



Partner of the energy technology industry –  
expertise unites!

**BÖLLHOFF**













# Purchasing and logistics



## Customer benefits at a glance

- Optimised internal processes
- Reduced number of suppliers
- Re-assignment of planning, scheduling and procurement
- Reduced administrative effort
- Reduced stock, storage area and capital commitment
- 100 % readiness to deliver
- Standardised and optimised C-parts

Quality and security of supply – these are the main challenges in energy technology. Whether it is about the further development of existing or the development of entirely new technologies and procedures: Energy technology manufacturers are under a great continuous pressure to achieve constant innovation while the demand for energy technology products is increasing worldwide. This requires an optimisation of material and of information flow. Fastener supply systems simplify processes, minimise stocks, avoid supply shortages and reduce costs.

In that process, the smooth supply of assembly lines is an important prerequisite. Even one missing or faulty fastener can result in a production standstill.

Under the name of ECOSIT® (Economic Supply in Time) Böllhoff has established a supply and stocking system – for added efficiency and cost effectiveness. Böllhoff manages the entire supply chain for its customers: material planning, procurement, quality assurance, storage and the internal distribution of goods, right through to the production and maintenance

area. ECOSIT® supports sustainable reliable and simplified processes in the energy technology industry – by reducing the number of suppliers and ensuring 100 % supply capability.



### ECOSIT® MultiBin System

With the ECOSIT® procurement system, Böllhoff regularly supplies the numerous unloading points in the customer's production with most different DIN parts, parts as per drawing, fastening technologies of our own production as well as with other C-parts. In practice, the customer's process costs are considerably reduced.

