SEALUX
ADVANCED TECHNOLOGIES FOR YACHTING SYSTEMS
NEXTWORKS
HEADING THE FUTURE

COMPANY PROFILE

NEXTWORKS

HEADING THE FUTURE

Base

Pisa

Ideal location for development of advanced technologies, maintaining excellent links with local academia.

Headquarter

Pisa

Branch office

Rome

Established

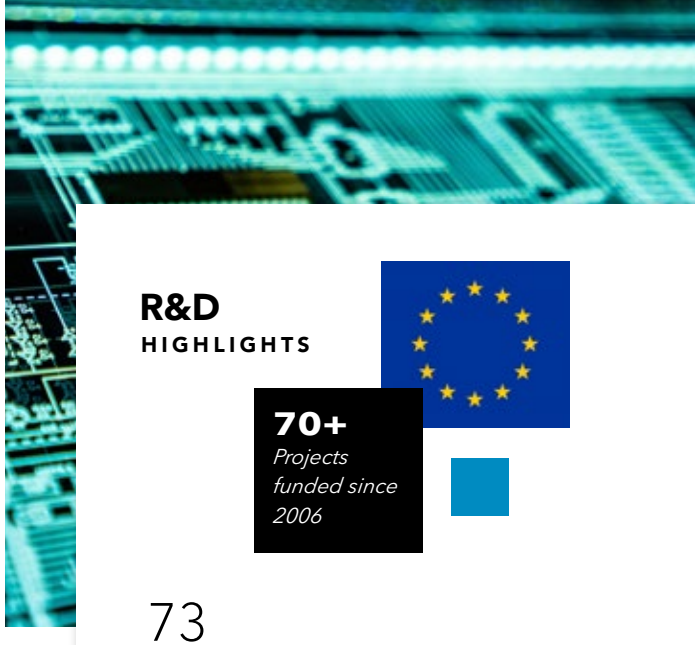
2002

Core team with more than 20 years of experience in ICT, telecommunications, control & automation

R&D Expenditure

~28%

(out of 7.8 M€ turnover)The time gap between technological innovation and obsolescence is narrowing, so it's mandatory to invest in research and innovation



R&D HIGHLIGHTS

70+
Projects funded since 2006

73
projects in European research programme frameworks

5
projects in Regional/National research programmes

Ranked at top positions among SMEs (and beyond) for number of projects and funding received at National and European level

Founded in 2002 as an innovative start-up company, Nextworks' mission is to enhance the future with high-tech systems and digital networks.

Specialising in the design and implementation of **luxury technology systems** tailored to the wishes of the customers, Nextworks has a **highly specialised in-house team** that works to create products ahead of their time, to anticipate market demands.

With more than 200 projects delivered, including 100 megayachts, Nextworks is one of the top technology providers in Italy. The audio-video and automation and control platforms offered by the company are designed to simplify, with imagination and creativity, the complexity of the **smart building**, luxury residential and yachting markets. High-tech solutions are combined with **reliable assistance services**, capable of supporting the customer throughout the life of the system.

Thanks to the R&D department, Nextworks leverages on a constantly evolving **ICT know-how** which is unique in the SME landscape, with high potential for easy turnaround into offerings of new innovative services and products.

Nextworks has a leading role in 5G/6G R&D in Europe with main contributions in design and standardisation of control, management and orchestration **solutions for 5G/6G networks** (with SDN, NFV , and edge computing) and Factories of the Future.

SCAN TO SEE NEXTWORKS WEBSITE

Sealux at a glance

MILESTONES

+25
years of experience

+7km
of yachts developed it on a linear surface

+250
yacht installations since 2006

+85
mega & giga yacht lengths 50-110 mt

+200
satisfied owners

50%
of customers require upgrades or refits

+2500
audio & video stations installed

SOME OF OUR CLIENTS

Benetti — ITALIAN EXCELLENCE SINCE 1873
BAGLIETTO
SANLORENZO
OVERMARINE GROUP
Lusben
FILIPPETTI YACHT
CCN CERRI CANTIERI NAVALI

HEADING THE FUTURE

Efficiency, simplicity and flexibility

Sealux was created to respond to a need for efficiency, simplicity and flexibility. A **universal and open platform** that, with the use of the most advanced technology standards, allows the **smooth integration of third-party products**.

