

# Cloud Fleet Manager

#### Imprint

Cloud Fleet Manager Product Portfolio Edition 2.3, 2022

#### Publisher

Hanseaticsoft GmbH Poßmoorweg 2 22301 Hamburg Germany

#### CEO

Alexander Buchmann

#### Managing Editor

Max Hagemann

# Interested in Cloud Fleet Manager?









#### Hamburg Main Office

Hanseaticsoft GmbH
Poßmoorweg 2
22301 Hamburg
Germany
info@hanseaticsoft.com
+49 (0)40 180 377 47

## Copenhagen Branch Office

Hanseaticsoft ApS
Harbour House 2
Sundkrogsgade 19
2100 Copenhagen
Denmark
info@hanseaticsoft.com
+45 6155 2982

#### Singapore Branch Office

Lloyd's Register
9 North Buona Vista Drive
#02-01 The Metropolis Tower 1
Singapore 138588
info@hanseaticsoft.com

## **London**Branch Office

Lloyd's Register
71 Fenchurch St.
London EC3M 4BS
United Kingdom
info@hanseaticsoft.com

Challenging times	2
It's time for change	4
Cloud Fleet Manager	<del>6</del>
Our packages	ε
Cloud Organisation	10
Portal	12
Vessel Particulars	14
Companies	15
Partner Portal	16
Ports & Yards	17
Employees	18
Users	19
Files	20
Cloud Crewing	22
Crewing	24
Crew Portal	26
Medical Logbook	27
Cashbox & Bonded Store	28
Pharmacy	29
Accommodations	30
Cloud Efficiency	32
MRV & IMO DCS	34
PowerBI Integration	36
Bunker	37
Event Reporting	38

Cloud Purchase	40
Purchase	42
Inventory	44
Cloud Operation	46
Charter	48
Off-hires & Claims	50
Schedules & Agents	51
World Map	52
Cloud QHSE	54
Procedures	56
IHM	58
Inspection Report	60
Inspections & Audits	62
Incidents	63
Circulars	64
Risk Assessment	65
Emergencies	66
Cloud Technical	68
MARPOL ERB	70
Blog	71
Disturbance Report	72
Certificates	74
Cloud Maintenance	76
Maintenance	78
Why choose Cloud Fleet Manager	80
About Hanseaticsoft	82

# Challenging times for shipping

Just when it felt like the shipping industry was finally able to recover from the crisis that emerged in 2009, there are new challenges on the horizon. The pandemic has sharpened the focus on how technology will shape the maritime world in the future.

We are faced with a new reality, where working remotely, video conferences and continuously changing conditions have become the new normal. To compete in this new environment, companies need to accelerate the adoption of new technologies to keep pace with current and emerging competitors.

Embracing new technologies is no longer just about doing things better, faster, and cheaper. It now has implications on survival and growth in a new business reality.

56% of executives agree that cloud migration has become an absolute necessity.

A digital revolution is coming. As we fundamentally alter the way we live and work, once-simmering changes are now driving a digital revolution – whether your organization is ready or not.

KPMG: Enterprise Reboot 2020 - Scale digital technologies to grow and thrive in the new reality



## It's time for change

#### Technology is a game changer

Despite some steps in the right direction, too many shipping companies are still being held back by legacy IT systems and antiquated processes. Across the globe, technology is driving the most significant changes to business processes and ways of working since the industrial revolution.



Smart IT solutions can help you boost your companies earnings and help to overtake sluggish competition.

## The secrets of **success**



4 It's time for change



Cloud Fleet Manager

# A cloud-based game changer

Cloud Fleet Manager is the cloudbased all-in-one software solution for shipping companies. The system is web-based and can be used without any tedious installation processes. It centralises all information by removing data silos and provides insights to all employees as well as crews at sea. The cloud-based design of the application gives you the freedom to use

it anytime, anywhere and browser-independent. Even on your smartphone, you always have access to the most important information. Cloud Fleet Manager offers appli-

cations that are optimised for all the different departments of your company. It increases collaboration, streamlines processes, and is intuitive to use.



#### The Cloud

Save your time and don't worry about servers and licenses anymore. The Cloud is taking care of it for you. Just start your browser and focus on your daily work. Benefit from full access to your data - no matter where you are, no matter what time of day it is.



#### The Portal

Full transparency for your company. The Portal aggregates all relevant information about your fleet in one central place.

New information entered by your colleagues on board or ashore is automatically available in your browser or on your mobile device. No need to manually share data by email or Excel anymore.



#### SaaS

Purchasing a new software always comes along with a high risk, a huge investment and hidden costs. With Software as a Service you just pay for what you use. No hidden costs, no upfront fees, no update charges, no maintenance costs. Just a monthly fee.



#### The Apps

We believe that software should be intuitive, expedient and fun to use. When launching our apps for the first time you will immediately experience the efforts we put into our user interfaces with one goal: Making sure the individual apps will guide you safely and over the shortest possible path through your daily tasks.



#### The Ship Client (CSM)

Don't just stay connected with your fleet, empower your colleagues to become an active part of your ship management processes. Cloud Ship Manager makes sure all data from or to CFM is synchronised fast and automatically.

And program updates? Well, synchronise your fleet with a few clicks and see it updated in hours, not months.



#### Mobile

Indeed, your company fits into your pocket. Access the most relevant data of your business comfortably and beautifully compiled with your iOS or Android smartphone. Act faster than ever before and always be one step ahead.



#### **Cloud Organisation**

This package and its modules offer you a central platform for your core data. It allows the creation and administration of employees, users of CFM, vessels, ports, yards, form sheets as well as your partners. The master data from this package is shared and usable across all other modules.

#### **Cloud Crewing**

The Crewing package allows all crew-related processes to be centrally coordinated and carried out. It includes areas such as the master data management of seafarers, planning the crews on board, relief planning, management of working and rest hours, officer's matrix, detailed reports and automated payroll.

#### **Cloud Efficiency**

With our Efficiency package you are not only able to easily comply with the European Commission's requirements for MRV of your emissions and the IMO DCS, but will also gain valuable insights into your operational data thanks to our Power BI integration. Seamlessly create and share powerful statistics and graphs, and drive a data culture across your organisation.

#### **Cloud Purchase**

The Purchase package optimally integrates into the value chain and assists the user in realising time and cost advantages within the purchase lifecycle. The package includes everything you need including full budget control. From the initation of requisitions to the approval of orders up to the delivery, all is handled centrally. Suppliers can easily answer enquiries with the inquiry-webform.

