

SYI 2017 | VOLUME 12 | ISSUE 2

oceAnco

# SuperYacht

i n d u s t r y

## *Delivering on Potential*

OCEANCO AND ITS HIGH-PROFILE DELIVERIES

## *Voyage of Discovery*

GILL SCHMID DESIGN'S 90M TABOO

## *Driving Innovation in Propulsion*

VEEM PUSHES THE BOUNDARIES



Heesen Yachts' 50m hybrid Home

Photo courtesy of Heesen Yachts



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*Having a single subcontractor for handling all installations made the process seamless both in construction and after sales support.*

Onboard conning cameras.

# Connectivity at Sea

WITH ALMOST 45 YEARS' ACTIVE SERVICE IN THE HIGH-END YACHT SECTOR, TIJSSSEN ELEKTRO IS A STRONG, STABLE TURN-KEY SUPPLIER TO BOAT BUILDERS. IT HAS PROVEN TO BE A COMPANY IN WHICH CRAFTSMANSHIP, INNOVATIVE SOLUTIONS AND EXCEEDING EXPECTATIONS IS KEY, AND ITS SUCCESSFUL COLLABORATIONS WITH HEESSEN YACHTS ARE A CLEAR EXAMPLE OF THIS.

Tijssen Elektro's multidisciplinary provision of services extends from state-of-the-art audio/video and navigation and communications, to complex ship installations and ingenious data networks. Each year Tijssen Elektro creates dozens of projects that are complex, demanding and custom made.

Over the past couple of decades, Tijssen Elektro has managed to build a strong relationship with shipbuilder and neighbour Heesen Yachts, having already been involved in more than 90 projects. Initially the collaboration mostly involved e-installation and the Alarm and Monitoring system (MPA), but in the past decade, Tijssen Elektro has also been involved with other disciplines, such as NavCom and audio/video resulting in a strong proposition.

## Turnkey Projects

Motor yacht Amore Mio is a great example of a successful turnkey project at Heesen Yachts. Captain Tripp Hock of Amore Mio explains: "Having a single subcontractor for handling the E-installation, the NavCom installation and entertainment installation, made the process seamless both in construction and after sales support."

Captain Hock was also highly impressed with the MPA system, adding: "It's really great seeing the leaps and bounds made by the monitoring systems in the past decade – with a slick, grey, almost 'iMPA' feel to it – the ability to control and monitor the boat via these intuitive tools are clearly a captain's best friend."

The latest projects Tijssen Elektro has been working on for Heesen Yachts are 55m Alida, 50m Home and 47m Ruya. Alida and Home are scheduled to be delivered in the summer of 2017.

"Professional, efficient, committed, accurate and with remarkable attention to detail: just some words that come to my mind when I think of their work ethic," says Sara Gioanola, PR & Press Office Manager at Heesen. "Tijssen Elektro has been one of our electrical suppliers since our inception. They constantly prove to be a reliable partner, and are an integral part of our success. With modesty and ingenuity, they make each project a great success."

## Revolutionary Design

Alida is a striking 55m fast displacement yacht, and the sister yacht to Azamanta – another project by Tijssen Elektro. The design is so revolutionary that it's free of pillars thereby allowing for unlimited panoramic ocean views.

This is complemented by a 110sqm sun deck with a sky lounge that is covered fully in glass. Tijssen Elektro is responsible for the E-installation, MPA system and NavCom equipment. There is a lot involved with the installation and delivery of a complete package of NavCom equipment. From communication equipment (VHF, V-SAT system, MF/HF system, Fleet Broad band, etc.) to navigation equipment (Radar, ECS system, GPS, AIS system, instruments, etc.) to the network installation. All NavCom equipment is installed at several spots throughout the yacht: the main bridge, on the dashboard, the captain's cabin, officer cabin and crew mess.

A special feature of Alida is the FLIR Multi-sensor marine thermal night vision camera, with >>



**Heesen Yachts' 47m steel displacement yacht, Ruya**

Photo courtesy of Heesen Yachts



Image courtesy of Heesen Yachts

video tracking. This camera makes it possible to recognise marine traffic and key landmarks at night, and includes a combination of thermal detection and visible identification and operators that can precisely locate and track objects. It contributes to onboard safety and keeps potentially dangerous targets in view at all times.

### World's First

Motor yacht Home is the world's first fast displacement yacht equipped with hybrid propulsion. She is not only an ultra-efficient, low fuel-burning yacht, but also one of the quietest on the oceans, offering the ultimate luxury – a silent cruise.

Tijssen Elektro is responsible for the delivery and installation of the NavCom equipment. This particular yacht contains plenty of extra features when it comes to NavCom: Home is, in addition to the 'standard' package, equipped with an extra V-Sat, a forward looking and Chirp sounder, a forward Dual ECDIS, and an underwater camera.

### New Styled Vessels

Ruya is a 47m steel displacement yacht, which, rather uniquely, Heesen Yachts launched a Facebook campaign for to find a project name for her. Ruya is one of the newly styled vessels in the award-winning 47m class, a breed of Heesens that are icons of classic contemporary yacht design. On this beautiful sister ship to motor yachts Lady Petra and Elena (both of

which are also collaborations between Heesen and Tijssen Elektro) Tijssen Elektro was responsible for the E-installation and MPA system.

### Security on Board

Security on board is becoming increasingly important. Tijssen Elektro continuously follows developments on this subject, and ensures that all onboard systems delivered and installed operate at a high level according to the latest safety standards.

Tijssen Elektro's MPA system makes it possible to closely monitor the yacht's performance, safety and control over almost all the electrical systems. With input from captains and engineers, the MPA alarm and monitoring system is continuously being upgraded and improved.

### Maritime Personal Assistant

Last year, Tijssen Elektro was on track to deliver its 150<sup>th</sup> MPA system, and this year it realised its 150<sup>th</sup> successful installation on board Alida. With more than 300 projects in its portfolio, this huge milestone means that around 50% of Tijssen Elektro's delivered yachts have been equipped with its MPA system.

The MPA system was launched in 2001. Over time, the MPA system has experienced tremendous growth, on both a hardware and software level. At first MPA was a clever tool to monitor a yacht but today it is indispensable,

and yachts simply cannot operate without such a system.

### In Control at Sea

All the audio/video systems supplied and installed by Tijssen Elektro are custom-built. Integrated AV with iPad control, and light management and room control are the most popular options. Most yacht owners now use AV on-demand to watch a film or listen to music, with the added option of streaming TV. This requires connectivity at sea or connectivity at the marina (or surrounding area), but in any case, bandwidth is required to stream effectively.

It's fair to say that the navigation and communication, and audio/video are strongly connected to one another: they work closely together and have been successfully applied at different yards over the past couple of years.

### Other Striking Projects

Tijssen Elektro has also been involved with other leading yards in the Netherlands and abroad. Last year, they worked on several different projects, including motor yacht Bijoux at Moonen Shipyards, sailing yachts Ngoni at Royal Huisman, Unfurled at Vitters Shipyard, and Baltic 175 Pink Gin VI at Baltic Yachts, and various Sunseeker yachts. It has also realised a number of refit projects.

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