COMFORT LIVING
Enjoy your environments, control your yacht's lighting, curtains and air conditioning easily and quickly

ENTERTAINMENT
The latest movies and TV shows, your favourite music artists, all at your fingertips on your controller

VIDEOSURVEILLANCE
Feel safe and protected with an all-around CCTV system

COMMUNICATION
Stay in touch with anyone, in a smart way

NETWORKING
Master bandwidth management to let the guests enjoy internet at full speed

SEALUX CLOUD

SealuxCloud, *the Nextworks cloud service that allows you to manage all the system automation functions both locally and remotely, via a simple, secure and highly reliable connection.*

REMOTE ASSISTANCE
We can solve most of the technical issues from our central office

WORLDWIDE SUPPORT
You are never left alone with our Support Team, ready to assist you anytime, anywhere

MONITORING
Keep all technical information under control, available on site and on line

REMOTE CONTROL
Everything is also accessible remotely, with any connected device, in total safety

NXW Foundry
ADV CUSTOMIZATION & EXTRAS

The laboratory where we work to realise the visionary ideas of our customers

Thanks to our R&D dept. and our knowledge in software design and development, we can offer ourselves as ***solution providers*** *in complex contexts and conceive and implement cutting-edge technological projects tailored to the customer.*

Some of the creations we have made:

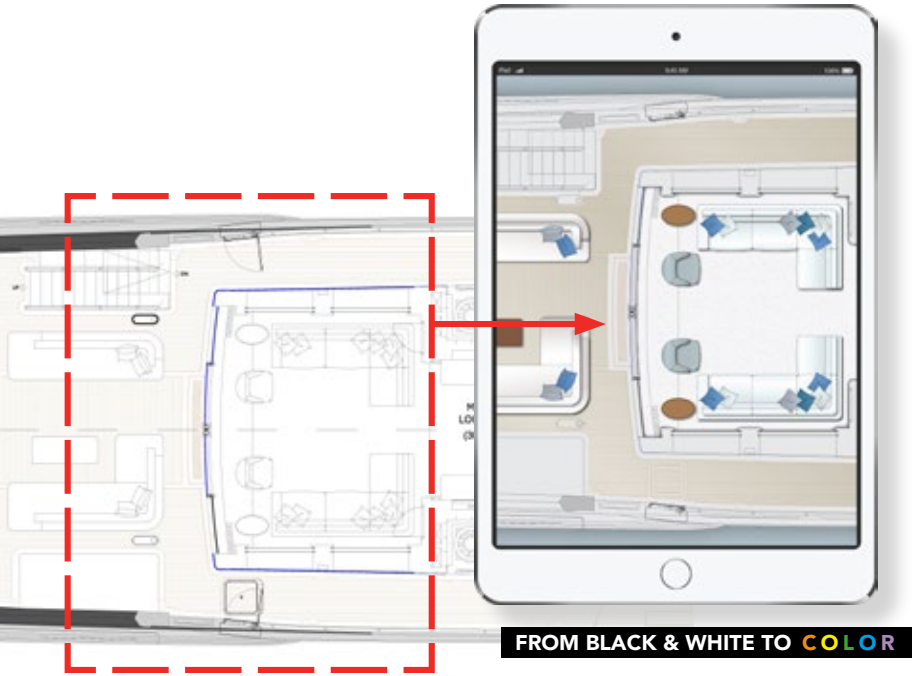
- **Interactive Counter Touch**
- **Virtual Aquarium**
- **Videowall & Artwall**
- **NXsign, Infotainment**
- **Mecca Pointer**
- **Digital Jukebox**

Tailored graphic design

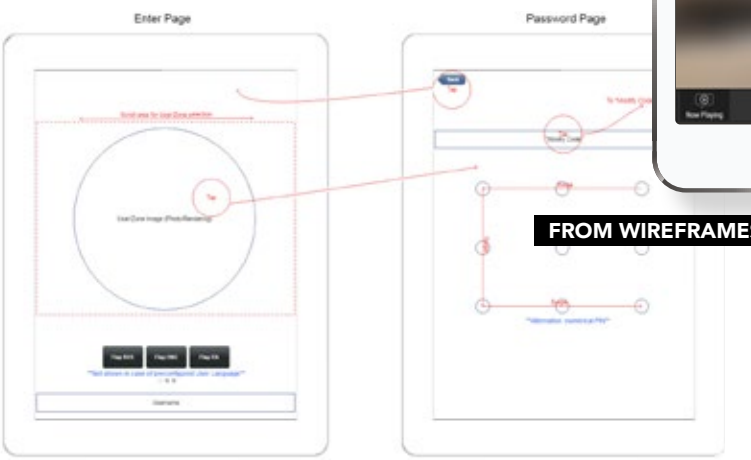
What distinguishes iSealux from others control systems? iSealux is an application that makes it easy to control technological systems using **common gestures** that you commonly use with your portable devices. It is possible to **zoom, navigate on the floor** and swipe quickly on plans to have, with a few simple gestures, the whole yacht under control.