# Our packages

#### Customise Cloud Fleet Manager to your needs

Our packages are specially adapted to the requirements of the different departments of your company. Bundled premium apps ensure you have the tools at hand that are needed to handle your daily tasks. Providing Cloud Fleet Manager as a Software as a Service (SaaS) solution offers you the flexibility to simply choose the packages that are right for you. All you need to do is open up your browser and start working – no installation required, no new hardware or licenses. It's that easy.

#### **Cloud Operation**

The Operation package contains modules to handle the chartering of your vessels and manage off-hire periods and claims. You can create and administrate the schedules of your fleet and their respective agents as well as visua-lise the movement of your fleet.

#### **Cloud QHSE**

This package focuses on the protection of the environment, the health and safety of employees as well as all persons involved in the production process. The package includes modules for the easy and fast execution of inspections, documentation of incidents, the assessment of risks for tasks and the dispatching of instructions for the fleet.

#### **Cloud Technical**

The Technical package is designed to optimise the efficiency and knowledge transfer within your fleet. This package contains modules to handle ship-related service requests, to centrally enter and administrate all certificates, handle waste management and to keep track of your bunker.

#### Cloud Maintenance

The Maintenance package provides you with everything you need to prevent technical failures and thus costintensive delays. With the aid of cash flow planning, approval processes and categorising of jobs, the Maintenance package renders all maintenance tasks as easy as possible.

8 Our packages 9



# © Cloud Organisation

The Organisation package offers you everything you need to enter and administrate your core data at a central point. All relevant data is shared automatically throughout all modules. From the creation and administration of users and employees to the management of vessel particulars, ports, yards and partners - everything is available in one place.

Once entered, all users have access to one single pool of information. Whether you need insights into the schedules of your fleet, vessel consumption charts or your colleagues' absences - all information is reliable and centrally accessible for you at the right time and place you need it.

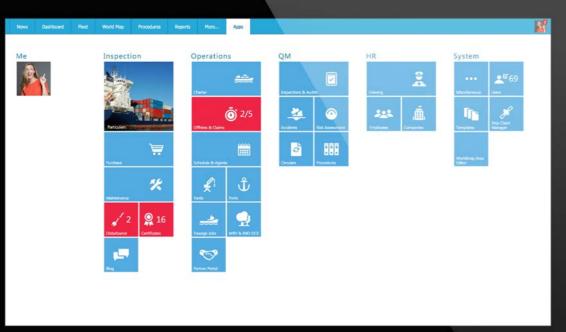


#### Your starting point for a successful day

With CFM Portal, all your employees have access to one central source of information. Every onshore user has a clear dashboard view of the latest and most important information on staff, departments and ships right at the beginning of the workday. Whether

it's a crew change, expired certificates or staff absences, you can efficiently identify critical incidents and prioritise your response. Acting as your starting point for all other modules. CFM Portal ensures a successful start of your day.





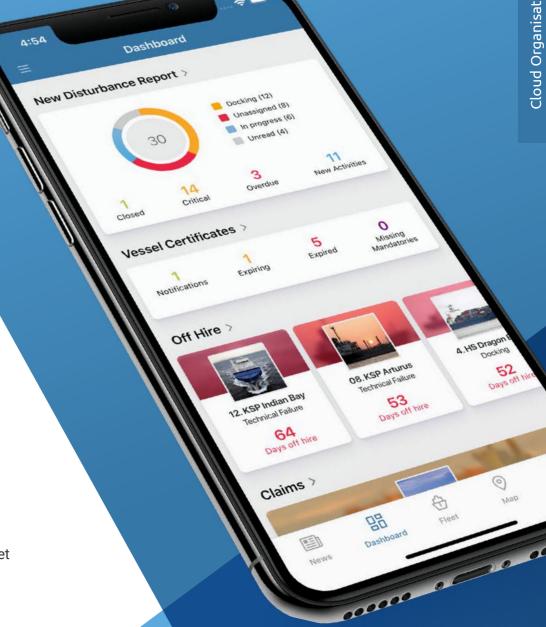
#### Access to all vessel details

Select a vessel and get an immediate overview of your current crew, reported events, the vessel certificate status or agent details. Prepare for vessel visits by downloading your vessel plans and documentations on the fly, check your vessel particulars and qualify disturbance reports or purchase orders. You don't need to worry about time, place or device. Start your notebook at home, in the hotel lobby after your last inspection or get a quick mobile update before your meeting at the shipyard starts.

#### On your mobile

All the information that is most relevant to your actual business now fits in your pocket. Our mobile app enables you to check crucial information and supports you in your decision-making processes right when you need it.

- Fast and uncomplicated access to all relevant information about your fleet
- Full transparency no need to ask colleagues for information
- Global reports and KPIs
- Holiday and travel management for all employees
- Dashboards showing you exactly what you need to know about your fleet
- Works in your browser and on your mobile device



#### Administration of all vessel's master data

With CFM Vessel Particulars you set up the foundation for your successful vessel management. Record and maintain a vast amount of specific data for every vessel and let your departments benefit from data such as dimensions, capacities, propulsion, consumptions or delivery information for a smooth acceleration of

their individual businesses. Share your vessel particulars with charterers, crew recruitment or other service providers and become even faster in making the right decisions - say goodbye to a variety of fleet lists scattered across the company.

#### Key features

- Upload and administration of vessel plans and documents
- Historisation on vessel names and flag state changes
- Basis for all vessel-related apps and CFM Portal
- Graphical overview of the chronological fleet growth
- Detailed specification of general vessel data and particular sections like communications, dates, deck, propulsion, consumptions and IT

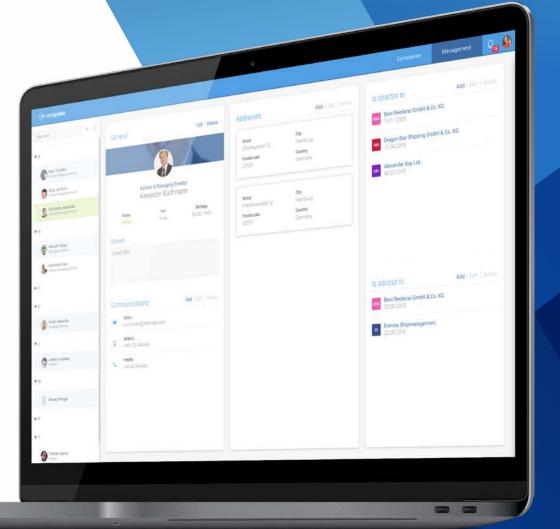


# **EXECUTE** CFM Companies

#### Keep a record of your vessel companies

Maintain master records of vessel companies and other linked businesses along with their management contacts, banking details, relevant documents and company structure. With CFM Companies you can be certain your staff always has the correct information at hand.

