

ENABLING SUSTAINABILITY THROUGH OUR VALUE CHAIN

Developing Sustainable Designs & Solutions

- Development of sustainable and environmentally-friendly solutions that reduce carbon footprint and minimise impact on the marine environment and biodiversity
- Energy and resource-efficient designs and engineering solutions that minimise use of natural and hazardous materials
- Support customers in developing Inventory of Hazardous Materials documentation

Ethical Sourcing & Responsible Procurement

- Sustainable and ethical sourcing in compliance with Sembcorp Marine codes of conduct and government regulations
- Procure and utilise materials that are environmentally friendly and from non-conflict sources
- Responsible service and manpower contracting

Solutions for Asset Repurposing, Product Revitalisation, Life Extension & End-of-Life Treatment

- Maximise value and extend service life of customers' existing assets through repairs, upgrades and conversions
- Prepare customers' marine and offshore assets for safe end-of-life treatment and recycling



Ensuring Sustainable Operations & Providing End-of-life Support

- Provide training and documentation for safe and sustainable product operation
- Provide after-sales support following delivery
- Offer technical support for end-of-life treatment and recycling

Integrating Quality, Health, Safety & Environment (QHSE)

- Integrate quality, health, safety and environmental standards into our value chain processes
- Ensure solutions fulfill regulatory requirements and classification standards

Operational Sustainability & Responsible Labour Practices

- Implement environmentally friendly operational processes that are enabled by Industry 4.0 technologies to enhance sustainability, reduce carbon footprint and minimise wastage
- Adopt fair and sustainable labour practices
- Create a diversified and inclusive work environment

Reducing Carbon Footprint of Towing Operations

- Low-carbon towing operations for environmental sustainability

Scan for more information on our value chain management



At Sembcorp Marine, we carefully and proactively manage each stage of the life-cycle of our products and solutions — from design and engineering to production and delivery — to mitigate our environmental, social and governance impacts. We use resources more efficiently by transforming a traditionally linear business process into a circular value chain through continuous innovation.

Sustainable products and solutions are conceptualised at the innovation and solutions development phase of our value chain. We incorporate sustainability and material circularity objectives into our product designs by adopting more efficient solutions and proactively managing hazardous materials. Similarly, during procurement, our teams source for sustainable materials and socially responsible service providers and contractors.

After final production, construction and commissioning, we transport and deliver the completed products with our low-carbon fleet and provide training and documentation support for customers to operate their assets in a safer and more resource-efficient manner. Through repair, upgrade and conversion projects, we give our customers' existing assets a second lease of life, thus contributing to their sustainability objectives. We also help our customers prepare their end-of-life assets for safe and efficient recycling and scrapping.

At each stage of our value chain, we uphold high standards of quality, health, safety and environmental compliance in all aspects of our operations.

OUR PROVEN CIRCULAR VALUE CHAIN SOLUTIONS

Repurposing Assets Through Conversion

We enable the repurposing of our customers' assets to maximise their life-cycle value.



Conversion of Floating Storage Regasification Units from LNG tankers



Conversion of Floating Storage Units from LNG carriers



Repair, life extension and conversion of Very Large Crude Carriers to Floating Production Storage and Offloading vessels

Asset Revitalisation, Life Extension & End-of-Life Treatment

We extend the life-cycle of a wide range of marine, offshore vessels and platforms. We also support our customers in their end-of-life asset management by preparing their marine and offshore assets for safer recycling and scrapping.



Overhaul, revitalisation and renewal of cruise ships



Longevity works to extend the service life of LNG carriers



Demucking works to treat vessels for safe recycling and scrapping