

SYI 2020 | VOLUME 15 | ISSUE 2



SuperYacht

i n d u s t r y

Cruising to the sound of silence

FOCUS ON THE NETHERLANDS

Hybrid-electric power solutions

MARINE PROPULSION & POWER GENERATION

Easy-to-use technology

ENTERTAINMENT SYSTEMS



A look on the bright side

A LOT HAS HAPPENED IN THESE PAST MONTHS. COVID-19 HAS SPREAD ACROSS THE GLOBE AND MANY COUNTRIES HAVE BEEN IN PARTIAL OR TOTAL LOCKDOWN. NEW RULES AND REGULATIONS WERE PUT IN PLACE TO SLOW THE SPREAD OF THE VIRUS AND TO ENABLE THE ECONOMY TO SLOWLY START UP AGAIN. MANY WITHIN THE INDUSTRY HAVE FELT THE ECONOMIC REPERCUSSIONS, BUT THIS SECTOR HAS ALSO SHOWN RESILIENCE AND INNOVATION.

In this issue we will focus on the Netherlands. We shall take a closer look at Project Electra by Heesen. She is the second hybrid yacht sold by the shipyard in the 5000 aluminium class. We welcome Damen Yachting, a new yachting division within the family-owned Damen Shipyards Group. The move follows a solid decade of growth with a strong order book across the entire portfolio. Another interesting topic is the latest research on superyacht engineering. In his master thesis Stefan van der Harst, Junior Naval Architect at C-Job Naval Architects, stipulates how yacht engineering can be reduced by four-and-a-half months.

We would also like to introduce the beautiful B.YOND by Benetti, a new category of expedition yacht. The B.YOND is 37m long and designed for long and comfortable cruises with a reduced environmental impact. Another precious addition to the yachting scene is the 64steel Attila, the Sanlorenzo flagship. The 64m superyacht is full of brilliant and innovative solutions and is the largest yacht produced by Sanlorenzo so far.

On our Entertainment Systems pages we zoom in on Videoworks, a company that has recently integrated sophisticated technologies for home entertainment, audio/video, lighting, and home automation on the first Riva Yachts 50m superyacht. We also put a spotlight on VBH. VBH designs integrated systems for yachts, matching luxury technology options with controlled ways of building.