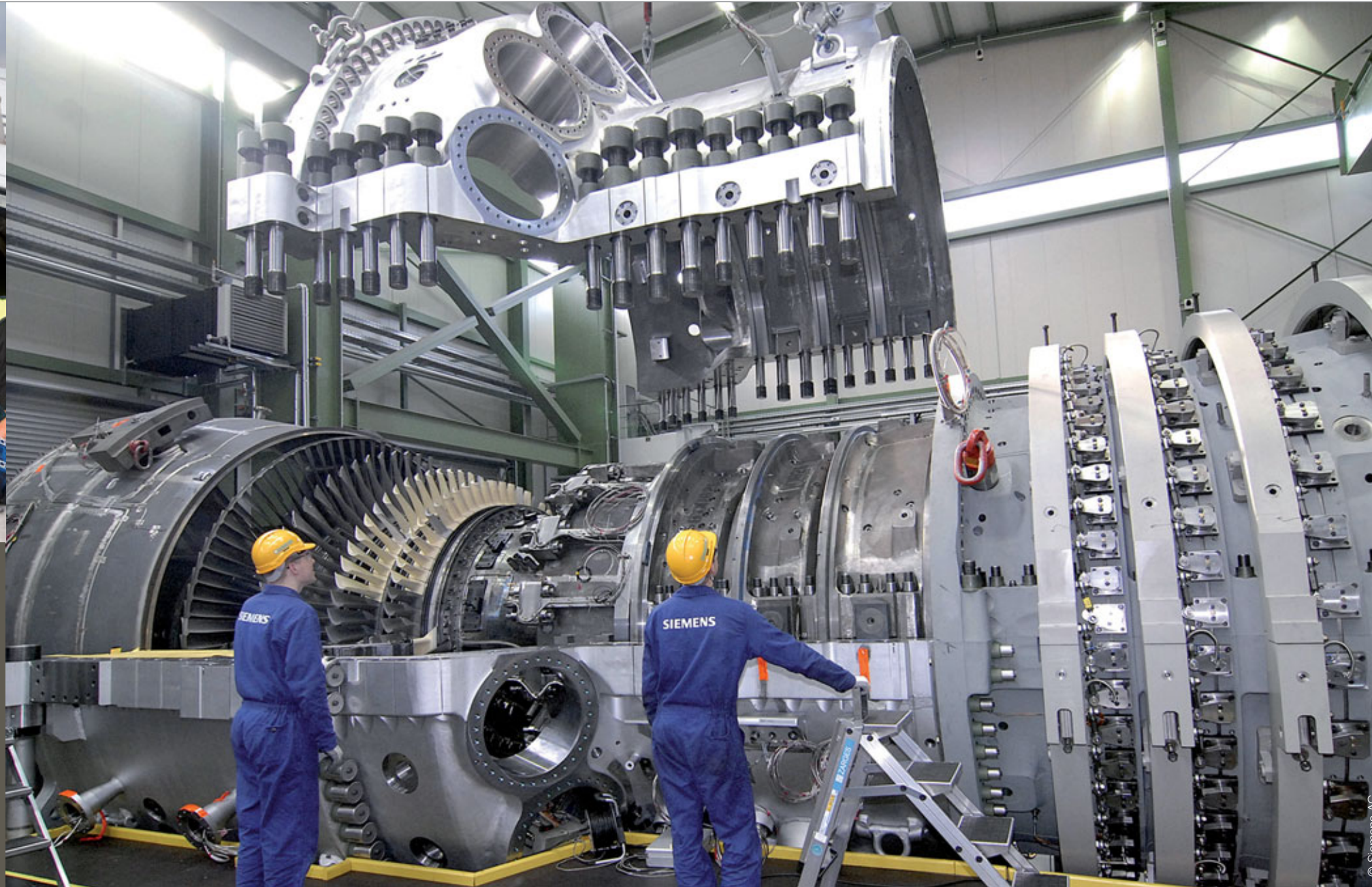
### ECOSIT® SmartBin® System

One of the Böllhoff supply systems is provided with "SmartBin® technology". The items to be stored and managed are filled into containers and boxes at the customer's premises. Each of these boxes is placed on electronic scales which serve as a weight detector. Every day, Böllhoff checks their weight online and thus ascertains the current on-site stock. As soon as the calculated stock

in a box drops below the defined replacement limit, the items are automatically ordered and supplied. With SmartBin®, customers have reduced storage area, storage costs as well as procurement costs and moreover benefit from the multiple evaluation options.



# Production and assembly



## Customer benefits at a glance

- Reduced production and assembly times
- Profound knowledge of the energy technology industry
- Recognised production planning know-how
- High level of development expertise
- Wide product range
- Customer-specific solutions

Suppliers make a great contribution to the added value of energy technology products. Since energy technology is quite complex and versatile, cross-company cooperation is required. New business models and convergences in the fields of energy production and supply are going to have a considerable impact on cooperation in the energy technology sector. For the coordination of tasks based on the division of labour, modern electronic media are becoming increasingly important for communication and security of supply.

Böllhoff's flexibility and innovative strength are reflected in its wide range of fastening and assembly products for the production of the energy technology industry: screws, nuts, thread inserts, quick-release fasteners, rivets, standard and custom-made parts in all required sizes and materials. All fasteners and their processing systems are carefully coordinated.

Production and modernisation processes can also be optimised with Böllhoff's innovative screw and joining systems.



### RIPP LOCK® locking screws

RIPP LOCK® is a reliable screw lock – even under extreme vibration or dynamic stress. The lock washer has radial ribs on both sides which form-closelyly emboss in the counter-surface and in the underside of the screw head when the screw or nut is installed so as to avoid self-unscrewing.

### HELICOIL® tangfree

The new HELICOIL® tangfree thread insert is installed without tang so that tang break-off or removal are not required. This even allows installation on both sides of the thread insert without a specific orientation. HELICOIL® tangfree is characterised by high wear resistance as well as corrosion and heat resistance.

### UNIQUICK®

Screw fastening, feeding and separation of fasteners. Screw driving systems and hand-held devices of the UNIQUICK® series ensure maximum precision and process reliability for the installation. From the handy telescopic screwdriver to the special multi-screw driving unit – we adapt our products and services to your supply chain and precisely implement your individual assembly requirements.



# Quality and internationalism



## Customer benefits at a glance

- Certified quality management according to ISO/TS 16949:2002
- Certified environmental management according to DIN EN ISO 14001
- In-house certified testing laboratory according to DIN EN ISO/IEC 17025
- Successful cooperation with leading manufacturers of energy technology
- Cross-national presence

The Böllhoff quality management is certified according to ISO/TS 16949:2002. This means a strict orientation toward the zero-defect philosophy: Continuous improvement is a constant process.

Apart from that, for more than 130 years, the Böllhoff Group has proven to be a flexible and fast-working independent family business. This independence will also in the future be the pacemaker for the further development of the company. Experience creates trust. Values create connections – Joining together!

Böllhoff is one of the leading international service providers of fastening and assembly technology. The headquarters of this family business, with four generations of history, is located in Bielefeld, Germany. Böllhoff is a worldwide operating company with over 2000 employees and a network of companies and representatives on every continent.



Wilhelm A. Böllhoff

Michael W. Böllhoff

### Quality assurance for the energy technology industry

At Böllhoff, quality starts with the fasteners which fulfil the high requirements of energy technology for safety and functionality through comprehensive quality processes. Our customers' requirements are our motivation to continuously improve all processes day by day.

### The central pillars of the Böllhoff quality management

- Comprehensive certifications
- Multi-level evaluation processes for new suppliers
- Comprehensive supplier and purchase management
- Long-term partnerships with suppliers
- Safe production due to preventive QM planning for products and processes

### Energy technology international

To manufacturers of energy technology as well as to their suppliers, to be a successful global actor means to efficiently use all available resources. With Böllhoff as a partner, numerous international production facilities of energy technology manufacturers are optimally supplied with a comprehensive range of products and services – worldwide! The maxim for all processes is: Think global, act local!



**Böllhoff International with companies in:**



Argentina  
Austria  
Brazil  
Canada  
China  
Czech Republic  
France  
Germany  
Hungary  
India  
Italy  
Japan  
Mexico  
Poland  
Romania  
Russia  
Slovakia  
Spain  
Turkey  
United Kingdom  
USA

Apart from these 21 countries, Böllhoff supports its international customers in other important industrial markets in close partnership with agents and dealers.

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