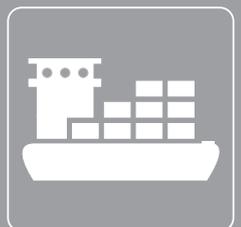
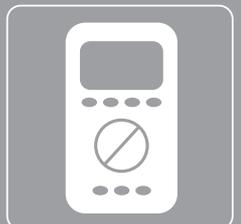




Products & Services





Industry components & solutions

Designers, manufacturers & suppliers of relays, instrumentation and electronic control solutions for demanding industries.

Wabtec Netherlands is serving proven reliable high quality products for the industry market with the Mors Smitt, RMS Mors Smitt and Nieaf-Smitt brands.

Serving Safety

We highly value our customers and put service first. We are committed to quality excellence to create reliable products and services, serving the stringent reliability, availability, maintainability, safety, health and environmental demands from our customers. This commitment will result in lower life-cycle-cost.

Wabtec Netherlands is a trusted partner in your supply chain.

World wide availability of products is assured by a network of professional, trained and dedicated subsidiaries, distributors and agents offering local service and support.

Approvals

Our products are used around the globe. Besides product specific testing and certification the products are also approved, certified and in use by many utilities.

Our global network of regional sales offices can support in complying utility specific demands and obtaining utility approval.

All is designed, tested and manufactured in compliance with the strictest international standards and always with reliability and safety in of mind.



Wabtec Netherlands is part of Wabtec Corporation. A global provider of value-added, technology-based products and services for railway, transit, freight and other industrial markets, with facilities world wide.



Power Utility

Economic growth in developing countries, search for environmental friendly power generation and fail safe operations are pushing the sector's ongoing upgrading, modernization and technical refinement.

This is the world in which Wabtec Netherlands has invested best efforts, parts and components that work unquestioningly, offer a long effective life and result in low lifecycle cost.



Maritime Instruments

World wide international trade and offshore oil and wind park sectors push the shipbuilding industry.

Reliable navigation supports shipping companies to maintain their delivery deadlines.

Wabtec Netherlands offers a comprehensive range of navigation instruments according MED-Marine Equipment Directive.

Heavy Industry



The heavy industry world is characterized by a tough and uncompromising working environment.



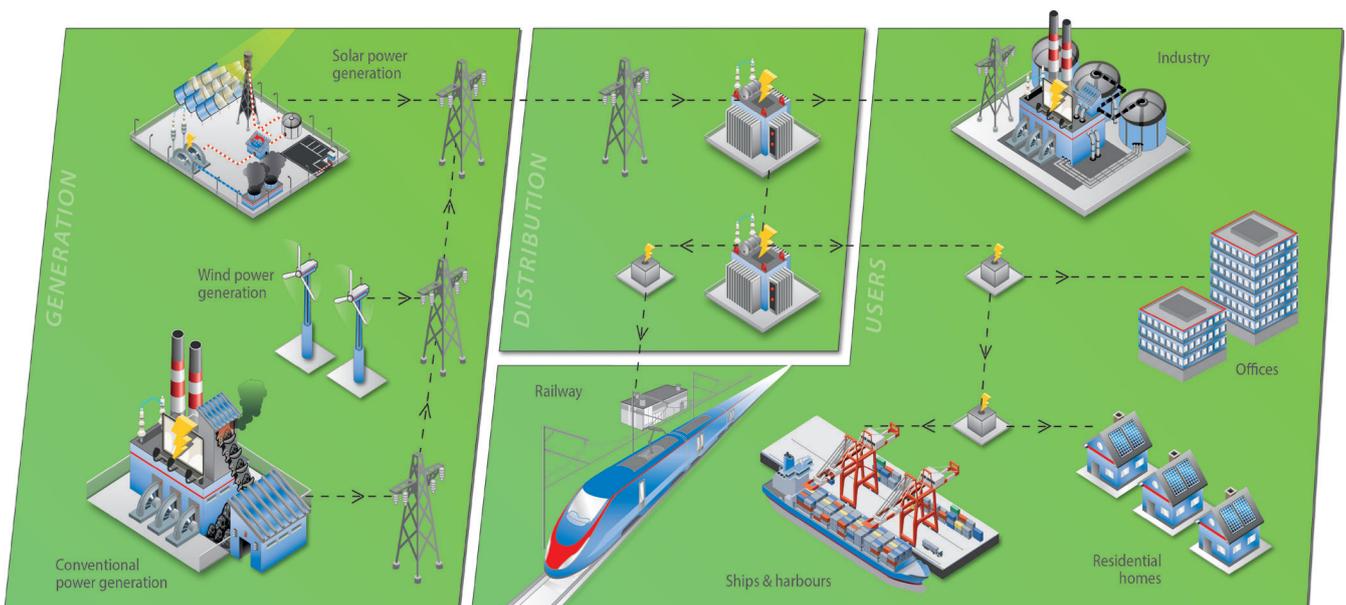
Constant vibrations, dust, temperature and humidity variations and electric disturbances mean that components must work under harsh conditions, putting heavy demands on their reliability.