We pay particular **attention to the layout, functionality and graphic design** of the interface.

We have **dedicated programmers and graphic design staff** to make sure GUI is intuitive, simple to use and attractive, following the interior design and owner needs.



FROM BLACK & WHITE TO COLOR



FROM WIREFRAMES TO FINAL LAYOUT

GET IT ON Google Play

Download on the App Store

Make it personal

Select your favourite GUI style from our sample portfolio, or design it with us from scratch: it is completely customizable.

With a single touch, your boat can change its ambience.

Create a scenario for every occasion, and summon it when you want, with a simple command, or automatically.

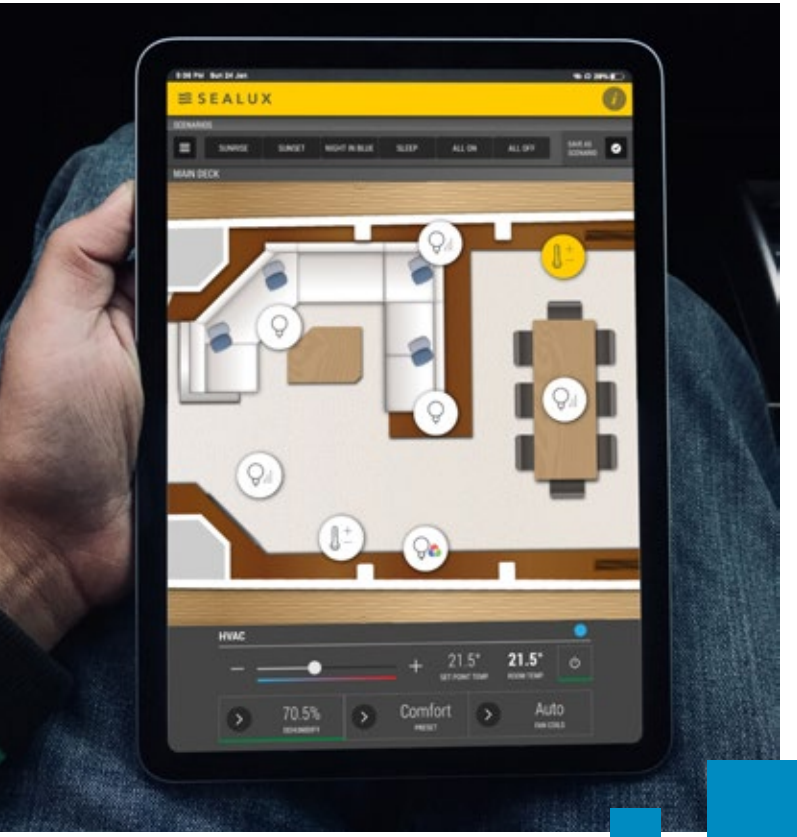
RENDERING/PHOTO VIEW

MAP VIEW

LIST VIEW

YOUR YACHT AUTOMATION

Lighting / Automation / HVAC



SET YOUR YACHT COMFORT

From lighting to light design, a world of creative possibilities, thanks to **total control** of intensity, light frequency and colour temperature. **A single gesture to set scenarios**, interact with natural light.

Temperature, humidity and ventilation can now be tailored for every room, every moment, every opportunity..

When rooms, devices and networks communicate under the management of an intelligent system, life is transformed. Every place becomes continuous construction, contact, interaction. Yacht automation transforms a space into a collaborator that listens, reacts, learns, avoids risks and optimises energy consumption.

INTEGRATED AUTOMATION TECHNOLOGIES

Sealux is an **open platform**, able to integrate the most wide-spread technologies available.

