

# PREMIUM BRANDS IN MARINE EQUIPMENT

CABLE TRANSITS | MARINE LIGHTING | ONBOARD COMMUNICATION | SEARCHLIGHTS | STRAIGHTLINE WINDOW WIPERS |  
MOBILE COMMUNICATION | FIREFIGHTING SYSTEMS | NAVIGATION LIGHTS | POWER SUPPLIES | WATERMAKERS | FIRE DETECTION | LOUDSPEAKERS |  
FUEL MONITORING SYSTEMS | MARINE HEATERS | EMERGENCY TELEGRAPHS | SIGNALLING COLUMNS



## THEUNISSEN TECHNICAL TRADING BRANDS



### LIGHTING ON BOARD

Technical | Navigation | EX | LED assortment | Floodlights



### PIPE- AND CABLE TRANSITS

Water- and gastight | EMC | ATEX



### COMMUNICATION ON BOARD

Telephone | Intercom | PA | GA | EX | Wireless



### ELTEK POWER CONVERSION

UPS | Rectifiers | Inverters | Battery banks



### FIRE DETECTION

Complete systems | Conventional | Adressable



### REVERSE OSMOSIS WATERMAKERS

650 - 1.200.000L a day



### SEARCHLIGHTS

Halogen | Xenon | LED



### SINGLE PIPE- AND CABLE TRANSITS

ASTM | DIN | DH-AP | PVC



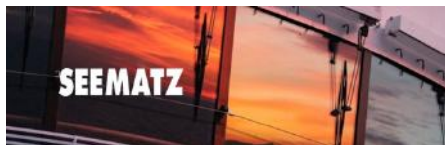
### LOUDSPEAKERS

Horn | Cabinet | Music | Ceiling | Projector | Voice Alarm | Clean Room | EN54-24 | EX



### SIGNAL COLUMNS

Configurable as desired



### WINDOW WIPERS

straightline wipers, custom sizes



### EMERGENCY TELEGRAPHS

two wire based



### MARINE HEATERS

Elektrical | IP44 | 250-2000W



### FUEL MANAGEMENT

Bunker management systems

## INDEX

### Theunissen Technical Trading

General company info	1
Service department	2
Warehouse	3

### Represented product groups

Marine lighting	4
Cable- and pipe transits	5/6
Communication	7
Power supplies	8
Fire detection	9
Searchlights	10
Window wipers	10
Watermakers	11
Loudspeakers	12
Emergency telegraphs	13
Electric heaters	14
Signalling columns	15

### References

Selection of reference projects	18
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## THEUNISSEN TECHNICAL TRADING

### Premium brands in marine equipment

Theunissen Technical Trading BV (TTT) in Malden supplies exclusive products for shipping, offshore and industry. TTT is a supplier for those industries in which people depend to a high degree on reliable and sustainable technical support. We are set up as a company to provide you with the support you require at any time. Of course, we do this with our high-quality products, but also with excellent personal service and effective technical support. We have our own service department ready for you 24 hours a day.

Our products and systems are the tangible assets of our proposition form an important basis. Our product range exceeds the set technical requirements. In our package you will find very reputable brands that represent the top within the relevant market segment.

The Executive Board has been exercised since 1998 by Drs. H.G.J. Volmerink and Mw. B.W.M. Volmerink-Theunissen BA.

TTT bases its operations on three elements:

- High quality assortment brands
- (Technical) competent and experienced people
- Large stocks

We work from the following core values:

- Customer-oriented
- Reliable
- Personal
- Sustainable



Customer-oriented



Reliable



Personal



Sustainable

## SERVICE DEPARTMENT OF TTT

Service is of course a broad concept. Our enthusiastic team of about 20 employees is primarily focused on helping you, our client, as well as possible. Customer focus is at the top of Theunissen Technical Trading BV (TTT). In addition to expert advice, calculation work, product delivery and technical project guidance, you can contact TTT for system upgrading and repair.

### **Repair, system upgrading and conversion**

Since its foundation, TTT has been providing service to its products and installations, both on board and in her own workshop. Our service department currently has two full time service engineers and three flexibly deployable employees. Daily commissioning, repairs and inspections take place on board ships. Although the focus of the work area is on Northern Europe, service jobs are also regularly performed worldwide.

In addition to repairs, TTT performs complete conversion of specific onboard systems. For example, it is possible to exchange the complete internal telephone system in one day, once the wishes and possibilities have been aligned with the owner. Other systems, such as fire detection systems, searchlights or windscreen wipers, can also be exchanged or upgraded on board under certain conditions.





## WAREHOUSE

For those products for which it is important, we have a large stock of all standard products in Heumen as well as a large stock of spare items. All these items can be shipped from stock within 24 hours.