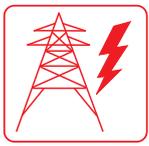
Wabtec Netherlands developed the D-relays "Solve-all" concept, under the 'Mors Smitt' brand.

Portable Instruments

Marked with the 'Nieaf-Smitt' brand offers Wabtec Netherlands portable instruments

Supporting the electrical installation sector's demand for easy to use test & measuring instruments supporting their daily operations in low voltage electrical installations and maintenance.





Relays for protection & controls systems

Millions of relays used daily for power utility protection and control applications.

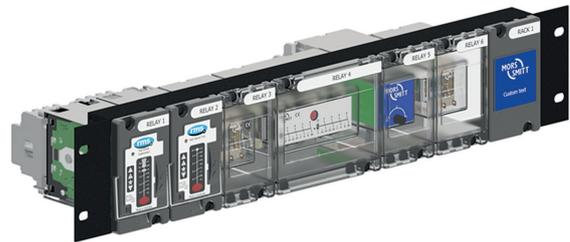
Mors Smitt is a total supplier supporting the power industry by combining electro-mechanical know-how and state-of-the-art electronics in ultra-reliable products.

- Auxiliary, trip & supervision relays
- Test block & plug systems
- Protection relays
- Arc flash monitoring
- Plug-in power relays
- General purpose relays

Modular Auxiliary Relay Systems

The Delta-Flex system provides a flexible and cost effective method to mount and wire a wide range of performance auxiliary relays.

- 2U high 19-inch rack or flush mounting
- Wide range of auxiliary relay functions
- Specify components or complete sub-rack system
- M4 screw terminals suitable for ring lugs
- Integrated front panel covers
- Custom panel labelling



Auxiliary, trip and supervision relays

New generation of high performance auxiliary, trip and supervision relays with up to 12 contacts.

Designed for high voltage protection and control applications, Multi-contact high-speed trip relays ensure fast and reliable operation. Modular draw-out case suitable for both flush panel & 19"rack mounting.



Arc Fault Monitor

The arc fault protection system provides an extensive range of high speed protection devices for the optical detection of insulation break-down in air insulated metal clad switchgear and bus bar systems.



More information available on our website

www.morssmitt.com/rms





Electromechanical relays

World's widest relay range, compliant to the strictest international industrial standards. Our wide relay portfolio is focused on markets sectors like; power generation & distribution, oil & gas industry, factory automation, petro-chemical & water treatment plants and key figures.

- 10 million in use world wide
- Wide range of panel or surface mount sockets/bases
- Proven safety validation in critical applications
- Galvanic separation of control and power circuits
- Insensitive to electromagnetic disturbances (EMI/EMP)
- Proven reliable and low Life-Cycle-Cost (LCC)
- Fail-safe hard wired relay logic (cyber attack proof)

General purpose relays

Our high quality general purpose relays are applied mainly in industrial and power automation systems, in signalling and protection systems, and in other control and electric drive systems.

