

 Remember me

Maritime Software Solutions

# More than just Fleet Management



**MESPAS is the world's leading fleet management software solution provider based on cloud computing, and the fastest growing Software as a Service (SaaS) company in the maritime industry.**

MESPAS' solutions cover the **variety of functionality** required for technical fleet management: asset management, online procurement, QHSE, stock- and document management, compliance and financial monitoring.

And **MESPAS is unique** among the fleet management software companies in the maritime industry: all our products are provided on a **cloud based multitenant infrastructure** – the core of our solution architecture, since more than ten years.

Enabled by this exclusive approach, our customers can count on unrivalled **implementation speed**, transparent and moderate ramp up cost and synergies gained across the maritime industry; i. e. by updating manufacturer maintenance manuals once, making them instantaneously accessible for the entire MESPAS community.

Hence, our customers can focus on their **core business** rather than on ICT issues or data implementation, and effortlessly add new vessels as the business grows.

Moreover, the information collected on the centralized infrastructure proves to be an unexampled asset for **analytics and optimization** purposes – e. g. for comparing the KPIs of a specific fleet with industry benchmarks or evaluating price trends for certain supplies in specific regions.

To get the most out of MESPAS products, **access our expertise** in terms of project management, data implementation, reporting, analytics and optimization, managed IT services, technical support, training and consulting.

## Benefits of the MESPAS Concept and the Software as a Service (SaaS) approach

### Lower Costs

- Minimized IT costs & eliminated IT system maintenance
- Transparent pricing & predictable, low running efforts
- Fully automated product updates & ship to shore synchronization at no additional fees

### Save Time

- Fast & simple system integration
- Project implementation in 8 – 12 weeks, guaranteed
- Minimal training needs
- Flexible & scalable system

### Optimize Efficiency

- Fully integrated procurement solution
- Easy to use, highly accepted by crews
- Complete & high quality data
- All stakeholders using one single platform

### Maximize Transparency

- Real time technical, financial & commercial overview
- Fleet-wide transparency for straight-forward compliance with internal & external stakeholders
- Corporate QHSE at a glance
- All kind of reporting & analytics possibilities

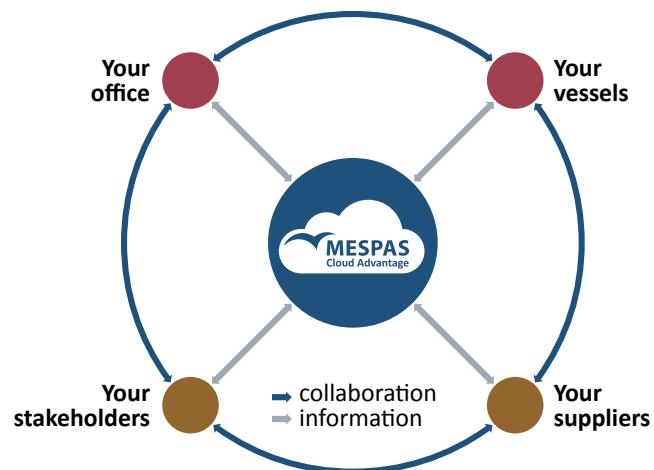
## The Unique Concept behind MESPAS

All MESPAS products are connected to the MESPAS heart – a centralized multi-tenant infrastructure. This core component collects and provides all data, product functionality and business processes – and automatically deploys software updates to local installations, in particular to vessels.

**Office** staff accesses MESPAS products and information online, through a secure internet connection, no matter when and where. Crews aboard the **vessels** work offline by using MESPAS products on board – all relevant information is regularly mirrored with the infrastructure ashore.

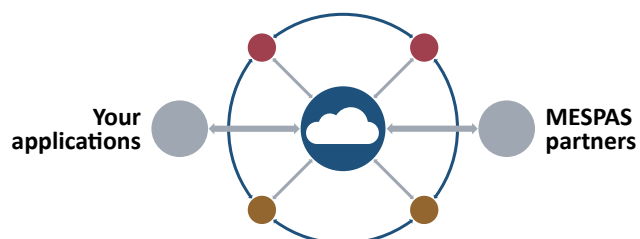
**Suppliers** are receiving requests for quotations as well as purchase orders via the same MESPAS concept – this is the basis for efficient information flow and ensures full transparency, e. g. regarding the status of purchase requests or purchase orders. The process is straight-forward: crews simply acknowledge goods received and update their stock levels, while office staff proactively manage invoicing, accounting and budgeting processes.

Finally, **other stakeholders**, that might be interested in available information or that are searching for analytics and optimization potential based on the data collected, can easily access online reports and analytics; i. e. ship owners selected budget figures, classification societies addressed risk management measures or evaluated industry trends. Obviously, accessibility is limited to the information the respective data owner is willing to share.



## Customization and System Integration

The increasing requirement of integrating MESPAS products with other business software applications, such as accounting or ERP solutions, can easily be met. Both, MESPAS' standard interfaces and data transfer formats have been designed for seamless integration with other software vendors and individual databases. MESPAS facilitates straight through processing wherever required to ensure uninterrupted business flows. Moreover, our ICT teams are glad to specifically realize individual software components, should our standard interfaces not perfectly fit or where individual features need to be provided to our customer community.



## Physical Asset Management



The core of our product portfolio. While our system architecture is unique among the providers of similar products, our range of ergonomic and reliable software modules encompasses all standard “must have” fleet management features.



**Planned Maintenance** – seamless planning of your assets maintenance, including required human resources, spare parts, deadlines; definition of alerts, assignment of maintenance documents and configurable job cards, disclosure of dependencies, etc.