We regularly check our stocks for turnover rates, in order to optimally match the stock levels to market needs. The current stocks can be found per product in the webshop at [tttbv.com](http://tttbv.com). We can also hold temporary or specific stocks in consultation with our customers.

## LIGHTING



GLOBAL MARINE & OFFSHORE  
LIGHTING SOLUTIONS

Glamox Aqua Signal designs and manufactures high quality luminaires for marine applications since 1868. Over the decades, Glamox Aqua Signal grew to be the world's leading enterprise in this field. With a strong global network and a range of popular lighting brands, Glamox can fulfill all maritime lighting requirements, including interior lighting, floodlights and searchlights, explosion-proof luminaires and navigation lights. Glamox is setting the standard for marine and offshore lighting with our innovative and energy efficient solutions for extreme applications. The lighting solutions from Glamox are suitable for many applications in all kind of ships, such as dredgers, offshore vessels, yachts and cruise ships or on offshore platforms.



en/Downloads

## CABLE TRANSITS

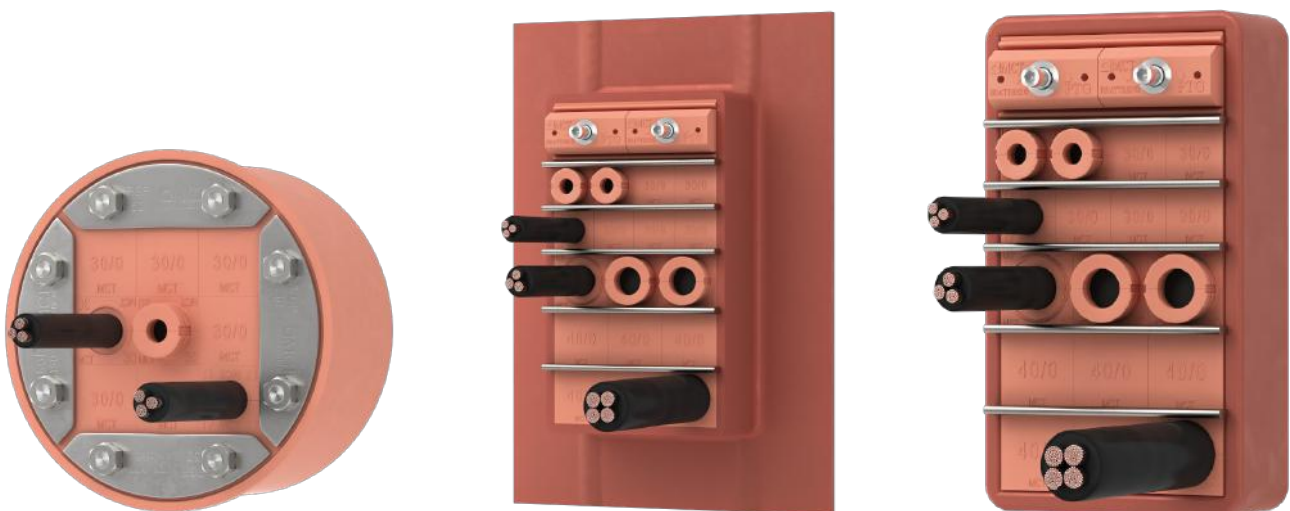


MCT Brattberg is the founder of high-quality, modular cable and pipe transit systems. Originally designed for shipyards and industry, today also widely used in land-based projects and applications. The MCT products are available in many different sizes and materials, for every kind of application. The possibility of custom made frames or products in combination with the modular characteristics make a very reliable transit system for at least 25 years.

Some important features MCT Brattberg:

- Pre-lubricated blocks (time-saving and safe)
- Verifiable (diameter coding, fixed size per cable)
- Flexible (variable blocks, U blocks, open transits, etc.)
- Waterproof (tested up to 5 bar)
- Gas-tight
- Fire retardant (A60, H120)
- Explosion proof (tested at TNO up to 27 bar)

From a very large part of the assortment we hold large stocks in the Netherlands.





## PSI SEALING PLUGS



The PSI sealing system is the ideal sealing system for single pipes or tubes. The seal consists of two equal, half round rubber parts. The sealing system has four application areas: PVC pipes, steel casing tubes (DIN and ASTM) and standard drill holes and aluminum pipes. Depending on the chosen rubber quality of the PSI plug, a gastight, watertight and/or fire resistant sealing is created.

