

INDUSTRY IN FOCUS:

MARINE

We supply shipyards, marine equipment builders and vessel OEMs with corrosion-resistant, precision-engineered fasteners, supported by managed inventory programmes and delivery phased to the build schedule.

Company Overview

100+

Years of
expertise

1,200+

Global
suppliers

1,500+

Global
customers

750

Members
serving globally

2.2 Bn

Parts supplied
annually

40K+

SKUs supplied
annually

365

Days a year
support

0

Defect
culture



APAC • Europe • UK

11 distribution facilities across 7 countries

Industry-Specific Equipment We Support

- **Hull, Structures and Outfitting**

- Hull and superstructure assemblies
- Deck equipment and fittings
- Hatch covers, watertight doors and closures
- Railings, ladders and walkway systems
- Interior outfitting and joinery systems
- Insulation and panel systems
- Piping and ducting

- **Propulsion and Machinery**

- Marine diesel and dual-fuel systems
- Gearboxes and transmission systems
- Propellers, shafts and stern gear
- Thrusters and waterjet systems
- Rudders and steering gear
- Cooling and heat exchange systems
- Exhaust, scrubber and aftertreatment systems

- **Deck Machinery and Onboard Systems**

- Winches, windlasses and capstans
- Cranes, davits and launch systems
- Mooring and anchor handling equipment
- Pumps and valve assemblies
- Ballast water treatment systems
- HVAC and refrigeration systems
- Hydraulic power packs and deck hydraulics

- **Electrical, Control and Automation**

- Switchboards and power distribution systems
- Cable routing, containment and penetration systems
- Control panels and bridge console systems
- Battery, hybrid and shore power systems
- Alarm, monitoring and instrumentation systems
- Lighting and signalling systems
- Antenna, radar and sensor mountings

Relevant Product Range

- **Structural and Heavy Bolting**

Foundation and chock bolts, engine-bed studs, tie rods, high-tensile structural bolts, anchors.

- **Fasteners and Threaded Products**

Hex bolts, flange bolts, carriage bolts, U-bolts, socket screws, set screws, studs, nuts, washers and threaded rods.

- **Engineered Specials**

Custom cold-forged and machined fasteners, turned parts, application-specific fasteners, make-to-print components and engineered assemblies.

- **C-Class Components**

Pins, circlips, bushes, bearings, rivets, rivet nuts, clips, clamps, grommets, cable management.

- **Corrosion-Resistant Materials and Finishes**

A4 and A2 stainless steel, duplex and super duplex, marine aluminium, silicon bronze, titanium, Monel®, polymers, hot-dip galvanising, zinc-nickel, zinc-flake.

- **Retention, Sealing and Vibration Control**

Locknuts, prevailing torque nuts, wedge-lock washers, retaining systems, thread-locking solutions, lockbolts, sealing washers, bonded seals, gaskets, seals, O-rings, anti-vibration components and mechanical retention products.

Case Study

A ship and dock equipment manufacturer operating in the Asia Pacific region required a fastener supplier capable of meeting the demanding quality and compliance requirements of modern shipbuilding while supporting high-volume production.

Optimas International engineers developed a solution focused on improving quality, increasing supply chain resilience and streamlining order execution through three coordinated initiatives:

- Dedicated, forecast-driven inventory programme to reduce lead times and provide flexibility to respond to changes in demand.
- Strengthened quality controls through enhanced inspection procedures.
- Streamlined order execution to create a reliable supply chain.

40%

Reduction in lead time

30%

Shorter order-processing cycle

Marine Environment Capabilities

Sealing and Watertight Integrity

Bonded seals, thread sealants and gasket solutions for weather-deck and below-waterline joints.

Vibration and Shock Resistance

Locking solutions engineered to hold under continuous machinery vibration and shock loading.

Proven Corrosion Resistance

Coating and material systems, validated against recognised salt-spray and cyclic corrosion standards with material pairing and isolation guidance to limit galvanic corrosion.

Marine Supply Chain Assurance

- Inventory management, kitting, Vendor Managed Inventory (VMI) and production line replenishment.

- Supplier qualification and performance management for OEM and marine equipment supply chains.

- Secure handling of customer drawings, specifications and technical data.

- Certificates of Conformity and material certification.

- Supply continuity and forward planning for long-lead alloys and coated items across programmes.

- Complete sample testing and certification, enabling a seamless transition to series production.

- Customer-specific compliance support, sustainability requirements and regulatory documentation.

- Supplier consolidation and risk reduction across fastener and C-class component BOM.

- Quality documentation, inspection support and first article inspection.

- Batch and lot traceability for critical marine parts and assemblies.

Key Account Growth

Off-Highway OEM

35+ years of partnership

- Accounts grown by 15x
- SKUs increased by 275%
- Net sales increased over 10x

Power Generation OEM

30+ years of partnership

- Facilities grown by 11x
- SKUs increased by 1,100%
- Net sales increased over 23x

Value-Added Services

• Global Presence, Local Support:

We help customers maintain consistency, reliability and speed across their operations through our global and local expertise.

• Supply Chain Risk Mitigation:

We empower supply chains through strategic sourcing, strong supplier networks and proactive planning.

• Bespoke Engineering:

Our expertise enables us to deliver fastening solutions tailored to meet specific manufacturing requirements.

• Smart BOM Management:

By improving standardisation, reducing complexity and cost, we simplify BOM management, supported by OptiSpec®.

• OptiTech® - Smart Inventory Solutions:

Using tech-enabled VMI programmes and real-time visibility tools, we help customers streamline operations, improve forecast accuracy, automate replenishment and maintain reliable stock levels.

Why We Do What We Do

Optimas International combines advanced engineering expertise, inventory management systems and global sourcing to simplify complex supply chains. We deliver scalable solutions that reduce total cost of acquisition and drive long-term value for our customers. In today's complex business environment, companies need a partner that mitigates risk and supports sustainable growth. We do this by:

Making Every Connection Count.

