



Steel

Driving forces

Steel is infinitely recyclable which provides opportunities for lowering production costs by reducing raw material inputs, energy use, and the overall emissions footprint. Some grades of high strength steel also offer opportunities for reducing energy consumption in the use phase by reducing the total amount of metal used (lightweighting). Primary production, however, continues to have significant environmental impacts as steel companies operate in a highly competitive environment subject to periodic overcapacity which restricts the pace of change. Blast furnace production of steel leads to significant direct GHG emissions and other environmental impacts using technology that is not expected to change significantly in the foreseeable future. Community concerns may also arise due to the presence of large production facilities that create excessive noise, air pollution, increased traffic, and negatively impact land and/or property rights. Furthermore, employee and contractor health & safety are critical indicators of operational excellence. Consequently, climate strategy and reducing air, water, and waste emissions remain high priorities for leading steel makers.

Highlighted criteria

- Economic Dimension**
 - Codes of Business Conduct
 - Corporate Governance
 - Supply Chain Management
- Environmental Dimension**
 - Climate Strategy
 - Operational Eco-Efficiency
 - Water Related Risks
- Social Dimension**
 - Occupational Health and Safety
 - Social Impacts on Communities
 - Talent Attraction & Retention

Sustainability leaders 2018

RobecoSAM Gold Class	
China Steel Corp	Taiwan
POSCO	South Korea
Tata Steel Ltd	India
RobecoSAM Silver Class	
Hyundai Steel Co	South Korea
Sustainability Yearbook Members	
JSW Steel Ltd*	India

* RobecoSAM Industry Mover

Industry statistics

Number of companies in universe	37
Number of companies assessed by RobecoSAM in 2017	26
Assessed companies to total companies in universe (%)	70
Market capitalization of assessed companies to total market capitalization (%)	81

Results at industry level

Dimension	Average score	Best score	Dimension weight
Economic	44	69	34%
Environmental	42	89	33%
Social	44	72	33%

Total score

