



THE TECHNICAL MANAGEMENT SOFTWARE
BASED ON CLOUD COMPUTING

mespas R5



Technical fleet management based on cloud computing

Mespas R5 is the first and only system based on the cloud computing concept, allowing Software as a Service (SaaS).

Using the mespas R5 cloud based system means you can lower capital and operational costs as well as reduce complexity. We call this the **MESPAS Cloud Advantage**.

Software and data are provided via the internet, as is the **server infrastructure**. With MESPAS, you minimize your costs for data management and IT, regardless of your fleet's size or growth rate.

All you need is standard **IT hardware** to access both application and data. There are two types of data available within the MESPAS database: Master data and customer-specific business data. Master data can be accessed by all relevant users, business data is accessible only by eligible users.

At the heart of the system lies our state-of-the-art database architecture and central server infrastructure. The future-proof technology allows you to focus on your core business rather than on IT issues or data implementation.

Benefits of mespas R5 as Software as a Service (SaaS)

Lower costs

- Minimized IT costs and eliminated IT system maintenance
- Streamlined work processes
- Transparent pricing and predictable, low costs

Save time

- Fast & simple system integration
- Minimal training needs
- Add/remove vessels as you grow

Improve efficiency

- Easy to use, highly accepted by crews
- Complete & high quality data
- Up-to-date reports at a fingertip



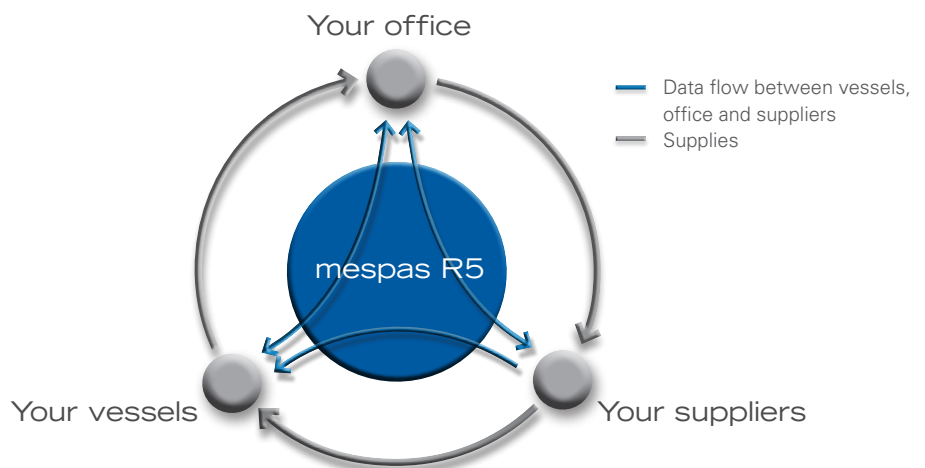
The concept

Cloud computing is all about computer services, not products. Of course, MESPAS offers state-of-the-art software products, but it's the cloud computing approach that makes us unique. Advantages:

- Infrastructure and central database are shared
- Access from anywhere via the cloud (internet)
- Vessels work with offline version, synchronization can be automated
- Software updates are included and automatically available
- Easy scalability – no limits to growth
- Low initial investment required

How it works

Office staff access the central database, containing the entire fleet's information, through a secure internet connection, no matter when and where they are located. Crews aboard the **vessels** work offline by accessing the database on board. Regular synchronization of data ensures that both ship and shore work with the same up-to-date information. **Suppliers** communicate with your office staff via the **mespas R5** platform. Working with a single, integrated central database is the basis for efficient information flow and offers transparency throughout the entire procurement process: from purchase requests to RFQs, offers, and acknowledgement of goods received. Thanks to mespas R5, you speed-up the purchasing process, manage invoicing, accounting and budgeting, and eliminate manual data-entry.



