



MESPAS OFFSHORE SERVER

mespas Cube



## Easy installation, usage and synchronization

Many operators know that managing the IT-side of a technical fleet management system on board of a vessel can be somewhat of a challenge. Installing a server, maintaining it, and implementing stringent back-up procedures, all these are tasks which require profound IT knowledge.

Furthermore, crews often get creative when it comes to copying, moving or even deleting a database, which not only incur administrative costs, but may lead to system failures or data synchronization inconsistencies.

MESPAS accounts for the rough environment and the limited IT knowledge on board of vessels by introducing the mespas Cube.

The mespas Cube is an offshore server (small industrial design PC) with no moving parts, compact and handy as an external hard disk. It comes pre-configured with the vessel-specific database and the mespas R5 software.

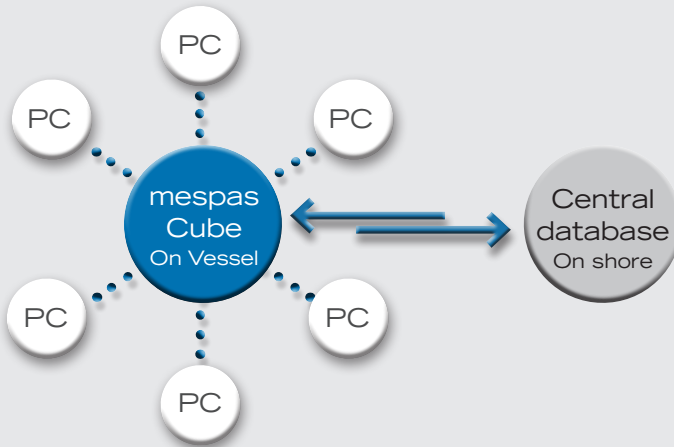
The crew needs no special knowledge, it simply connects the mespas Cube to the network on board. Everything is pre-installed, all configuration will be done automatically. In addition, synchronization between ship and shore can easily be automated.



**The mespas Cube ensures the robust and secure operation of mespas R5 on board the ship.**



## Professional solution with mespas Cube



## Preferred setup on board the vessel

- 100 mbit data transfer on the LAN
- Router with dynamic IP address distribution
- User PCs and mespas Cube are part of the same subnet

Should your situation differ from this preferred setup, please contact us. We will discuss the implementation individually.

## Installation of the mespas Cube

The installation of the mespas Cube on board the vessel consists of only two steps:

- Connecting the mespas Cube to the LAN
- Installing the mespas R5 software client on any PC linked to the LAN

After starting the mespas R5 software client, the software automatically searches the network for the mespas R5 database and will establish a connection with it. Once the connection is made, the system is ready to use.

## Advantages

The mespas Cube comes pre-configured with the vessel-specific database and the mespas R5 software. It offers the following advantages:

- Robust and stable, tailored to the marine environment
- Easy to install and operate, no specific IT knowledge needed
- Network capability and multi-user functionality
- Compliant with any common operating system
- Possibility to automate certain processes (e.g. synchronisation between ship and shore)

## Technical Specifications

- External power supply  
100 – 240V, 12V, 5 A, 60W
- 2 GB RAM
- Intel Atom processor
- Shock and vibration tolerant SSD,  
32 GB
- Linux operating system
- Passive cooling system
- Closed casing
- Operating temperature range  
–10°C to 50°C



**MESPAS CLOUD ADVANTAGE**  
The most innovative way of delivering computing resources to the shipping industry. Efficient, scalable, and offering predictable, low costs.



## MESPAS AG

Technical Management Software

Heinrichstrasse 239  
CH-8005 Zürich  
Switzerland  
Phone +41 44 271 0320  
Fax +41 44 271 7944  
info@mespas.com  
www.mespas.com