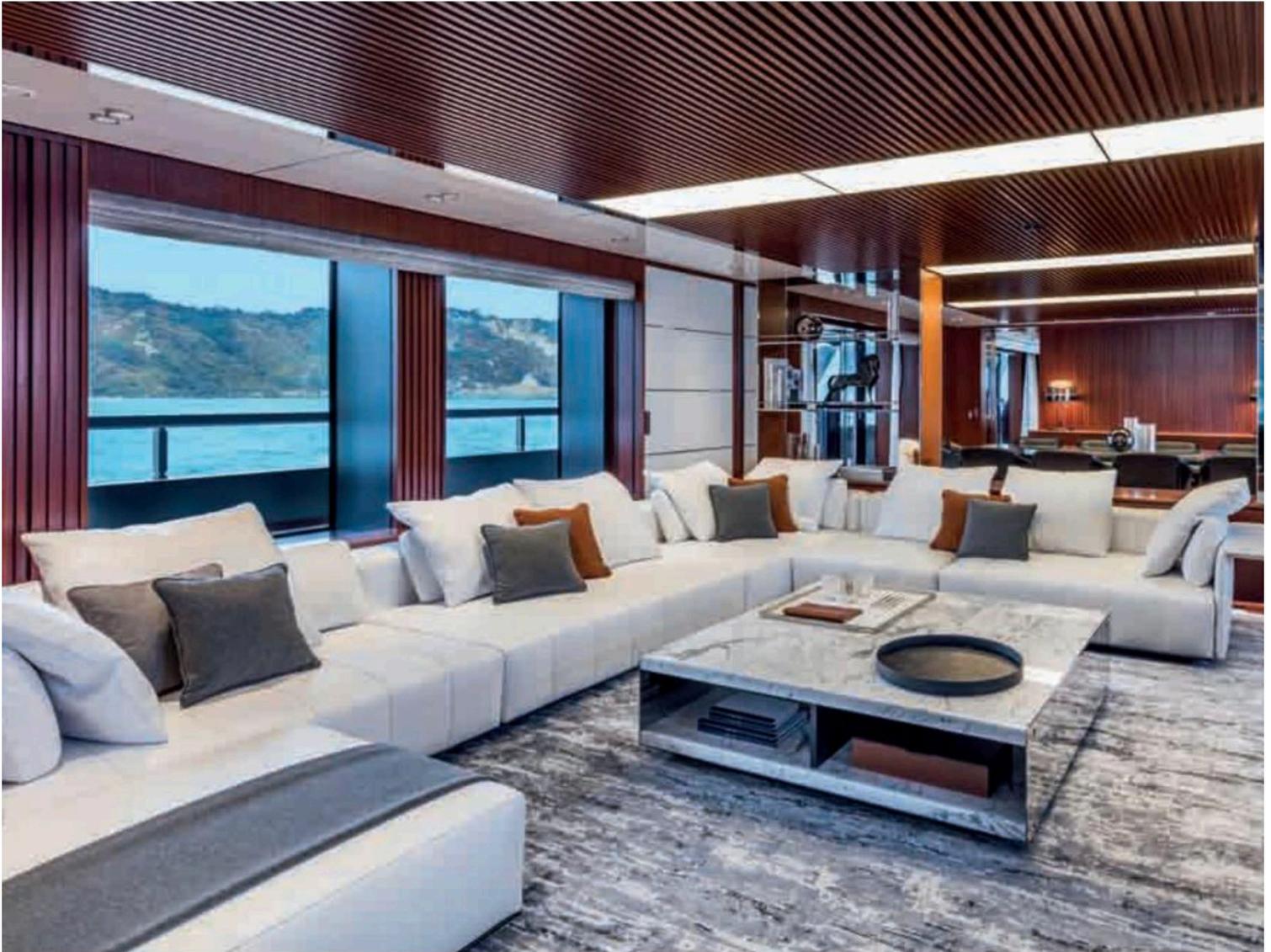
In our special on Marine Propulsion, Power Generation, and Hybrid Propulsion you will find the Total Onboard Power Solutions (TOPS), a collaboration that highlights the expertise of KOHLER Marine Generators and Leonardo DRS. The two companies have teamed up to provide a more efficient, quieter, and power-dense propulsion for the customer while reducing environmental impact. We look at MTU that provides green solutions for superyacht propulsion systems and as of 2021, Rolls-Royce will launch a range of MTU hybrid ship propulsion in series onto the market. And then there is ZF Marine. This company is expanding its portfolio with the brand's first hybrid transmission that can be installed on the ship in both V (V drive) and A (down angle) positions.

We hope you will continue to look on the bright side as the world turns, and enjoy reading these pages of SuperYacht Industry.

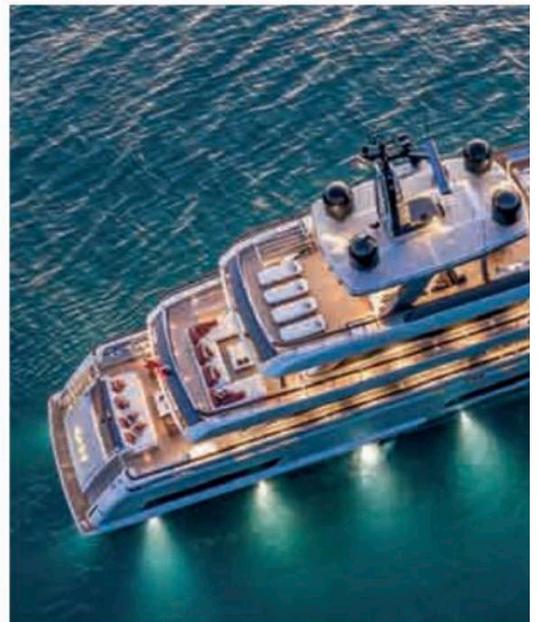
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ENTERTAINMENT SYSTEMS