- Information is available across all modules
- Management information fast at hand
- All relevant information of your vessel companies in one place



## **CFM Partner Portal**

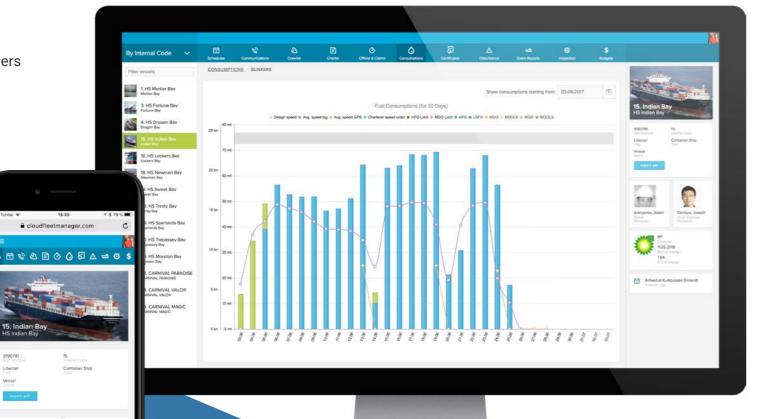
#### Involve your partners

Let your partners, investors and contractors securely access read-only internal information like vessel schedules, crew lists and contact details. By making them part of internal processes, collaboration becomes more efficient and productive. Just share

the individual login details and your partners can easily access data from a desktop or mobile browser. Exchanging information using emails will be a thing of the past.

#### Key features

- Full transparency for your partners
- Easy definition of access rights
- Insight into data on the move
- Valuable information transfer to collaborators

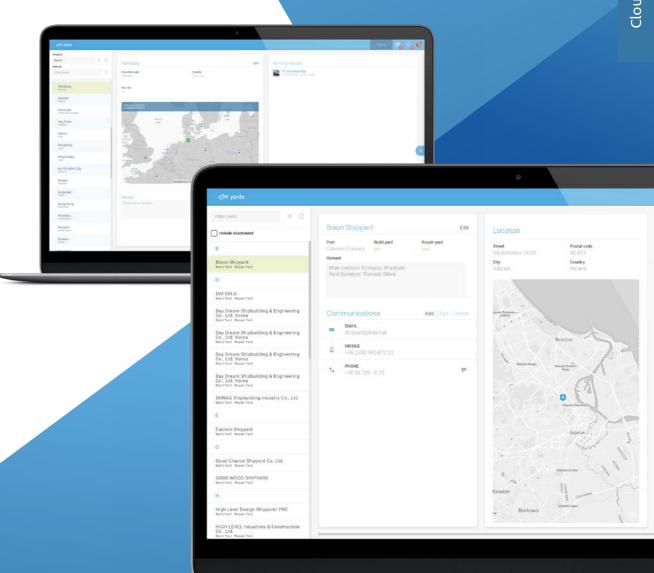




#### Manage ports and yards

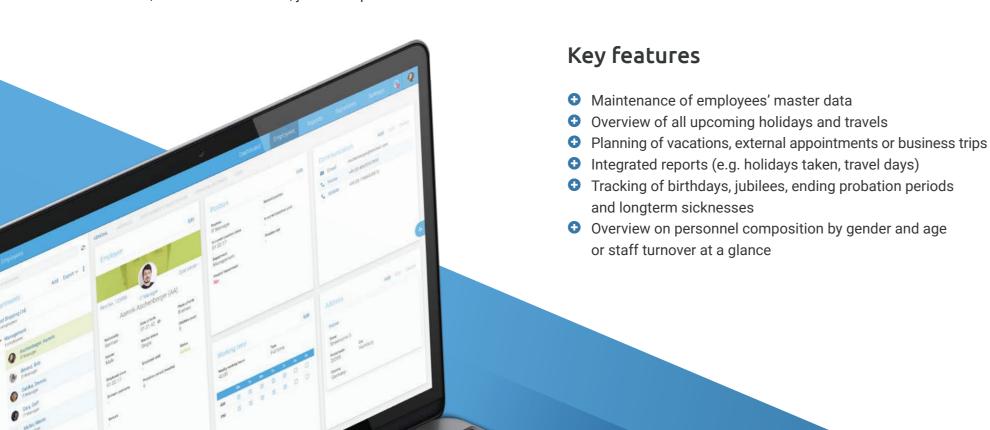
One place for all port and yards' master data helps you find contact details and other information quickly. Define if ports are in war zones and forewarn your crew. Access yard data like dock dimensions and contact details without the need to request information.

- Easy and central master data management
- Add communication details and remarks to all ports and yards
- Special attributes: Definition of ports in war risk zones, definition of whether yards are build and/or repair yards



#### Managing your staff has never been easier

Make all staff information visible and accurate with CFM Employees. Organise your staff within departments, define regular working days and hours, vacation entitlement, job description and contact details. Manage holidays, travels and any other absence of your employees within a single view.

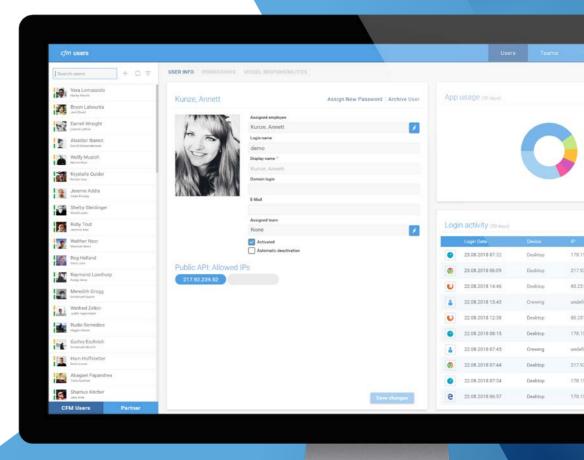




#### Easy user administration and maintenance

Manage new and existing Cloud Fleet Manager and CFM Partner Portal users in one module. Grant access to the available modules, assign responsibilities to vessels or simply use predefined templates to set up a new user with just a few clicks. With the available reports and dashboards you get interesting insights on usage and used devices.

