold (renewable)	TJ	0	0	0
Total electricity consumption	GWh	3,945	3,977	4,023
Consumption of renewable electricity (per TS market decision)	GWh	1,003	784	470
Self-generation of non-renewable electricity	GWh	787	802	801
Self-generation of renewable electricity	GWh	627	488	114
Share of renewables in total electricity consumption	%	25	20	12
Energy intensity	GJ/ton processed steel	8	8	8
Energy management oilfield services				
Tubular operations energy consumption per net revenue	TJ/USD million	3.3	3.1	2.7
Oilfield services energy consumption	TJ	1,021	865	NA
Tubular operations and oilfield services energy consumption per net revenue	TJ/USD million	3.5	3.1	2.7
Water management				
Water withdrawal tubular operations and oilfield services	Million m ³	62.2	65.4	64.5
-of which surface	%	74	74	78
-of which subsurface	%	21	22	20
-of which network	%	5	4	3
Intensity of water withdrawal tubular operations	m ³ water /ton pipe	15	15	16
Intensity of water withdrawal excluding Siderca	m ³ water /ton pipe	5	4	4
Estimated Intensity water consumed tubular operations	m ³ water /ton pipe	2	2	2
Water withdrawal from high or extremely high overall water risk	%	0.7	0.6	0.3
Estimated water consumption tubular operations and oilfield services	Million m ³	12.6	11.8	8.6
Estimated water consumption in areas with high or extremely high-water stress tubular operations	Million m ³	0.4	0.3	0.2
Estimated water consumption per net revenue	m ³ per USD million	1,054	944	579
Water recycled	Million m ³	602	NA	NA
Oilfield services water intake	Million m ³	4.0	2.6	NA
Oilfield services water discharge	Million m ³	0	0	NA
Oilfield services water consumption	Million m ³	4.0	2.6	NA
Waste management				
Co-Products and waste tubular operations and oilfield services				
Material efficiency at sites w/steel process	%	99	98.8	98.2
Residue & co-products reused or recycled	ton	727,596	849,936	877,958
Residue & co-products reused or recycled (maximum recycling considered equal to generation)	%	79.7	85.6	87.7
Waste disposal	ton	59,836	73,339	84,618
Waste and co-products disposal vs total generation	%	8.5	9.7	9.1

KPI		2025	2024	2023
Total tons of wastes and co-products generated (scrap not included)	ton	912,556	958,773	928,168
Total hazardous wastes generated	ton	111,325	134,100	122,437
Total non-hazardous wastes generated	ton	801,452	824,672	805,731
Total amount of radioactive waste generated	ton	0	0	0
Total amount of waste sent to incineration	ton	660	813	2,458
Human Capital				
Employees at year end				
Shop floor	N° of people	18,743	19,663	22,712
-of which male	N° of people	17,751	18,642	21,547
-of which female	N° of people	992	1,021	1,165
-of which male	%	95	95	95
-of which female	%	5	5	5
Professional	N° of people	6,132	6,211	6,422
-of which male	N° of people	4,270	4,336	4,499
-of which female	N° of people	1,862	1,875	1,923
-of which male	%	70	70	70
-of which female	%	30	30	30
Total employees (full-time)	N° of people	24,875	25,874	29,134
-of which male	N° of people	22,021	22,978	26,046
-of which female	N° of people	2,854	2,896	3,088
-of which male	%	89	89	89
-of which female	%	11	11	11
Trainees (part-time)	N° of people	587	590	754
-of which male	N° of people	334	312	413
-of which female	N° of people	253	278	341
-of which male	%	57	53	55
-of which female	%	43	47	45
Senior managers by gender				
Total	N° of people	1,153	1,140	1,098
Male	N° of people	975	969	949
Female	N° of people	178	171	149
Male	%	85	85	86
Female	%	15	15	14
Age ranges				
Employees up to 30	N° of people	5,198	5,816	7,480
-of which male	N° of people	4,256	4,776	6,318
-of which female	N° of people	942	1,040	1,162
-of which male	%	82	82	84
-of which female	%	18	18	16
Employees between 31 and 50	N° of people	14,826	15,317	16,788
-of which male	N° of people	13,293	13,815	15,225
-of which female	N° of people	1,533	1,502	1,563
-of which male	%	90	90	91
-of which female	%	10	10	9
Employees over 50	N° of people	4,851	4,741	4,866
-of which male	N° of people	4,472	4,387	4,503

KPI		2025	2024	2023
-of which female	N° of people	379	354	363
-of which male	%	92	93	93
-of which female	%	8	7	7
Average age of workforce	Years	41	40	39
Age ranges for professional employees				
Professionals up to 30	N° of people	1,343	1,434	1,481
-of which male	N° of people	770	823	846
-of which female	N° of people	573	611	635
-of which male	%	57	57	57
-of which female	%	43	43	43
Professionals between 31 and 50	N° of people	3,604	3,644	3,814
-of which male	N° of people	2,579	2,626	2,768
-of which female	N° of people	1,025	1,018	1,046
-of which male	%	72	72	73
-of which female	%	28	28	27
Professionals over 50	N° of people	1,185	1,133	1,127
-of which male	N° of people	921	887	885
-of which female	N° of people	264	246	242
-of which male	%	78	78	79
-of which female	%	22	22	21
Age ranges for shop-floor employees				
Shop floor up to 30	N° of people	3,855	4,382	5,999
-of which male	N° of people	3,486	3,953	5,472
-of which female	N° of people	369	429	527
-of which male	%	90	90	91
-of which female	%	10	10	9
Shop floor between 31 and 50	N° of people	11,222	11,673	12,974
-of which male	N° of people	10,714	11,189	12,457
-of which female	N° of people	508	484	517
-of which male	%	95	96	96
-of which female	%	5	4	4
Shop floor over 50	N° of people	3,666	3,608	3,739
-of which male	N° of people	3,551	3,500	3,618
-of which female	N° of people	115	108	121
-of which male	%	97	97	97
-of which female	%	3	3	3
Age ranges for senior managers				
Senior managers up to 30	N° of people	7	8	4
Senior managers up to 30	%	1	1	0
-of which male	N° of people	5	7	3
-of which female	N° of people	2	1	1
-of which male	%	71	88	75
-of which female	%	29	12	25
Senior managers between 31 and 50	N° of people	750	766	776
Senior managers between 31 and 50	%	65	67	71
-of which male	N° of people	619	638	656
-of which female	N° of people	131	128	120