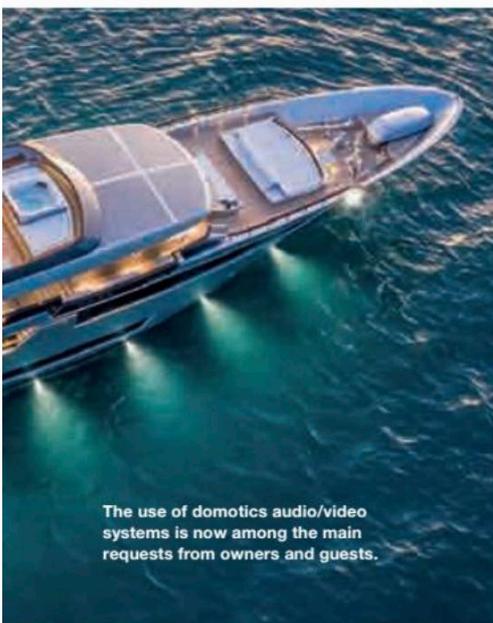


Videoworks offers innovative and original technological solutions.





Videoworks has integrated sophisticated technologies on the first Riva Yachts 50m superyacht.



The use of domotics audio/video systems is now among the main requests from owners and guests.

Easy to use and highly customised

VIDEOWORKS REVEALS TECHNOLOGIES ON 50M RIVA M/Y RACE

VIDEOWORKS HAS INTEGRATED SOPHISTICATED TECHNOLOGIES FOR HOME ENTERTAINMENT, AUDIO/VIDEO, LIGHTING, AND HOME AUTOMATION ON THE FIRST RIVA YACHTS 50M SUPERYACHT.

ALL PHOTOS COURTESY OF VIDEOWORKS.

Videoworks, a leader in the audio/video, entertainment, IT, and home automation sectors, followed very clear guidelines in the creation of the systems on board the Riva M/Y Race, the first 50m yacht that inaugurated the SuperYachtsDivision of Riva Yachts. All the systems for lighting, audio/video, entertainment, and home automation had to be very easy to use. This was achieved with a high level of customisation, a distinguishing feature of onboard systems created by Videoworks. The group always offers innovative and original technological solutions, with experience based on more than 700 projects developed over 20+ years of activity.

The use of domotics audio/video systems is now among the main requests from owners and guests. Must-haves of system integration now include being able to watch a soccer match on a large screen with very high resolution, listen to music with loudspeakers that faithfully reproduce pure sounds, host a party on board, manage lights, blinds, multi-media contents, and air conditioning, and to securely and reliably browse the internet.

Details of the Riva Race systems

The 50m yacht that inaugurated the SuperYachtsDivision of Riva Yachts yields super-concentrated technology. Videoworks designed the AV, IT, TV/Sat, CCTV, IP telephony, and

home automation system. The AV-IT system was designed according to the philosophy of a distributed system – each cabin/hall has a local rack containing AV electronics. The audio system in the internal and external premium areas includes the James Loudspeaker marine speakers. IP telephony is based on a Panasonic switchboard with fixed and cordless terminals.

The IT infrastructure (cabled and Wi-Fi) is entirely made with Cisco hardware, a world leader in terms of reliability and performance.

Thanks to its considerable experience and long-term partnership with Lutron (a big company in the production of light control systems), Videoworks designed and built the on-board home automation system, including the intelligent control of lights and blinds in the guest area, which makes time on board even more pleasant.

The CCTV system fully consists of professional Panasonic products. It includes five high-resolution IP cameras and a network recorder for recording video flows and archiving in encrypted form. Additionally, the satellite TV receiving system has a double antenna with arbitrator, guaranteeing an optimal signal without blind spots.

i. videoworksgroup.com