- User creation with just a few clicks
- Easy definition of access rights
- Users are immediately able to start working
- Easily create Fleet Teams
- Templates available to e.g. define rights for users of certain departments



#### Share data across your team

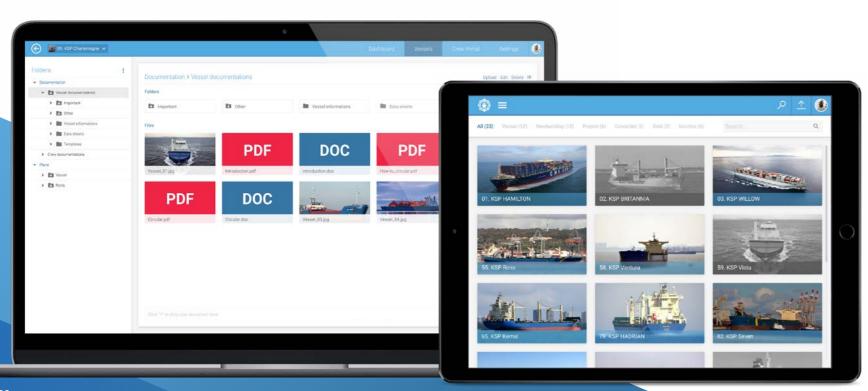
With CFM Files you can keep all your relevant data in one place and make it centrally available to employees. Whether images, videos, audio or text files, simply upload your data to CFM Files and make it available to colleagues – regardless of time or location.

It is also possible to make specific files available for external partners through CFM Partner Portal, easing collaboration and exchange of information.

To enhance clarity you can structure your files using folders or by simply using categories. By creating templates, you also

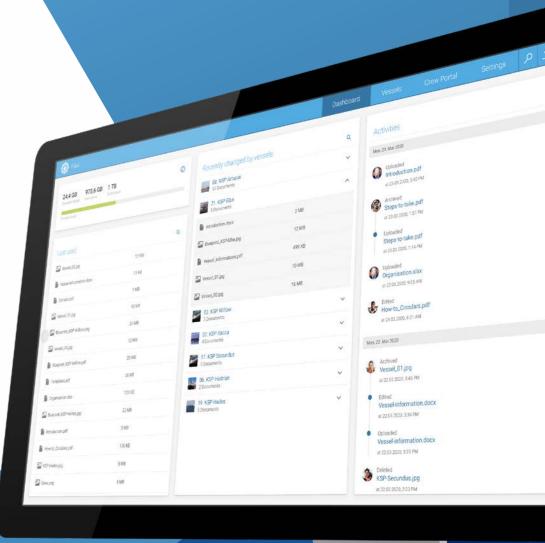
have the option to pre-define folder structures for vessels or specific vessel types, enhancing data consistency.

In conjunction with a highly detailed search function, you can access the data you need within seconds.



To prevent loss of any data, it is possible to either work with multiple versions of a file or to determine that all files should only be archived instead of deleted. Giving you the certainty that no information will ever be lost and the option to review any file at any time.

- Previews of all PDF files and images for a fast overview
- Option to share specific files with external partners
- Detailed search functionality for swift access to data
- Option to manage files that are available in CFM Crew Portal





# Cloud Crewing

Connect on- and offshore teams to collaborate on every aspect of crew administration with Cloud Crewing. Prepare on-board payroll or travel expenses and monitor requirements on crew certification in line with complex international, company-, charterer- or vessel-specific standards.

Manage personal data, integrate your agencies into processes, plan shifts and schedule crew changes. With detailed reporting and auditing, the Crewing package also caters for specialist nautical requirements like the officer's matrix for tanker crewing and rest period documentation. With Cloud Crewing you can make sure that your crew management always has relevant information at hand and that your crew is well prepared.



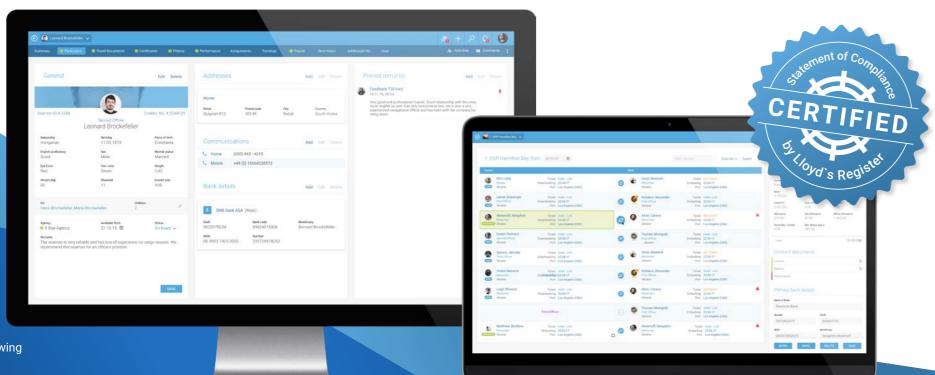
# **CFM Crewing**

#### The All-in-One solution for professional crew management

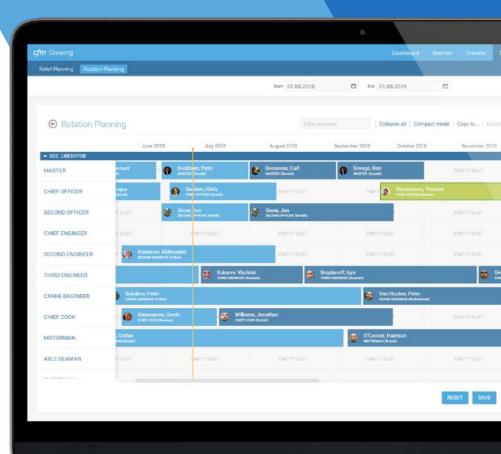
CFM Crewing enables you to handle and coordinate all crew-related procedures in one central place. Thanks to a direct integration of your agencies, you can streamline processes and minimise effort for communication. CFM Crewing's scope includes areas such as the master data management of seafarers, planning the crews on board as well as their relief, management of the working and rest hours of the crew, detailed crew-related reports and the complete and automated billing of the crew using public APIs that can be accessed by your preferred applications for bookkeeping and cash management.