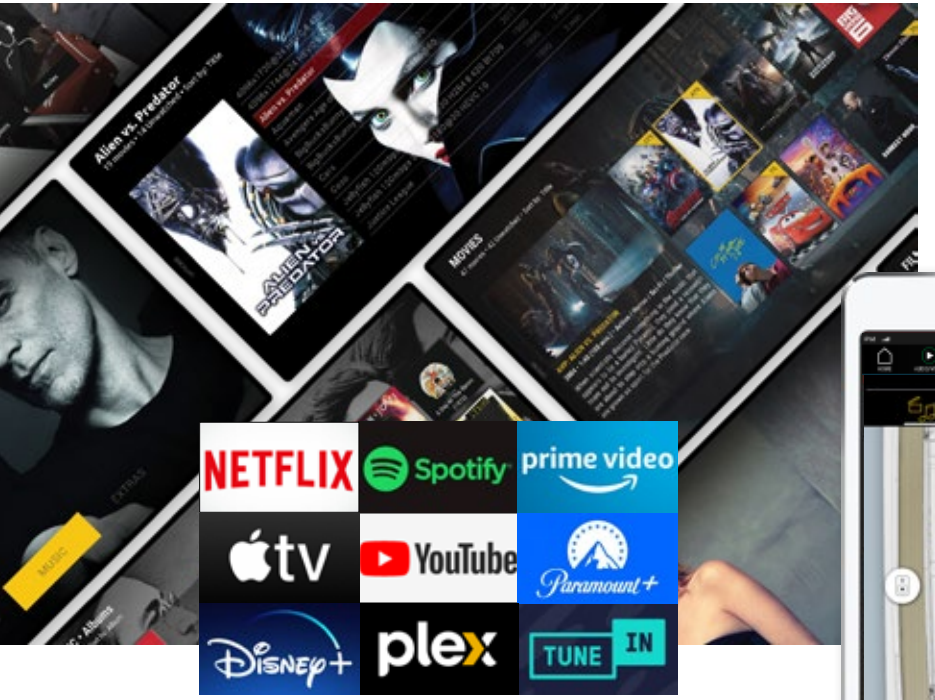
CRESTRON · PHILIPS hue · YACHTICA · LUTRON · Control4 · enocean · Z-WAVE ALLIANCE · KNX · LONMARK · ZigBee · BACnet · Modbus · DMX · DALI

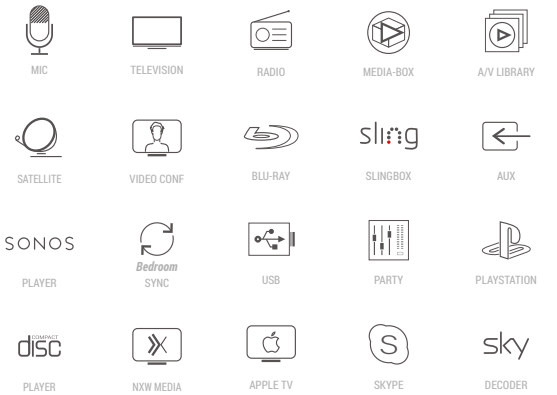
SEALUX ENTERTAINMENT

Multimedia anywhere, anytime

The entertainment paradigm is changing, and thanks to Sealux systems it becomes portable, adaptable, **totally customisable** on any device, for any format and on any medium.

Defining the various elements with Sealux becomes easy, **fast and intuitive**: connection schemes, data streams, A/V sources, amplifiers, matrixes, extenders, TVs, projectors, and much more.