- 60 minutes fire resistant (Lloyd's Register)
- Successfully tested up to 3 bar pressure resistance (Lloyd's Register)
- Suitable for PVC tube, casing tubes (DIN and ASTM) and in boreholes
- Resistant to gas, water and pressure
- Large range of sizes available
- No specific tools required for assembly

For the full range of PSI Sealing plugs: [www.psisealing.com](http://www.psisealing.com)



## COMMUNICATION



Theunissen Technical Trading BV (TTT) provides various systems for onboard communication: (IP) telephony, infotainment & entertainment, broadcasting, intercom, talk back, sound-powered emergency telephone systems, paging, cordless telephony, master clock systems, etc. The systems can both be linked to a local network and to external systems, such as satcom, GSM or walllines.

Zenitel Marine, since 1984 represented by TTT in the Benelux, is a supplier of complete communications systems for the shipping and offshore industries. The Zenitel brands Vingtor and Steenhans are well known internationally in these industries. Since 2018, Zenitel Marine has also taken over the Phontech brand and Phontech products are sold under the Zenitel name. The benefits of Phontech's products are mainly visible in the replacement market, where Phontech's two-wire products can eliminate the need for cabling replacement.

SeaTeleCom is an economically priced range of telephone and public address equipment developed by TTT. The systems comply with all basic conditions for internal communication on board ships. All peripheral equipment is also available to ensure a system that can cover the entire ship.

Numerous components are available from stock.



## POWER SUPPLIES (AC AND DC)



Eltek is a worldwide operating specialist in critical, state-of-the-art power supply and conversion, providing both loose components and complete integrated systems.

Eltek develops and supplies power systems and products, based on leading technology in the power conversion market. An innovative and sustainable range of efficient, flexible and affordable converters and rectifiers form the heart of Eltek's products. Apart from that, Eltek designs, develops and builds complex custom solutions as well as embedded system solutions.

An integrated DC network provides a simplified system, resulting in a highly stable network on board with minimum power loss, continuous monitoring and redundancy for power supply of all connected systems. Also significant savings in the required amount of cable are possible.



## FIRE DETECTION



Since 1999, TTT is supplying fire and gas detection systems for the Dutch market. Over the years, there have been several changes in brand and manufacturer, whose acquisition of Eltek Fire & Safety by Consilium is the latest. Due to the changes, knowledge of both existing and old systems of various brands are present at TTT. Our sales and field engineers have an expertise in the following systems and brands:

- Consilium | Salwico (service and spare parts)
- Eltek Fire & Safety | Delta (service and spare parts)
- Servoteknikk (service)
- Esser (spare parts)
- Hekatron (spare parts)



Since 2012, TTT became the distributor of Consilium fire detection. The service Theunissen have a lot of experience with Consilium systems. also with the older systems like the CS4000. The latest platform offered by Consilium, the CCP, not only represents the latest technological possibilities within fire detection, but also has been carefully designed to allow for backward compatibility, both with previous Consilium systems and former Servoteknikk and Eltek systems.



## SEARCHLIGHTS

# SEEMATZ

The brand Seematz is part of Pesch GmbH, an innovative production company that exists since 1970. The company is specialized in the production of sturdy searchlights. The many years of experience with the Seematz searchlights were taken into account while developing straight line window wipers. Today, with more than 45 years of experience gained in the maritime sector, Seematz offers searchlights and straight line window wipers of unparalleled quality and reliability.

TTT is representing the searchlights and window wipers of Seematz for the Benelux since 1984.

In addition to the Seematz searchlights, TTT is also a dealer for Glamox Norselight searchlights.



## WINDOW WIPERS

Pesch is a specialized company that manufactures straight-line windscreen wipers alongside the renowned Seematz searchlights. Characteristic for the Seematz windscreen wipers is that they are custom-made based on building drawings and window drawings of the newly built or existing ship. Like the searchlights, the straight-line windscreen wipers of Seematz are extremely durable and solid.



## WATERMAKERS



A reverse osmosis watermaker allows the crew of any ship or platform to have their own independent source for continuously available, high quality potable water. The risk of consuming contaminated water, which can occur when bunkering water in various parts of the world, is prevented completely.

The range of watermakers of Parker Sea Recovery is designed to meet highest demands from the point of view of crew welfare. By offering highly automated systems, including continuous monitoring of various sub-processes, automatic flush operation and automatic pressure regulation, system maintenance is kept to a minimum. Not only is this helping to increase crew welfare, also the pre-filter and membrane performance are optimised, which leads to a longer life span of the filters and reduces the carbon footprint of the system.

Sea Recovery offers a very complete range of watermakers, for both recreational and commercial vessels, with systems available for small (work) ships to cruise liners. For the full range of reverse osmosis watermaker systems we refer to: [www.searecovery.org](http://www.searecovery.org)



## MARINE LOUDSPEAKERS



Clear, powerful and reliable; that is the characterization of the DNH loudspeakers. DNH develops high-quality speakers, that guarantee perceivable notifications, even under harsh or extreme conditions.