What does the SaaS concept mean to you

Lowest total cost of ownership

- No need to buy, operate and maintain central IT hardware
- Future software updates and enhancements are included
- Improve your fleetwide maintenance and quality standards

Transparency

- Real-time overview from technical and commercial perspective
- Business intelligence tool for fast return on investment

Efficiency

- Dashboard and clear work instructions for simple prioritizing of tasks
- Automated ship-to-shore synchronization and software updates, with only small size data transfer
- You always work with the latest software version

mespas R5 software products & services



Integrated technical fleet management software

Our software is ingenious and easy-to-use, both for the crew aboard as well as the office users ashore. The system comprises all standard must-have software modules and covers every aspect of maritime technical fleet management:

asset management, procurement, crewing, and reporting.

Crew members, for example, enter details of work carried out, update stock levels, submit purchase requests and view all relevant documents. Office users are provided with a continuous overview of work carried out across their fleet. Upon synchronization, the data is immediately available for planning, purchasing, budgeting, reporting, and as the basis for informed decisions.

The scalable and modular mespas R5 software system meets the needs of management, office staff and crews. Classification societies value mespas R5 for its transparency and currentness of data in order to conduct periodic surveys.

Supply management

The mespas R5 supply management application is a **platform where buyers and suppliers meet**. Best of all, suppliers can download and install the supply management application free of charge.

Being part of the platform means two things for suppliers: buyers will find them quickly, and they can communicate with buyers directly within the application (return quotes, receive orders, etc.). This eliminates errors, speeds up the process, and reduces manual work, both on part of the suppliers and on part of ship owners and managers.

The application is integrated with mespas Procurement, ensuring a seamless end-to-end procurement process. To date, more than ten thousand suppliers can be sourced within mespas R5.

Software is a living entity

We continuously develop and enhance our modules to reflect our customers' needs.

Software updates and releases as well as new master data are distributed with minimal effort via the central server.

Our customers do not have to worry about implementing new releases or staying ahead of new master data – it is already available in the central MESPAS database.



Easy system integration

The increasing requirements of integrating the mespas R5 software system with other business software applications, such as accounting or ERP systems, can easily be met. Both our database as well as data protocol capabilities were developed to allow for easy customization and system integration. MESPAS facilitates your seamless business process needs.

MESPAS Cloud Advantage



Cloud computing is a new way of delivering computing resources, not a new technology. The cloud based model allows to access and operate software and data as a service via the internet, the so-called "cloud". It's the most efficient, scalable and innovative way of running technical fleet management software – and presents a low-cost, flexible alternative to the have-your-own-software approach.

With MESPAS Cloud Advantage tasks such as licensing, installing, maintaining and supporting the application on every computer are eliminated. All you need is standard IT equipment and an internet connection to access your business data and the market's largest master-database as well as the server infrastructure. For use aboard ships, mespas R5 is managed offline. Data transfers and software updates are conducted via regular synchronization.

MESPAS provides one single, integrated version of the software system to many customers. Evidently, it is far more cost-efficient to develop and support one version of the software and one set of data than to maintain a variety of software versions locally on a number of servers. You not only save on money and time, you also save on manpower as you no longer have to update master data or upgrade to new software versions. This is done on the MESPAS central server with practically no customer involvement.

The cloud-based model eliminates complexity associated with owning IT infrastructure and applications. The MESPAS web-based service includes security, backups, implementing software upgrades and other IT related tasks.



Value added services

- Database building: MESPAS enters all the vessels' master data.
- Project Management: Dedicated project managers assist you with the definition and configuration of maintenance standards and other processes in the application.
- Software updates: On a regular basis, MESPAS releases major software updates at no additional costs as part of the standard package.
- Managed IT Services: We host, operate, maintain, and upgrade the central server according to highest industry standards.

Cloud Advantage

- Save money
- Save time
- Access from anywhere
- Add/remove ships as you grow
- Reliability and performance
- Always current software and data
- Low entry and exit barrier



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Technical Management Software

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