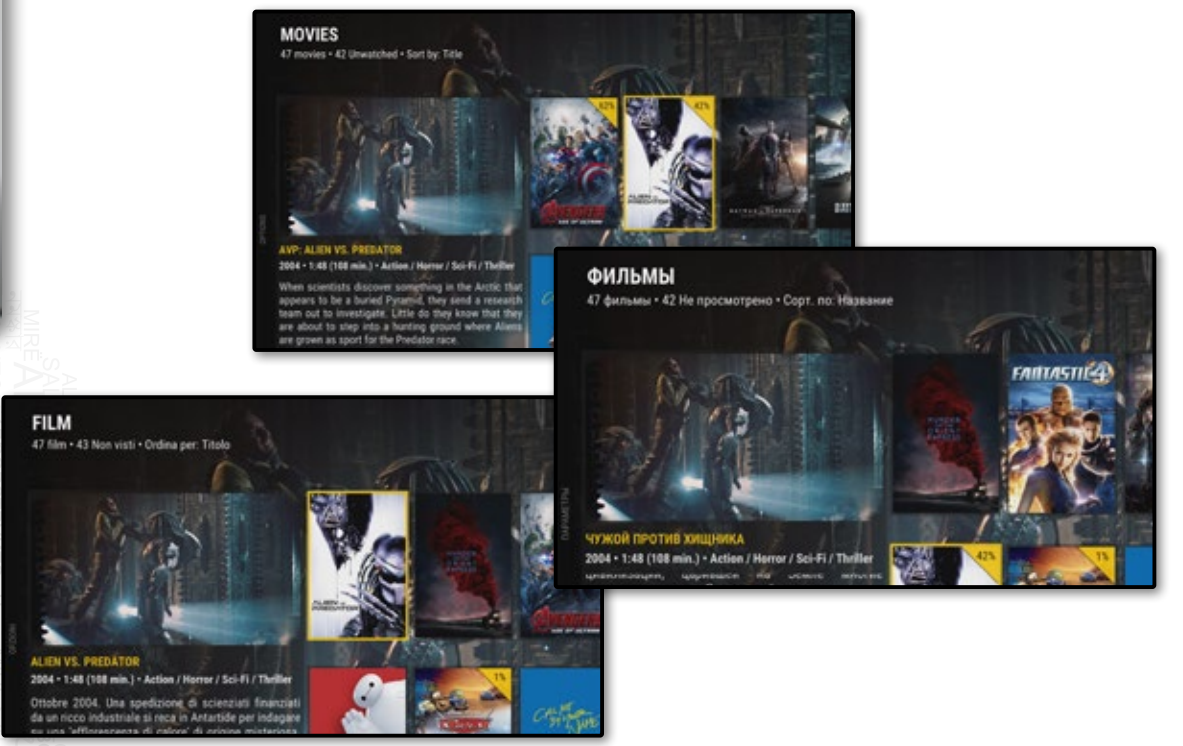




A multilingual platform

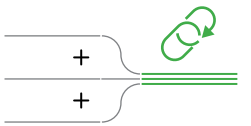
When multilingual support is active, all user interfaces will **adapt simultaneously to the chosen language**, on every screen or controller. The Sealux Video on Demand system will automatically gather content metadata for all active languages, showing, for example, the correct movie title and plot.

The system fully supports enhanced charsets, enabling non-latin alphabets like **Cyrillic, Arabic, Chinese and so on**.



Your network anytime, anywhere

OWNER GUEST CAPTAIN CREW



Link aggregation mode

Internet bandwidth is a valuable resource when cruising: manage it easily to keep guests and crew members satisfied. **No need to have an IT expert on board: an intuitive web interface allows anyone to quickly manage the network access**.

With Sealux NXgate you can create **different User Profiles**: Shipowner, Guest, Captain, Crew.

Define specific **bandwidth and speed limits for each group of users**; e.g. you can guarantee that the fastest channel is reserved for the shipowner, still allowing the crew to be online.

Check real-time traffic generated by individual users, analysing which services they use and the **time spent on-line**.

Define specific limits for each user group/ device / site / app, in terms of time and/or access to the service.

45 min		**200** min	
0 min		**30** min	
15 min		**5** min	

Smart Management of all on board communications

Sealux will help you to manage all on board communications, both inbound and outbound

Easily reach every crew member with the **integration** of VoIP, Wi-Fi and video phones, **crew radio and pagers**.

Sealux IP PBX allows the crew to efficiently set up external call routing, exploiting the available call channels, analog or digital (GSM, VSAT, Fleet, etc.)

Make yacht service calls fast and efficient: **place a call using the tablet controller**, Wi-Fi programmable buttons, wired buttons or using the **App-based Service call function** to provide your guests with the ability to give details about their call (e.g. selecting food and beverages from a menu, request room service and other hotel-like functions)

Enjoy all Sealux App functionalities directly from your desk phone to manage room control and AV features.

Integration and Security

Sealux is extremely modular and can integrate different systems and technologies.

CURRENT corporation · HIKVISION · SONY · Panasonic ideas for life · AXIS COMMUNICATIONS · PELCO · FLIR · . . .

It allows continuous technical monitoring of any type of data, achieved by integrating **sensors** and complete systems (**intrusion detection, access control, smoke detectors, video analysis systems**, etc.).

A powerful alarm management tool is included in our comprehensive and reliable security offer.

CAMERAS VISUALIZATION ON TV AND IPAD

Sealux allows to show and control the cameras without the need of additional hardware usage.

Some available functions are:

- Possibility to show multiple **cameras on iPad, smartphone and TV**.
- Access to camera streams based on the user profile and credential and/or the location of the media player (**parental control**).

SealuxCloud, Remote Cloud Management & Monitoring

SealuxCloud is the brand new cloud platform developed by Nextworks

SealuxCloud offers a cloud service that allows you to **manage all the system** automation functions both locally and remotely, via a simple, secure and highly reliable connection.

Thanks to the extremely user-friendly application, you can check the status of all the environments, view images from the cameras, activate scenarios, manage the various appliances and **interact with your yacht remotely**, simply using your smartphone, tablet or PC.

