

SYI 2016 | VOLUME 11 | ISSUE 1

# SuperYacht

i n d u s t r y



## Interior Ingenuity

A LOOK INSIDE

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## FIRST TIME LUCKY

PREMIER YACHT DEMONSTRATES FINESSE

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## Palma Superyacht Show

2016 PREVIEW



# Integrated and Interconnected

TODAYS ELECTRONIC INSTALLATIONS ON YACHTS ARE COMPLEX COMPOSITIONS OF DIFFERENT TYPES OF VOLTAGES THAT ARE CONNECTED, CONTROLLED AND MONITORED by computer networks. With their turnkey approach, Tijssen Elektro Group's turnkey solutions ensures that systems from different disciplines are seamlessly integrated and interconnected, eliminating worries from the shipyard and creating a convenient one-stop shop for equipment.

Tijssen Elektro's branch office in the south of Holland offers a complete range of marine electronics . Working in close cooperation with shipyards in the Netherlands and abroad, Tijssen Elektro is involved in many new builds and supplier markets and has grown to a total of 85 employees over the past few years. The knowledge and the expertise to make a success of turnkey projects with different integrated complex installations that keep the end-user in mind, has been achieved with over 40 years of experience in marine electronics. This can entail being the supplier and system integrator for electrical yacht installations: light, high- and low-voltage installations, data networks, navigation/

communication systems, audio/visual and entertainment systems.

## Customised sound

Tijssen Elektro delivered several projects during 2015 from sailing to motor yachts ranging from 20-70 metres. With a wide choice of products from different brands available on the market, Tijssen Elektro aids in the decision-making and integration of these systems. The completely integrated (glass) bridge is a latest example of such developments. Another example is fully integrated audiovisual systems, streaming video and music on demand, full speed Internet access and satellite TV/Radio on board; all controlled from one single tablet. Dual language on the

tablet is more common on today's yachts and superyachts. TAV systems, Tijssen Audio Video systems, supplies and installs exclusive custom audio/video systems and integrated with the latest must-have in the field of AV.



## Marine Personal Assistant (MPA)

The Tijssen Elektro MPA system is a multifunctional alarm, monitoring and control system, which reports all the vessel's necessary data. The workstations of the MPA system are featured throughout the entire yacht with two central locations; main switchboard and wheelhouse dashboard. All these workstations are linked together via a LAN network, named MPA network. This is entirely separate from the vessel's (or owner's) network. Optional workstations can also be added to the captain's cabin, engineer's cabin and/or crew mess.

The MPA Power Management

The MPA system can control and/or safeguard the following items and more:

- power control
- battery system
- tank sounding system
- pumps
- circuit breakers
- alarm system
- generator control
- hydraulic system
- engine room fans
- freshwater pressure
- air pressure
- navigations lights
- fire system
- deck lights
- camera system
- navigation page
- doors and hatches



System has been completely developed by Tijssen Elektro's engineers. The system monitors the power requirements and available power, 24/7 with only one task: to prevent a blackout or dead ship situation. The captain and ship engineer have full control over the power settings on board and they can even give systems a priority. It results in a smooth operation

of all system without the risk of a dead ship situation. In case of system failure, the captain and crew will be alarmed by the MPA system.

## Service and Maintenance

The after sales department of Tijssen Elektro will take care of all questions and enhancements of the onboard systems. Not only for the electrical systems and MPA

but also for the delivered navigation/communication equipment and audiovisual systems. Specially trained engineers can travel all over the world to complete service and maintenance jobs on board. Based on their feedback, Tijssen Elektro's engineering department can modify or add special functionalities to the installed systems. In collaboration with partner's e3 Systems from Palma and Aage Hempel Spain, Tijssen Elektro strives to provide the best service from concept, to build and installation and to aftersales.

Thanks to the innovation of products like the Tijssen MPA Alarm and monitoring system and the straightforward and intuitive control of complex audio video systems, it is now possible to optimise and guarantee the operation of all onboard systems. The end-user will have all the logging and navigation facilities to make high-quality voyages.

i. [www.tijssen-elektro.nl](http://www.tijssen-elektro.nl)