KPI		2025	2024	2023
-of which male	%	83	83	85
-of which female	%	17	17	15
Senior managers over 50	N° of people	396	366	318
Senior managers over 50	%	34	32	29
-of which male	N° of people	351	324	290
-of which female	N° of people	45	42	28
-of which male	%	89	89	91
-of which female	%	11	11	9
People working in R&D	N° of people	263	258	269
Female to male actual total compensation (professional employees)	%	96	95	96
Training				
Training hours per professional employee	Hours	31	37	37
Training hours per shop-floor employee	Hours, including on-the-job training	70	85	105
Training hours per shop-floor employee	Hours, excluding on-the-job training	25	32	39
Hours of training	Million hours	1.5	1.9	2.4
Employees by country				
Mexico	N° of people	5,813	6,042	7,500
Argentina	N° of people	5,314	5,811	6,267
U.S.	N° of people	3,736	3,583	3,882
Italy	N° of people	2,102	2,140	2,187
Romania	N° of people	1,909	1,885	1,884
Canada	N° of people	1,236	1,197	1,195
Brazil	N° of people	1,212	1,405	1,492
Colombia	N° of people	915	893	1,112
Saudi Arabia	N° of people	746	759	849
Indonesia	N° of people	611	911	1,573
Other	N° of people	1,281	1,248	1,193
Employees by nationality				
Mexican	N° of people	6,248	6,447	7,850
Argentine	N° of people	5,507	6,006	6,462
U.S.	N° of people	2,875	2,751	3,057
Italian	N° of people	2,064	2,106	2,145
Romanian	N° of people	1,935	1,915	1,911
Brazilian	N° of people	1,233	1,428	1,509
Canadian	N° of people	1,132	1,096	1,107
Colombian	N° of people	959	935	1,156
Indonesian	N° of people	606	913	1,557
Saudi Arabian	N° of people	313	351	434
Others	N° of people	2,003	1,926	1,946
Mexican	%	25	25	27
Argentine	%	22	23	22
U.S.	%	12	11	10
Italian	%	8	8	7
Romanian	%	8	7	7
Brazilian	%	5	6	5

KPI		2025	2024	2023
Canadian	%	5	4	4
Colombian	%	4	4	4
Indonesian	%	2	4	5
Saudi Arabian	%	1	1	1
Others	%	8	7	7
Senior managers by nationality				
Argentine	N° of people	408	407	408
Mexican	N° of people	180	181	172
Italian	N° of people	174	170	168
U.S.	N° of people	76	73	70
Romanian	N° of people	71	67	59
Brazilian	N° of people	48	52	53
Colombia	N° of people	30	29	28
Canadian	N° of people	27	26	22
Uruguayan	N° of people	22	22	20
Others	N° of people	117	113	98
Argentine	%	35	36	37
Mexican	%	16	16	16
Italian	%	15	15	15
U.S.	%	7	6	6
Romanian	%	6	6	5
Brazilian	%	4	5	5
Colombian	%	3	3	3
Canadian	%	2	2	2
Uruguayan	%	2	2	2
Others	%	10	10	9
Other human capital indicators				
Number of nationalities represented in the employee population	Number	99	101	103
Employees covered by collective bargaining agreements	%	67	68	72
Resignation rate	% All employees	3.8	4.4	5.0
Resignation rate	% Professional employees	3.6	3.8	4.2
Employees who received upward feedback	% Professional employees	98	NA	NA
New hires	N° of people	3,155	2,573	3,664
GTs new hires	N° of people	120	162	251
GTs new hires - Male	N° of people	73	98	148
GTs new hires - Female	N° of people	47	64	103
GTs new hires - Male	%	61	60	59
GTs new hires - Female	%	39	40	41
Total number of employees who left during the reporting period	N° of people	3,695	5,677	3,019
Rate of employee turnover during the reporting period	%	15	21	12
Community				
Education investment	USD millions	13.7	14.2	13.1
Other community investment	USD millions	3.1	3.7	2.4
Total community investment	USD millions	16.9	17.9	15.5

KPI		2025	2024	2023
Roberto Rocca Technical School students	N° of students	468	452	444
Roberto Rocca Technical School students trained from other schools	N° of students	1,668	1,390	830
Roberto Rocca Technical Gene	N° of students	6,451	6,230	5,196
Roberto Rocca Technical Gene	N° of teachers	272	206	148
Roberto Rocca After School Program	N° of students	1,959	1,846	2,026
Roberto Rocca Education Program University & PhD	N° of students	256	494	527
Roberto Rocca Scholarships Program - High school	N° of students	1,683	1,941	1,325



We appreciate your interest in our sustainability practices, and invite you to explore our full Sustainability Statement, part of our Annual Report on our website.

