

INDUSTRY IN FOCUS:

POWER AND ENERGY

We provide high-performance fasteners, C-class components and engineered solutions supporting power generation, energy infrastructure and critical systems.

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

- **Generation Equipment**
 - Gas turbines and turbine auxiliary equipment
 - Steam turbines, generators and alternators
 - Wind turbines
 - Solar mounting and tracking systems
 - Hydroelectric turbines and generators
 - Reciprocating engines and generator sets
- **Electrical, Storage and Hydrogen Storage**
 - Transformers and switchgear
 - Circuit breakers and reclosers
 - Overhead line and cable systems
 - Substation structures and busbar systems
 - Grid-scale battery storage systems
 - Electrolysers, fuel cells and hydrogen system assemblies
- **Plant and Auxiliary Systems**
 - Boilers and heat recovery steam generators
 - Cooling towers, condensers and heat exchangers
 - Pumps, compressors and fans
 - Pipework, valve and manifold systems
 - Emissions control and exhaust systems
 - HVAC, lubrication and fluid handling systems
- **Enclosures, Structures and Access**
 - Acoustic canopies and weatherproof enclosures
 - Skids, frames and baseplates
 - Control cabinets and instrument enclosures
 - Walkways, handrails, grating and guarding
 - Cable management and containment systems
 - Foundations, anchor systems and support structures

Case Study

We partnered with a global power generation Tier 1 supplier to support its manufacturing footprint across, the UK, Europe and Asia, providing fastener and C-class component supply chain support, fastener engineering expertise and vendor-managed inventory solutions.

10K+ | Annual SKUs supplied globally

+30 | Years of partnership

€9.2M | VA/VE cost savings approved over the last 3 years

Relevant Product Range

- **Rotating Equipment and Hot Section**

Cylinder head bolts, connecting rod bolts, main bearing cap bolts, flywheel and coupling bolts, casing and housing bolting, dowel and location pins, exhaust manifold and V-band clamps, heat-resistant washers, thermal barrier components, anti-seize compounds.
- **Enclosure, Structure and Mounting**

Hex bolts, flange bolts, structural bolts, carriage bolts, U-bolts, socket screws, set screws, threaded rod, nuts and washers, weld studs and weld nuts, self-tapping screws, captive panel fasteners, rivets and rivet nuts, threaded inserts, anchor bolts, lifting eyes, anti-vibration mounts, springs, brackets, shims.
- **Engineered Specials**

Custom cold-forged and machined fasteners, turned parts, make-to-print components, precision-machined parts, plastic parts, engineered assemblies.
- **Renewable and Energy Transition Applications**

Nacelle internals, converter and cabinet hardware, solar mounting and enclosure hardware, BESS module and rack hardware, hydrogen electrolyser and fuel cell components.
- **Generator, Electrical and Controls**

Busbar and terminal hardware, disc springs and washers, terminal lugs, earth bonding hardware, serrated flange nuts, low-permeability fasteners, insulating and dielectric components, cable glands, self-clinching studs and standoffs, PCB and module hardware.
- **Materials and Finishes**

Carbon and alloy steels (8.8 to 12.9), 316/316L stainless steel, nickel alloys (Inconel®, Nimonic®), aluminium, titanium, copper alloys, engineered polymers; zinc-nickel, zinc-flake, Geomet®, hot-dip galvanising, tin/silver plating, anti-galling finishes.
- **Retention and Vibration Control**

Locknuts, prevailing torque nuts, wedge-lock washers, lockbolts, thread-locking solutions, circlips, retaining rings, clevis and spring pins, spacers, bushes, clips, cable ties, grommets.
- **Fuel, Fluid and Cooling Systems**

Hose clamps, P-clips and cushioned clamps, banjo bolts, tube fittings, drain and blanking plugs, sealing plugs, sealing washers, bonded seals, gaskets, O-rings, thread sealants.

Power and Energy Supply Chain Assurance

- Batch and lot traceability for critical components and electrical components.
- Application engineering support on joint design, material and coating selection.
- Secure handling of customer drawings, specifications and technical data.
- Certificates of Conformity and material certification to recognised industry standards.
- Supply continuity and obsolescence management for legacy and current power and energy equipment.
- Supplier qualification, performance management and consolidation to reduce risk across OEM and energy equipment across supply chains.
- Quality documentation, inspection support and first article inspection where applicable.
- Global sourcing and logistics support to improve availability and reduce lead times.
- Value engineering and part rationalisation to reduce total acquisition cost.
- Inventory management, kitting, Vendor Managed Inventory (VMI) and production line replenishment.
- Customer-specific compliance support, sustainability requirements and regulatory documentation where applicable.
- In-house testing including torque-tension and coefficient of friction, salt spray, hardness, metallurgical verification and transverse vibration testing.

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:

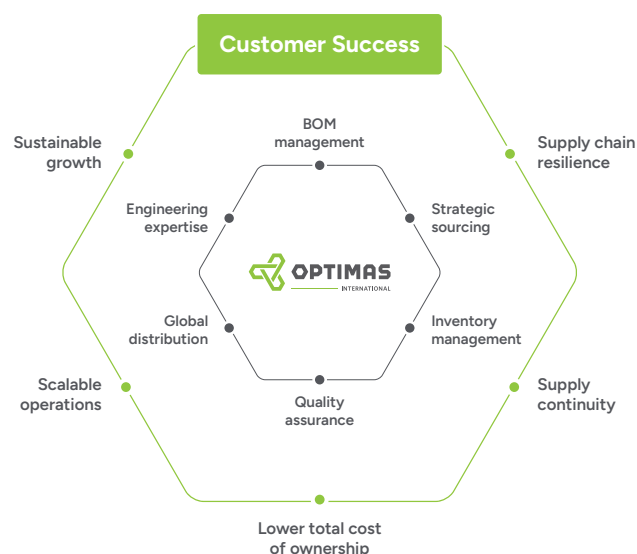
By improving standardisation, reducing complexity and cost, we simplify BOM management, supported by OptiSpec®.

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.