- 100% reliable
- a.o. flameproof, weatherproof and shockproof
- Wide range of industrial and commercial applications
- Also available in ATEX



### Designed for marine applications

Back in 1962 DNH produced the first explosion-proof loudspeaker. Besides ATEX, they produce variants resistant to heat, vibration, a constant spray of salt water and fumes of chemicals. Because of their reliability, about 85% of all speaker installations on offshore platforms in the North Sea contain DNH loudspeakers. Besides offshore applications, the speakers are also often installed in trains, subway stations, commercial vessels and cruise ships.



## EMERGENCY TELEGRAPHS



Eekels emergency telegraphs have several noteworthy advantages compared to alternative systems. For example, they are reliable (no short circuit), they use a minimal amount of energy and the system is easy to install (2 wire system). The system is perfectly suitable for highly demanding customers that want to spend little money and time on laying cables aboard vessels. Additionally, Eekels emergency telegraphs are equipped with a built-in buzzer, cover plate with dimmable LED lighting to guarantee clear messaging and this all built into a DIN sized housing.

- 2-wire system
- Simple installation
- Standard housing DIN-144
- Minimal power consumption
- Coloured signs and text
- Backlight with dimmable LED's
- Up to 12 positions possible
- Built-in buzzer
- Transmitter and receiver short-circuit proof
- Identical units for bridge and engine room
- Optional NMEA 0183 output for VDR



## MAGNETIC LEVEL SENSORS

Inelteh magnetic level sensors:

- Designed for using on board ships, in petrol industries etc.
- Material used (stainless steel AISI 316L) makes it suitable for use in various liquids
- Various vessel connections can be done
- Top or side mounting
- Submersible version with teflon cable
- Using Intrinsic Safety Isolators can operate in hazardous area





## SIGNALLING COLUMNS

The Inelteh signal columns represent each preferred symbol, including the most common symbols required by IMO regulations. They can be equipped with alerts such as strobes and sirens. The columns can be supplied with a 24V, 110V or 230V supply voltage.

Due to the modular structure, the columns can be configured fully according to your wishes and can be produced up to 12 symbols per column.

**INELTEH**



**MARPOWER®**



The Marpower Type 22 Signal Column is flexibly configurable, based on modular building blocks. This allows for self-assembly of the units by the electrical contractor to save money. All Marpower Signal Columns can display various alarms according to the safety regulations and compliant to various class requirements, such as SeeBG.

## MARINE HEATERS



Telco marine heaters are specially developed to heat vessels and offshore installations. The heaters are compact and have a high heat output per m<sup>3</sup>.

### **Resistant to water and overheating**

The marine heaters of Telco are waterproof (IP44) and therefore suitable for wet areas and shower cabins. Furthermore, overheating is not possible, because of a protective aluminium grille on the top side of the heater and an automatic thermal cut-out. The marine heaters have a minimalistic design and are enhanced with stainless steel elements and self-extinguishing plastics (category V-O).

### **Compact and light**

The Telco marine heaters are highly suitable for installation on board of vessels and on offshore installations, thanks to their light weight and compact size. For example, the 1600W type only needs 0.17 m<sup>2</sup> of wall surface.



## AMS.01

Your own alarm monitoring system, carrying your brand logo, developed, supported and certified by us. Not the burden of system development and maintenance, yet have full control over configuration of I/O's, setting min/max levels and scaling each input for any project. Using generally available hardware and without any licence fee, we offer maximum flexibility of use.

### Key benefits AMS.01

- Own branding Branded and styled with your logo
- Lean Plug and play, no burden of in-house system development
- Flexible Using widely available hardware, no licences
- Free training To configure, change and operate the system
- Remote access Available for your support, or to support your customer
- Scalable Operating touch panels in any size
- Redundancy Each workstation runs independently
- Certified Lloyd's certified, available with a UMS notation



## REFERENCES



### Polaris

Pilot vessel  
Barkmeijer



### Defender II

Fast Crew Supplier  
Damen Shipyards



### Dokter Wagemaker

Ferry  
Damen Schelde



### Vox Maxima

Mega hopper dredger  
Royal IHC



### Minerva

TSHD  
Royal IHC



### Nassima

Motor yacht  
Accio yachts



### Audacia

Pipe laying vessel  
Damen Keppel



### Gulden Leeuw

Sailing yacht  
Koninklijke Scheepswerf Balk



### Maeslantkering

Deltawerken  
Rijkswaterstaat



### Brussels Airport

Runway renovation  
Brussels Airport



### Groene Hart Hospital

Construction hospital  
GHZ



### Tilburg West

Expansion power substation  
Enexis