

**TATA STEEL**



SUSTAINABILITY PERFORMANCE  
TATA STEEL IN THE NETHERLANDS

Fiscal years 16/17 & 17/18



# TODAY TOWARDS TOMORROW

This data sheet is an appendix to the 2018 sustainability report of Tata Steel in Europe and aims to represent a balanced appraisal of the sustainability performance of Tata Steel in The Netherlands.

Tata Steel in the Netherlands is an integrated part of Tata Steel Europe, therefore some of the performance indicators reflect the overall European performance. Data on our CO<sub>2</sub> performance and use of resources, emissions and waste relates to the performance of our production site in IJmuiden. In order to align with steel industry practices, this data reflects calendar year performance rather than fiscal year performance.

The detailed data on our health & safety performance, people and corporate social responsibility, focuses on our production site in IJmuiden and our activities in the local IJmond community. A single collective bargaining agreement for the 'Social Unit IJmuiden' means there is a separate people scorecard for this entity. The Social Unit IJmuiden comprises Tata Steel IJmuiden B.V., Tata Steel Nederland Services B.V. and Tata Steel Nederland Technology B.V.

The scope of data for the various tables is consistently indicated throughout the data sheet.



# KEY FIGURES

Steel recycled:

**1,192**  
1,000 tonnes

Competition law:

**2,851**  
people trained

Number of  
new products  
launched:

**23**



		NL FY 2016 / 2017	NL FY 2017 / 2018
<b>Health and safety (1)</b>			
Fatalities	#	0	0
Lost-time injury rate – total	per million hours worked	1.50	1.22
Lost-time injury rate - employee	per million hours worked	0.96	0.93
Lost-time injury rate – contractor	per million hours worked	2.25	2.13
Recordables (total)	#	86	105
Recordables (employees)	#	37	67
Recordables (contractors)	#	49	38
Sickness Absence Rate	%	4.7	4.88

<sup>1</sup> Primary steelmaking, IJmuiden production site

<b>Governance, compliance and integrity (2)</b>			
Anti-bribery and corruption	# of people trained	2,807	2,972
Competition law	# of people trained	2,629	2,851
Dawn raid	# of people trained	1,278	1,336
Export controls	# of people trained	1,204	1,279

<sup>2</sup> Tata Steel Europe

<b>Customers and markets (2)</b>			
Customer Satisfaction Index	%	76.5	76.5
Number of new products launched	#	20	23
R&D spend	£, millions	55.4	63

<sup>2</sup> Tata Steel Europe

CO<sub>2</sub> saved from external steel recycled:

**813**  
1,000 tonnes



Crude steel production:

**7.1**  
million tonnes



		NL FY 2016 / 2017	NL FY 2017 / 2018
<b>Climate change (3)</b>			
Crude steel production	million tonnes	6.8	7.1
Steel recycled – Total	1,000 tonnes	1,165	1,192
External steel recycled	1,000 tonnes	570	505
Internal steel recycled	1,000 tonnes	600	667
CO <sub>2</sub> saved from external steel recycled (4)	1,000 tonnes	915	813
Energy intensity per tonne crude steel	GJ/tcs	19.3	20.0
CO <sub>2</sub> eq emission - Direct emissions (scope 1: formal and audited emissions according ETS) (5)	million tonnes	6.30	6.93
CO <sub>2</sub> eq emissions - Total (scope 1+2+3: based on methodology of worldsteel, excluding slag credits) (6)	million tonnes	12.66	12.97
Carbon intensity in tonnes of CO <sub>2</sub> per tonne of crude steel	tonnes / tonne	1.85	1.86

<sup>3</sup> Primary Steelmaking, IJmuiden production site

<sup>4</sup> The CO<sub>2</sub> saved from the recycling of external steel scrap (i.e. steel products recovered at their end-of-life) is based on a calculation of the avoided emissions related to the making of an equivalent amount of iron from virgin ore via the blast furnace route.

<sup>5</sup> Direct emissions scope 1: formal and audited emissions according ETS.

<sup>6</sup> Total (scope 1+2+3): based on methodology of worldsteel, excluding credits for slag delivery to cement industry.

# KEY FIGURES

Number of hours training per employee:

**41.8**

Carbon intensity in tonnes of CO<sub>2</sub> per tonne of crude steel:

**1.86**



		NL FY 2016 / 2017	NL FY 2017 / 2018
<b>Resources, emissions and waste (3)</b>			
Dust (PM)	tonnes	1,888	1,906
	kg/tcs	0.28	0.27
NOx (oxides of nitrogen)	tonnes	5,536	5,778
	kg/tcs	0.81	0.81
SO <sub>2</sub> (sulphur dioxide)	tonnes	2,682	3,232
	kg/tcs	0.39	0.46
Mass emissions to water, hydrocarbons	tonnes	1	1
Mass emissions to water, suspended solids	tonnes	310	252
Mass emissions to water, COD	tonnes	652	582
Material re-used through our process (excluding scrap steel)	1,000 tonnes	1,251	1,142
Volume of by-products sold (excluding blast furnace slag)	1,000 tonnes	1,381	965
Slag to cement industry (i.e. blast furnace slag sales)	1,000 tonnes	1,263	1,365
Waste generated	1,000 tonnes	212	228
Waste - material reused, recycled by third parties	1,000 tonnes	164	187
Waste - material disposed to landfill	1,000 tonnes	40	35
Fresh water consumption	m <sup>3</sup> /tonne (cs)	4.64	4.75
	million m <sup>3</sup>	31.78	33.73
Environmental complaints	#	1,161	1,189

<sup>3</sup>. Primary Steelmaking, IJmuiden production site



Number of  
new hires:  
**718**

		NL FY 2016 / 2017	NL FY 2017 / 2018
<b>People (7)</b>			
Number of employees	#	8,847	9,138
Number of new hires	#	438	718
Number of new hires by gender	#M/#F	378/60	600/118
Number of retirements	#	229	220
Average age		47	47
Employees over the age of 50	#	4,661	4,415
Total turnover rate	%	4.3	4.5
Percentage of female employees	%	9.64	10.2
Percentage managers that are female	%	9.64	10.3
Man-days lost to labour disputes	#	0	0
Number of hours training per employee	#	26.7	41.8
Organisational Health Index (OHI) (8)		n/a	n/a
% of staff development appraisal	%	72.4	82.6

<sup>7</sup> This data reflects the 'Social Unit IJmuiden' and comprises of Tata Steel IJmuiden B.V., Tata Steel Nederland Services B.V. and Tata Steel Technology B.V.

<sup>8</sup> The Organisational Health Index (OHI) measures nine elements of organisational effectiveness through an employer survey. The survey is undertaken every 2-3 years. In 2014/15 Tata Steel scored 51."

<b>Community</b>			
Amount of money invested through community partnership programme:			
Partnerships: Health and Education (2)	£	99,015	105,000
Tata Kids of Steel (2)	£	8,200	18,000
Donations: health, education and environment (2)	£	76,000	75,000
Number of applications for financial or in-kind support received (3)	#	55	64
Number of applications for financial or in-kind support approved (3)	#	14	20
Number of youngsters attending Tata Kids of Steel events (3)	#	2,384	1,080
Number of Tata Kids of Steel events (3)	#	6	4

<sup>2</sup> Tata Steel Europe

<sup>3</sup> Primary Steelmaking, IJmuiden production site

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