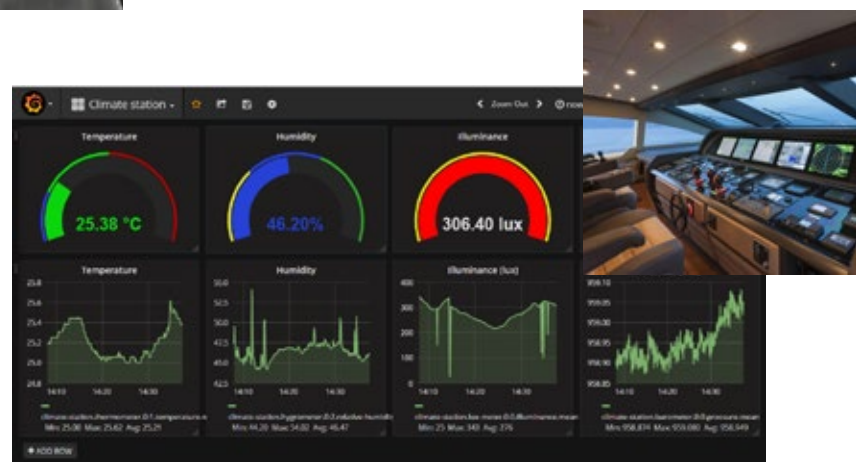
The powerful technology behind our cloud solutions allows you to selectively grant the technical staff access to specified systems, both in case of failures and periodically, to facilitate maintenance and remote diagnostics, intervening quickly and effectively, with just an internet connection.

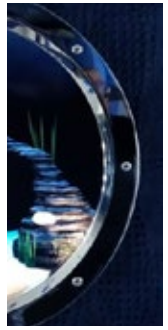
Create **custom dashboards** to control the entire yacht at a glance, sharing them with the Shipyard or the owner

Together with the SealuxCloud services, you'll be able to watch over your yacht from anywhere

Standard functionality:

- Keep an eye on your **yacht location and route**
- **Control lighting**, climate and other comfort systems
- See who is on board and where they are, with **anti-intrusion and access control systems**
- Check out **technical support** systems like engines, wheelhouse, power generators, tanks
- Get **automatic alerts** for any issues and anomalies





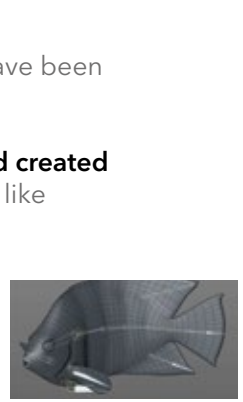
Virtual Aquarium

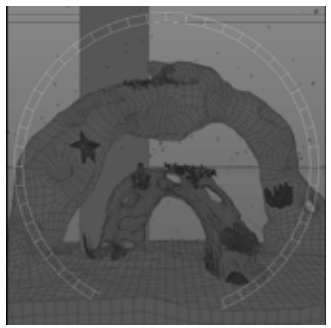
A THREE-DIMENSIONAL MODEL OF THE SEA

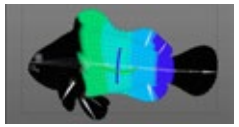
Deep in the lower deck of IJE Gigayacht, built by Cantieri Benetti, there is a Night Club, where Nextworks has deployed a very original and **tailor made** Virtual Aquarium.

A **photorealistic tropical scenario is visible through 5 portholes**; the fish and settings have been designed based on the tastes and choices of the shipowner.

Curiosity: During the development, together with the owner, we **selected, rendered and created the swimming paths of each of the species present in the Virtual Aquarium**. It was a bit like making a three-dimensional model of the sea...







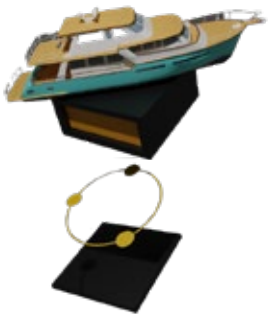
Interactive Counter

INNOVATION IN ITS PUREST FORM

The counter consists of one or more interactive high-brightness displays, with a high-performance multitouch system.

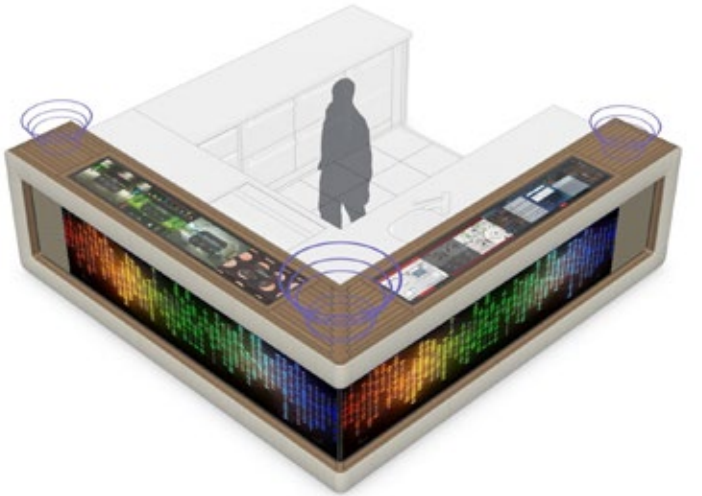
It can be used for immersive commercial presentations or for pure entertainment purposes.