CFM Crewing comes along with an easy to handle but extensive user roles and rights

management, assisting you in customising the work spaces of your users. By making the crew part of all processes, CFM Crewing focusses on building interactive teams that are steadily optimising the crewing processes. With an optimal level of planning and support of daily tasks, CFM Crewing ensures that your most valuable asset is well supplied.



- Crew data management, planning and payroll in one solution
- Advanced navigation throughout the whole application with minimum clicks
- Interactive dashboard reminding you of pending actions
- Fast and intelligent search for seafarers by keywords or advanced filters
- Extensive activity reporting
- Focused crew status tracking by meaningful icons and colour indicators
- Effortless crew planning with drag & drop
- Continuous mandatory documents check and visualisation of errors
- Officer's matrix with direct upload to OCIMF and Q88
- Travel expense registration, experience management and performance reporting on board and ashore
- Integrated reporting (e.g. embarkation, promotions, performance)
- Automated suggestions on missing reliefs
- Crew Portal, enabling seafarers to manage their data and documents autonomously
- Capturing and verification of rest hours according to MLC 2006
- Preparation of payroll directly on board or ashore
- Flexible wage scale management for voyage and permanent
- Extensive role and rights management
- Payroll-API to feed external accounting solutions (e. g. SAP)
- Detailed setup of mandatory certificate requirements per rank on STCW-, flagstate-, company-, charterer- or vessel-level



#### Reduce administrative burden

With CFM Crew Portal, the management of crewing processes becomes much simpler and more transparent while reducing administrative effort. It enables your seafarers to autonomously view and manage their personal data such as certificates and to access company news and shared data. This is supported by a detailed user role concept allowing you to define access privileges just the way you need. The crew can simply view upcoming assignments, check alerts for document renewals and download relevant files on their desktop, tablet or mobile.

#### Crew Portal Mobile

Crew Portal Mobile gives your crew the flexibility to manage and access their data regardless of location. Your crew can simply log into the mobile companion app of the Crew Portal and manage their data on the fly or check their next assignments using their favourite mobile device.

#### Key features

- Works in the browser and on your mobile device
- Enhances retention rate and commitment of your crew
- Intuitive and easy to use interface for the crew
- Significantly reduces administrative burden for related parties, such as crew manager or manning agencies
- Increase crew's autonomy, crew data quality and availability

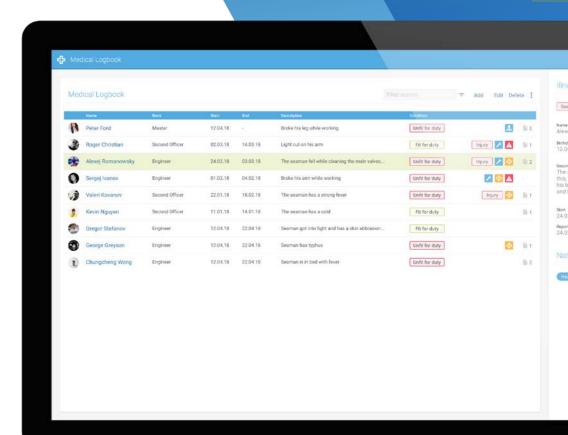




#### All crew related-medical data in one place

CFM Medical Logbook offers a central place for the use on board to record and administrate the medical history of all seafarers with a detailed overview about the latest examinations, medication and current status. The module is supplemented by medical inventory checklists and a handy list of requirements for a ship's medical chest to make sure that the crew is always well supplied and can act accordingly in cases of injuries or sickness.

- Overview of the whole crew's sickness status and history
- Integrated into CFM Crewing
- Export options: TMAS Protocol, German Standard
- Select items from CFM Pharmacy and directly prescribe medicine to seafarers who have an applicable medical record (in CFM Medical Logbook)



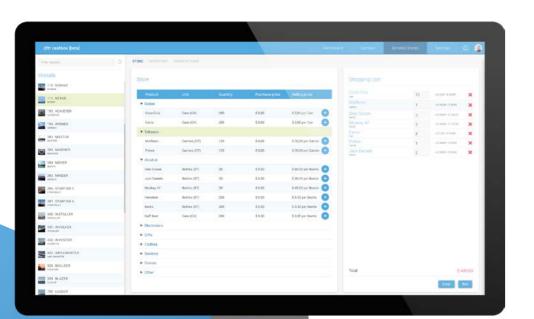
# CFM Cashbox & Bonded Store

#### Simplify handling of cash on board

CFM Cashbox & Bonded Store makes it much easier to handle cash on board. Just setup your default currency cashboxes ashore and synchronise to your fleet. For a smooth transition from paper to digital work, your crew needs to register the initial balance only, and is ready immediately.

CFM Cashbox allows you to keep track of all cashbox transactions and raise a cash to master request when new money is needed. CFM Bonded Store seamlessly integrates with CFM Cashbox and assists you in registering all transactions in your shop on board.

For both, seafarer-related transactions will be transferred to payroll automatically, therefore avoiding extra work and risk of errors. Accessing the app ashore you can monitor all transactions throughout your fleet and manage cash to master requests.



#### Key features

- Currency-independent cash administration
- All transactions are documented and comprehensible
- All cash boxes and inventories of the fleet are always accessible from the office
- Full visibility over all purchases on board as well as advance or cash payments
- Option to create inventories and add minimum durability
- Cash to Master request management

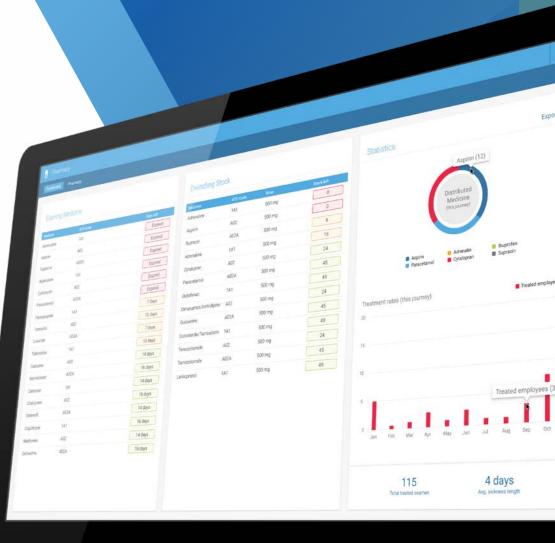


#### Ensure a healthy crew

Manage and administrate all medication on board easily and comfortably with CFM Pharmacy. The app enables you to do an inventory of all medicine on board, record who has received what kind of medication and also track expiration dates.