**Procurement** – straight-forward and fully integrated procurement, spare parts and consumables uniquely identified due to supplier reference numbers, 2.5 million parts available out-of-the box and thousands of suppliers offering online at no additional cost.



**Stock Management** – spare parts and inventory positions assigned to maintenance tasks, automatically updated by procurement activities, linked with your budget figures. Definition of critical parts, alerting for mandatory inventory levels, etc.



**QHSE** – Quality, Health, Safety, Environment. Ensuring respective quality management processes and track records, audit trails, allowing for risk assessment, definition of risk mitigation measures and incident management, etc.



**Document Management & Form Manager** – 40 000 maintenance and product manuals, continuously amended on our centralized infrastructure, available to our customer community immediately after manufacturer updates, configurable forms for incident reports, checklists, and more.



**Operations** – configurable monitoring for crucial processes, flexible alerting mechanisms. All KPIs accessible via dashboard module and the MESPAS Analytics solution; extending access beyond single installations in case you’re running multiple assets like a maritime fleet or multiple production plants.



**Dashboards** – a variety of management- and monitoring-information out of the box. Combined with flexible alerting mechanisms, available to the stakeholders you’d like to grant access, supporting all relevant platforms, integrating key insights of the MESPAS Analytics solution.



**Compliance** – ensure compliance with your internal guidelines or specific industry regulations by collecting and reporting the required asset management information – or reuse our compliance reports (i. e. port authority or classification society reports for the shipping industry).



**Task and Inspection Management** – task management for all your unplanned maintenance and general tasks, allowing for assigning duties to human resources, recording fulfilment and more. Pre-process equipment inspections, manage corrective activities such as warranties, claims and repairs.



**Budgeting and Invoice Management** – Assign financial resources to your assets or particular components and track situations, directly updated by procurement and maintenance activities, handle invoices online and seamlessly update your accounting solution.



**Noon-Report** – tailored for the shipping industry, report all relevant information to the respective stakeholders, reuse the information already available and automatically transmit your report to your owners, charterers and your on-shore premises.



**Multiple Platform Support** – our modules are available for various platforms, including iOS and Android native mobile components; dashboards and reports are accessible via web in order to ensure availability wherever you are, whatever platform you’re using.



**Standard Interfaces** – we’re ready to integrate; no matter what information needs to be interchanged with other applications like accounting systems, our standard interface modules will either be a fit or else we’ll individually tailor the required integration for you.

## Value Added Services

- **Vessel configuration:** MESPAS Physical Asset Management comes with all the vessels’ master data and documentation – any part, product or information is entered exactly once into the database, ensuring comparability and highest data quality
- **Project Management:** dedicated project managers assist you throughout the entire implementation process of your company specific standards and processes
- **Individual services:** implementation of individual reports, forms, critical spare part definition and analytics or MPMS approval assistance, consulting, and more

## Software is a living entity

We continuously develop and enhance our modules to reflect customers specific, regulatory and technological needs.

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

It’s not our customers who have to worry about implementing new releases or staying ahead of new master data – it is all provided by the central MESPAS infrastructure.



## MESPAS Cube

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

The MESPAS Cube is an offshore server (small industrial design) with no moving parts, compact and handy as an external hard disk. It comes pre-configured with the vessel-specific information and the MESPAS fleet management software solution. In addition, it features a built-in interface to communicate with other systems, e. g. condition monitoring systems.



The MESPAS Cube ensures the robust and secure operation of MESPAS products on board the vessel.

## Supplier Business Management



The products completing the MESPAS community **supply chain**: our Supplier Business Management Solutions BASIC (free use for MESPAS suppliers) and ADVANCED. Being a supplier in the MESPAS network means **participating in a constantly growing order volume** of already many million USD per month. And it means **reducing transaction and administration costs**: You will receive requests for quotation electronically, structured and with part identifications – you will be able to offer your goods and services straight-forward, with just a few clicks.

The ADVANCED version at moderate subscription fee is **perfected with additional features** to optimize your business processes, like tracking open purchase requests, a history of accepted and declined offers, total revenues with individual customers, upselling ratios and other buyer analytics.

Wondering how to optimize your visibility within the MESPAS community? Just get in touch with us.

## Analytics



Technical fleet management operation generates a **huge amount of data** and documents, every single day – ashore and on board vessels. This information needs to be **evaluated, structured, combined and summarized** for internal management purposes as well as for external stakeholders, such as ship-owners, port-authorities, classification societies, customers and more.

The MESPAS analytics approach was designed bearing this variety of stakeholders in mind and enables all kind of data evaluation **from simple reporting to sophisticated analytics** – accessible via web and mobile platforms and customizable for individual requirements.

And MESPAS combines your data with oceanographic, meteorological, geopositioning and economic information – allowing for the **rich set of business and technical performance indicators and reports** which is integrated in our Analytics product. Whether you would like to optimize the consumption of chemicals, lubrication oil or fuel. Or estimate future maintenance cost of a vessel given past data, or streamline planned maintenance tasks.

Moreover, the MESPAS multi-tenant architecture opens a wide space of **industry-wide insights**. Would you like to compare offered prices with industry averages or see how your KPIs match with industry benchmarks and hereby unveil optimization potential? It all is possible being part of the MESPAS community.



## Reporting

How often have you had the need to receive – shortly before a meeting or an audit – the required information in a consolidated format, without prior extensive search or validation of data from different sources and in different formats? The web-based MESPAS Reporting Engine provides the required data in every detail or as KPIs. Access online or schedule regular reports which will be conveniently sent to you by e-mail.

## Mobile Platforms

Or just present the required information online on your handheld – spontaneously, online, wherever you are – based on our iOS and Android Apps.



The most innovative way of accessing and using ICT solutions in the shipping industry. Efficient, scalable, complete – at predictable, low costs.



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