The interactive entertainment software allows the interaction with graphic effects, games, images and videos, as well as the object recognition.
The surface animation is customisable, with a wide choice of effects, games and graphic solutions.



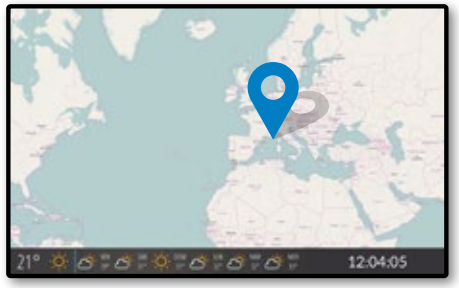
OBJECT RECOGNITION

A small conductive sensor is inserted under an object. Its collaboration with a particular multitouch film allows you to assign an ID to the single object, making it recognizable by the touch of the monitor.



IMMERSIVE ENTERTAINMENT

Custom-made for a luxury villa in Tuscany, the interactive Multitouch bar counter has a ledwall on the front side, and two interactive multitouch surfaces at the top.



NXsign, Sealux Infotainment

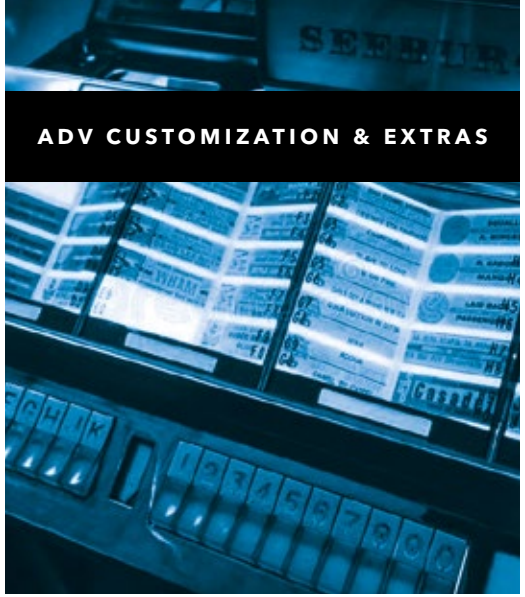
Deliver useful information on every screen onboard, in a fun and nice looking way. Show the guests **tourist information** about the next place they're going to visit, the planned route, the **weather forecast** or let them know the **menu of the day**.

Link the information displayed to the **social networks** and get real time news and suggestions about the events nearby

All contents can be edited and scheduled by the crew, with an easy to use web interface

MECCA POINTER

In the Sealux App it is also possible to integrate the **Mecca Pointer**, a line pointing to Mecca from your current location.



ADV CUSTOMIZATION & EXTRAS

Digital Jukebox

REVIVING AN ICON OF THE PAST IN A MODERN KEY

The user experience is **inspired by an old jukebox**, displayed on an interactive multitouch surface, a skin with the unique simplicity of the alphanumeric selection... but **with a 2020 "engine" inside, personalised playlists, unlimited content**.

Simple to use and configure, it is perfectly integrated with a full featured high quality audio system.
With the digital jukebox it's extremely easy to select contents and arrange them in personalised playlist for themed evenings: 80s, Jazz, Dance, 70s Disco party etc ..

Enjoy the old fashioned jukebox in completely new graphics, with a lot of functionalities never seen before.

Artwall & Videowall

A TAILOR-MADE REALITY BASED ON A VISIONARY IDEA

The Artwall is a **composition of monitors with any orientation and size**, with a unique, **free and creative final shape**. Our powerful software engine can make the flow pass from one area of this macro-display to another, and **manage videos freely** on one or more screens.

A CURVED SCREEN 25 METRES LONG

Inside the The Roof / Hotel Dei Cavalieri restaurant we have installed a projected screen (thanks to 7 projectors) of 25 metres in length in edge blending technology, whose contents can be easily loaded and managed by the Nextworks system.

A UNIQUE IMMERSIVE ENVIRONMENT WHERE THE MOBILE STRUCTURE CAN ADAPT AND CHANGE SHAPE FOR EACH AUDIOVISUAL PROJECT PRESENTED

Ornellaia is one of the most prestigious and awarded Tuscan wineries. For the technological systems of Aquilone (a multipurpose tasting room built just above the winery) it turned to Nextworks.