#### Key features

- Central management of all medication on board
- Facilitation of medical supply administration
- Full transparency about dispensing of medical drugs
- All information is always accessible from the office
- Option to create inventories and add minimum durability dates



28 CFM Cashbox & Bonded Store

## **CFM Accommodations**

#### Easily manage the accommodation of your crews on board your vessels

CFM Accommodations gives you all the tools needed to centrally plan the placement of your crew on board, stress-free and in a time-saving way. Simply create an overview of all cabins and bunks on board and

manage and plan their occupancy completely digital.

When planning an upcoming voyage, you can simply select your crew members, define the duration of their stay, and

Guest List Directory Timeline 27

assign them to cabins and bunks, preventing any double occupancy or errors. In cases of uncertainty regarding the availability of bunks, using the cabin overview you can quickly review information on the status of all bunks on board. Thanks to a clear visualisation, you are able to always check their status at a glance and see if they are occupied, available or if a check-in or check-out is coming up or even overdue.

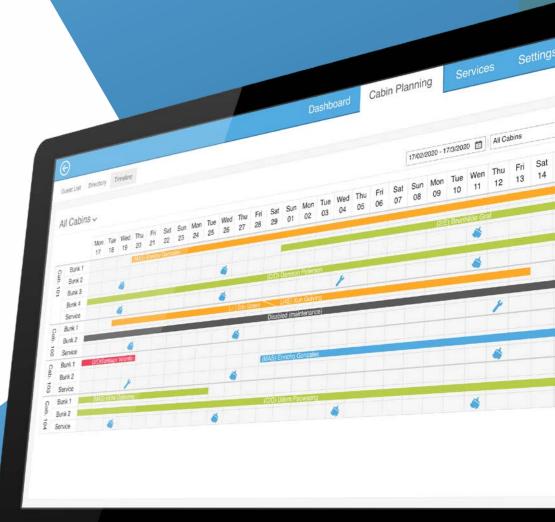
To enhance clarity, when selecting a seafarer, the lifeboat he was assigned to via CFM Emergencies is also displayed accordingly.

To make sure that cabins are in line with MLC regarding cleanliness and proper functionality at all times, the module gives the option to plan cleaning services on demand or at defined intervals as well as to plan maintenance services if required.

If a service is expected to be time-consuming, bunks or whole cabins can be blocked for its duration, making sure that you can always plan correspondingly.

The information from this module is also shown on your dashboard, giving you a quick overview on check-ins and -outs that are overdue.

- Clear visualisation of cabin/bunk status
- Option to plan cleaning and maintenance services
- Automated check for compatibility of crew members in cabin regarding day or night shifts





# Cloud Efficiency

With our Efficiency package you are not only able to easily comply with the European Commission's requirements for MRV of your emissions and the IMO DCS but will also gain valuable insights into your operational data thanks to our Power BI integration. Seamlessly create and share powerful statistics and graphs and drive a data culture across your organisation.

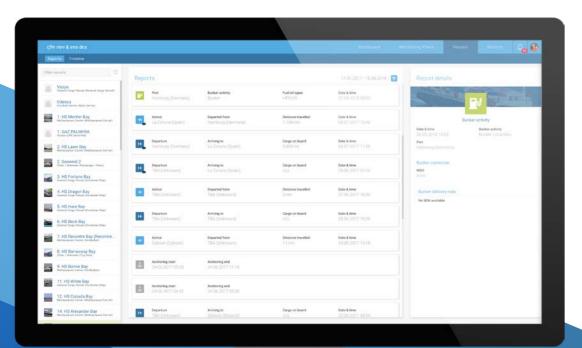
With options for straightforward reporting and enhanced analytical capabilities, this package will help you to gain a competitive advantage.



# Compliance made easy.

#### Compliance made easy

To guarantee MRV & IMO DCS conformity, you have to record and analyse a variety of key figures. Reports about arrival and departure times, time spent at sea or the documentation of the bunker consumption provide the basis for determining of emission factors of your vessels. With CFM MRV & IMO DCS, you can capture this data fast and simple and provide it to your colleagues at the touch of a button.



#### Key features

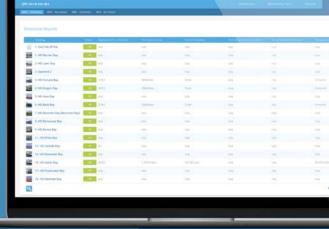
- One module for both MRV and IMO DCS compliance
- Data can be entered directly on board
- Distinctive IMO and MRV areas for a fast overview
- Available as standalone module
- Calculations are automatically carried out in the system

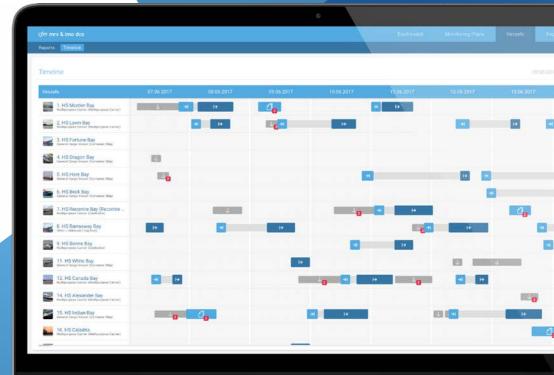
#### Capture all data easily on board

The required data can be entered directly on board, all further calculations are carried out automatically in the system, you only have to forward the results. The user interface on board is reduced to the most relevant elements and enables the crew to directly work in a productive way.

#### Compliance can be so simple

We aggregate and prepare the data and send it to the verifier of your choice. While doing so, we comply with the requirements of the EU according to regulation (EU) 2016/1927 - you simply forward the data without having to make any adjustments.





## CFM PowerBI Integration

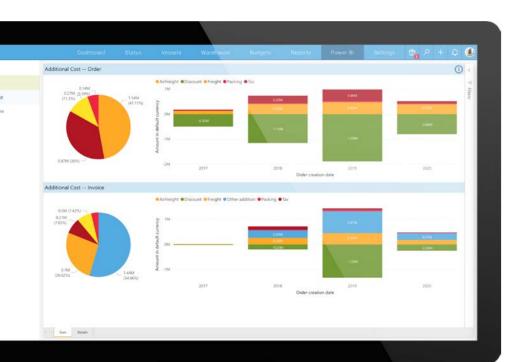
#### Turn your data into insights

Data is the new gold. But to enable business executives to make insight-driven decisions that are needed to achieve a company's growth goals, data needs to be managed efficiently and analysed in a structured way. To make this possible and offer CFM users valuable insights into their operational data

we integrated Microsoft Power BI into our system. With this integration users can simply access CFM's data base to process the information in Power BI.

