Solution for Offshore Oil and Gas

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NIPPON STEEL has various supply records of developing and supplying high-performance/ high-quality materials for offshore oil and gas development.

NIPPON STEEL group provides solutions based on the reliability and know-how that precisely matches the needs of the market.

Furthermore, we look to further contribute by leveraging the highest technological development capabilities in the world.

Número de Patentes Aplicadas Internacionales (2009 – 2013)

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<th>Area</th>
<th>MAX/CPR Type</th>
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Supply Record for TLP's

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Global Supply Network (Steel Plates, Pipes and Tubes, Spiral-weld Pipes)

Seamless pipe production capacity

Approx. 1.6 million tons per year

(N) million tons in Japan (plus 0.5 million tons overseas)

(Based on VSB at full-scale production)

Demonstration of Advanced Technology

Cost on R&D

(Fiscal Year 2010, JPY 0.1bn.)

Number of Applied International Patent

(2009 – 2013)
SAFETY & RELIABILITY

Severe Environment

Environmental Conservation/Chemical Substance Management

Efficiency Improvements

Shortening of Manufacturing Lead Times

Construction Efficiency Improvements

Energy Conservation/CO₂ Reductions

ARCTIC

Expansion of the development area

Resilience to low temperatures

Response to deeper environments/Increases in size

Weight reductions

Increase in loaded equipment

Decrease in shipping/installation costs

The power of Group to provide solutions that are a level above

NIPPON STEEL

Free from environmentally hazardous substances/Reduction in the use of rare metals

Reduced life-cycle costs

Reduction in the amount of nickel used

Grease free

Corrosion resistance/Arrestability/Fatigue resistance

Reduced life-cycle costs

Longer lasting

Reduced maintenance costs

Increased operation rate

Omission of unnecessary processes

Shortening of lead times

Increased efficiency

[Reduction in manufacturing costs]

[Increased welding efficiency]

[Increased heat input, reductions in residual heat]

Shortening heat treatment processes (materials)

Shortening of welding/inspection operations (fabrication)

Longer Lasting

Accumulation of experience/know-how/data

High-grade steel/Wealth of supply experience

ECO-FRIENDLY

SAFETY & RELIABILITY

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