For this project Nextworks has provided the know-how to create a unique immersive environment where the mobile structure can adapt and change shape for each audiovisual project presented.
Videos are projected freely from panel to panel with any composition of sequences, streamed on 4 movable panels, each one 4x2.4 square metres wide and easily positioned in the area at different arrangements.

CASE HISTORY

M/Y Benetti IJE

THE 108-METRE GIGAYACHT

The 108-metre flagship FB275 is the longest yacht ever built by Cantieri Benetti and the longest built in Italy by a private shipyard.

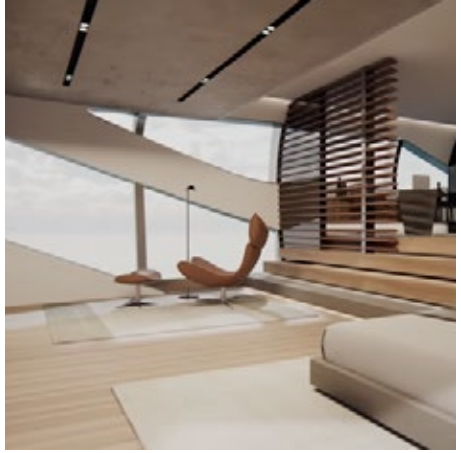
Nextworks is proud to have taken part in this big and exciting project.

The on-board systems are built on the solid foundation of a fully redundant, fibre-optic IT network, allowing guests to fully enjoy the powerful Audio/Video system with the use of the revamped iBest control interface and RTI remote controls. Room controls, telephone system and video surveillance complete the on-board system. The Cinema Room is impressive, with a large 98" TV screen and a 150" automated projector screen.

The longest yacht ever built by Benetti and the longest built in Italy by a private yard

SCAN TO SEE THE VIDEO

Benetti
ITALIAN EXCELLENCE SINCE 1873

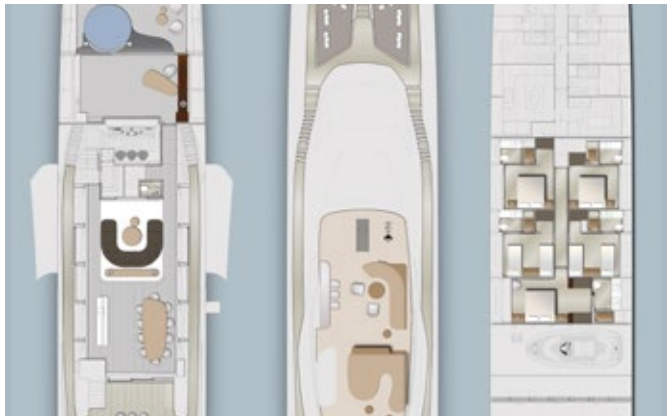


CASE HISTORY

SEALUX

M/Y Mangusta N1

50 METRES LENGTH



Comfort living / Entertainment / Networking / Communications / Videosurveillance / Monitoring & Cloud

Shipyard: Overmarine

Exterior Designer: Igor Lobanov, Overmarine
Interior Designer: M2 Atelier, Overmarine

CASE HISTORY

M/Y Baglietto Rush

42 METRES LENGTH

Entertainment / Networking

Shipyard: Baglietto

The aluminium yacht sports a modern interior and exterior design from Francesco Paszkowski with interiors created in collaboration with Margherita Casprini.

M/Y Benetti Skyler

42 METRES LENGTH

Comfort living / Entertainment / Networking / Communications / Videosurveillance

Complete refit of the Sealux platform in September 2022

Shipyard: Benetti

Exterior Designer: Stefano Righini
Interior Designer: Zuretti

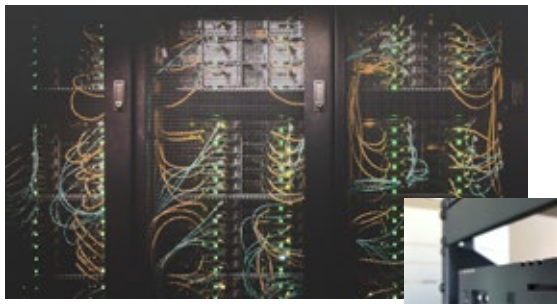
SEALUX ASSISTANCE 24/7

Remote Assistance & Worldwide Support

Nextworks is able to provide technical support up to **24/7** from our Head Office: thanks to our diagnostic facilities, we're able to provide **remote support** and resolution in most cases, limiting the in-person intervention to the minimum, and highly reducing the maintenance and management costs

Successfully delivering a project is just the beginning:
our mission is to keep our customers satisfied and loyal long after the first installation

SCAN TO SEE NEXTWORKS TICKETING SYSTEM



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