Next to the option to use a variety of predefined reports, users can also create their own reports using an assortment of templates

or simply create new ones completely from scratch. All data is visualised in a clearly structured way, turning your data into insights, and immediately offering added value. By generating impactful statistics, KPIs and detailed reports, users of CFM can make best-informed decisions, ensuring a continued success.



#### Key features

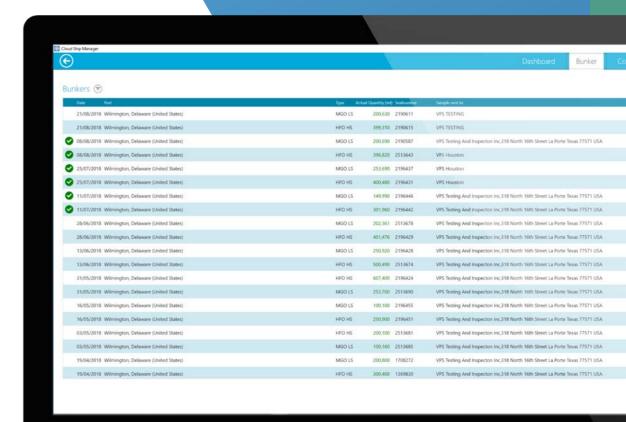
- All data is visualised in a clearly structured way
- Option to use pre-defined reports or create new ones from scratch
- User-generated reports are embedded in CFM and can be used
- Access CFM's data base to turn any operational data into powerful reports or statistics
- Connect any external source of information to conduct advanced analyses



#### Keep track of your bunker

CFM Bunker, one of our on-board modules, offers you full transparency regarding your bunker. You can easily document the amount and type of bunker as well as the location of bunkering. Add attachments, such as bunker delivery notes at your convenience. Additionally, you have the option to document and administrate bunker samples. The lab results can be entered and evaluated from the office, as well as from the vessel. In case of inconsistencies or fraud, you can directly create and export predefined letters of protest.

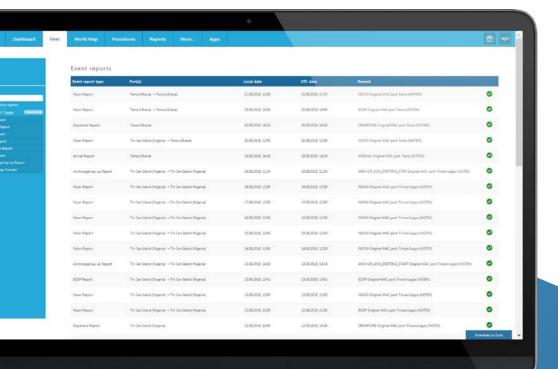
- Bunker of the fleet always in view
- Option to add attachments
- Creation of predefined documents such as letter of protest
- Option to document and administrate bunker samples including a streamlined approval process



#### Gain more insights

Make the most of your data and gain real insights into the performance of your fleet by monitoring a wide variety of key figures. To make this as easy as possible we present CFM Event Reporting. By monitoring reports about times of arrival and departure,

the begin and end of sea passage (BOSP/EOSP), bunker consumptions, times of anchorage or lay-up as well as noon reports, CFM Event Reporting lets you see the big picture of your fleet - enabling you to conduct further analyses.



#### Key features

- Detailed insights into the performance of your fleet
- Detection of improvement needs
- Easy calculation of KPIs such as EEOI or SEEMP
- Simple compliance with EU MRV and IMO DCS
- Complete digital capturing of all data
- More than 100 validation rules
- Option to add validation rules on demand

#### Comprehensive reports

Uniform reporting for all vessels of your fleet with more than 100 distinct validation rules and customisable mandatory fields. Make sure that you have reliable information at hand to monitor the efficiency of your fleet and increase it sustainably. Due to automatic data validation, you gain full control over your procedures, minimise the risk of faulty user inputs and increase the quality of your reports.

#### Insights always in sight

All relevant data from CFM Event Reporting is always displayed in CFM Portal or can be shared with third parties via CFM Partner Portal. All reports can be monitored and re-opened for on board corrections if needed or exported to analyse your fleet performance within your own business intelligence setup. Our MRV and IMO DCS application is automatically fed by CFM Event Reporting, avoiding additional effort and possible errors caused by duplicate data entries.



38 CFM Event Reporting CFM Event Reporting 39



# Cloud Purchase

Make every part of your order process visible to optimise procurement, purchasing, and planning. Use integrated web forms to collaborate more efficiently with suppliers, accept responses then compare offers, select a seller and action approval immediately. With real-time budget information and detailed reports on stock levels, the Purchase package supports ultra-efficient logistics across onshore warehousing and offshore vessels.

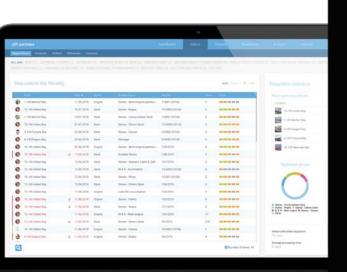
Thanks to the mobile companion app you can even access the most relevant information, check budgets and grant approvals for requisitions and orders on the go.

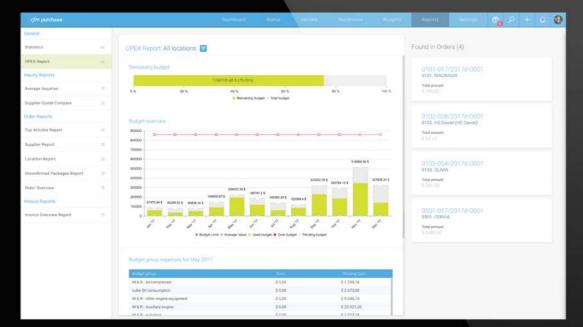


#### Your OPEX under control. Always, anywhere.

CFM Purchase provides you with all sections of the purchasing process at one point in an intelligently structured manner, gives you full control over your budgets and allows your suppliers to work directly with this information. Whether using the inquiry webform or an open interface: Your efforts for communication

and offer-comparison will be enormously reduced, so your employees can focus on the essentials. Experience the interconnection of suppliers, office, fleet and benefit from real-time data for a dynamic budget planning and permanent control over your OPEX.