Suitable for more common controlling applications like building automation or HVAC systems.

Relays are either pin-to-pin compatible to global industry standards or suitable for 35 mm rail mounting.

- Instantaneous relays
- Latching relays
- Measuring & monitoring relays
- Timer relays
- Sockets & accessories



Industrial plug-in power relays

The unique D-relays power relay concept and miniature C-relays are specifically designed for heavy duty applications in power-utilities oil & gas industries and mining. High DC breaking capacity and inductive load switching offer long electrical life and low life cycle costs.

The Solve-All™ relay application concept offers ultimate flexibility to design and supply tailor made D-relays power products. Today the D-relays power are used in its millions across the world.

- Instantaneous relays
- High speed tripping relays
- Latching/bi-stable relays
- Timer relays
- Measuring & monitoring relays
- Pulse transducing relays
- Relay sockets & accessories



Engineered solutions

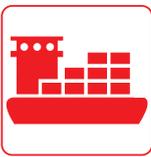
New built, retrofit or replacement of obsolete parts, Mors Smitt delivers a perfect, competitive and on-time solution for any challenge of space limitations and / or technical requirements.



More information available on our website

www.morssmitt.com/heavy-industry





Bridge (wing) instruments for maritime applications

Keyword for our production and R&D is flexibility. All instruments are produced on customer request and built on order.

We primarily produce navigation instruments for bridge, bridge wing and control room installation. For example for speed, RPM, rate of turn, and pitch. Especially rudder indication is a very important application.

Coming from traditional electro-mechanical technology, the latest developments in maritime instrumentation are based on processor controlled stepper motor technology and digital communication (bus). Offering ultimate flexibility in terms of interfacing with 'the outside world'.



Nieaf-Smitt maritime instruments are designed, engineered and manufactured for bridge, bridge-wing and control/rudder room applications on board of ships.

Prime applications such as propulsion, steering and navigation are covered with a wide range of dedicated products.

All are made to the strictest prevailing standards and carry type approval and MED certification for applications such as speed, RPM, rudder angle, pitch and rate of turn.



RAI - Rudder Angle Indication system

The Nieaf-Smitt rudder angle indication system is characterized by a diversity of indicators, in size, scales, and protection grades. The 3-face panoramic indicator and outdoor indicators according Panama Canal regulations.

The system is completed by a signal calibration box and rudder angle transmitter, offering seamless adjustment to the ship, for up to 10 indicators.

- 3-face panoramic ceiling mount indicators
- Rudder angle indicators for indoor use, in different dimensions & scales
- Rudder angle indicators for outdoor use (IP66), in different dimensions & scales
- Waterproof stainless steel outdoor indicators housings, IP66
- Scale illumination dimmers
- Signal calibration box for seamless adjustment
- Rudder angle transmitter



More information available on our website

www.morssmitt.com/maritime





Portable test & measuring equipment

A wide range of high quality portable test & measuring equipment to support basic 'every-day' testing and guarantee fail-safe operations of low-voltage electrical installations.



Test instruments

User friendly portable testers to support 'every-day' testing and checking of low-voltage electrical installations

- Test tools / 2-pole voltage testers
- Environmeters
- Multimeters
- Current clamps
- Earth leakage clamp
- Current clamp adapters



Measuring instruments

Dedicated measuring instruments to guarantee check and guarantee fail-safe operations of electrical appliances and low-voltage electrical installations.

- Solar testers
- Installation testers
- Power Analysers
- Portable appliance testers



Calibration & Repair Services

Wabtec Netherlands has a professional calibration and repair center, meeting the ISO 9001 and 14001 standards. The department is run by experienced technicians and provide an rapid and accurate service.

Over the years Mors Smitt has gained much know-how in this field, resulting in optimizing our support and services.

All electrical measurement equipment can be calibrated and repaired (e.g multimeters, current clamps, temperature meters, installation testers, power meters, safety testers, etc.).

We offer calibration services for all Mors Smitt portable test & measuring equipment as well as other brands.



More information available on our website:

www.morssmitt.com/test-measurement





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