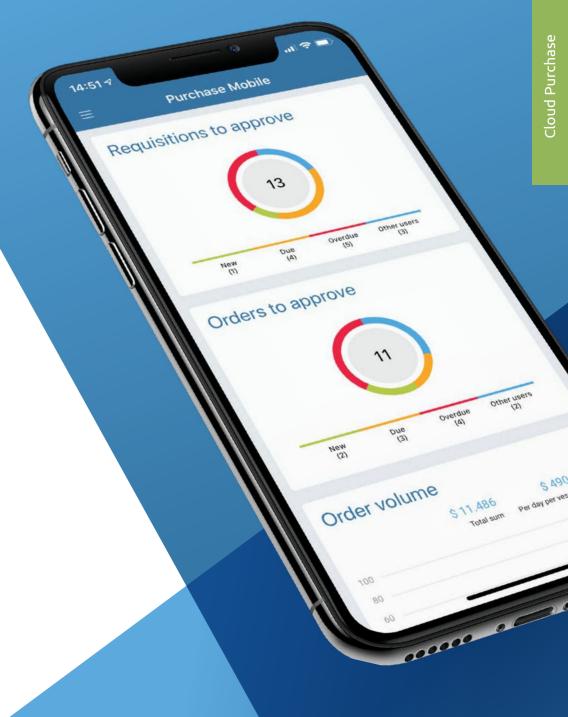
#### Inquiry webform

Suppliers can easily answer your enquiries with the inquiry-webform. CFM Purchase will arrange all relevant data clearly to compare offers and their follow-ups as easy as possible. Open interfaces allow suppliers to connect their own applications to organise communication even more efficiently.

#### Purchase Mobile

CFM Purchase Mobile gives you the ability to quickly access the most relevant information, check budgets and grant approvals for requisitions and orders on the go, using your smartphone. Simplify your processes and stay in control.

- All aspects of the purchasing process in one application
- Processing of enquiries, quotations and initiation of orders
- Access all information on your desktop or tablet
- Mobile app for insights and approvals on the go
- Real-time budgeting
- Direct integration of suppliers via webform / open interface
- Tracking of delivered orders
- Integrated warehousing
- Integrated reports (e.g. OPEX, supplier, order overview)



# CFM Inventory

#### Keep your supplies in check

With equipment and supplies spread across a fleet of vessels, it can be complicated to always keep track of what you have got in stock. Many times, this means that companies waste a lot of money simply because they oversupply to be prepared for any case

– even though there might already be a large
stock of specific supplies.

With CFM Inventory you will save valuable resources and money by always exactly

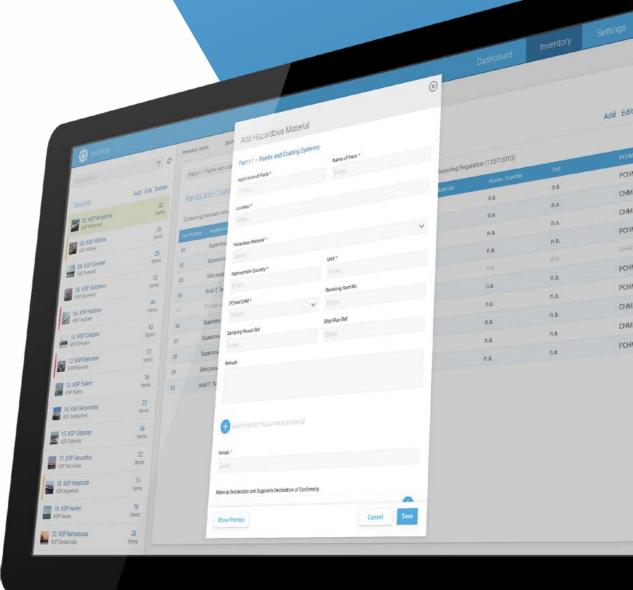
| Inventory Services | Services |

knowing what you have available and where it is located.

CFM Inventory allows you to keep track of all equipment, materials or supplies in stock on individual vessels. To enhance clarity, you can easily define various storage locations on board your vessels and categorise your stock, either by using pre-defined categories from settings or by simply specifying your own on the fly. While creating your catalogue of inventory items, you can determine default values for minimum and maximum quantity of items to immediately get notified if the number has been exceeded or fallen below. This can be done both in the office as well as on board.

Thanks to a clearly structured dashboard, you are immediately aware of vessels that have a shortage of specific items and those who are currently oversupplied and can act accordingly. A historical overview of all restocking or corrections that have been performed on your vessels increases transparency.

- Clear overview of all equipment, materials or supplies on board your fleet
- Option to define storage locations and equipment catalogues
- Historical overview of all transactions on your vessels (e.g. restocking, corrections)
- Linked with CFM Purchase and CFM Maintenance





# Cloud Operation

The Operation package focuses on the ongoing ship operation and provides you with everything you need to handle the chartering of your vessels including invoice management as well as off-hires and claims.

It enables the management of contract data with charterers and agents, the creation and administration of schedules as well as the visualisation of fleet movements and locations of inspectors, ports and yards.

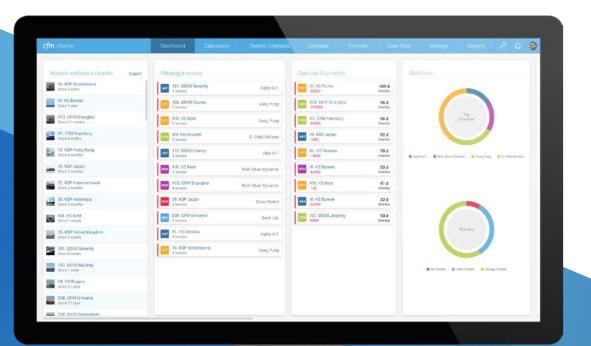


# Your entire fleet under control.

#### Keep an eye on your vessels' charter

CFM Charter gives you everything you need to quickly and easily plan and maintain your vessels' time and voyage charters. Draw up contracts in a few steps and automatically create invoices. Easily conduct laytime calculations, forecast earnings from charter agree-

ments and execute post calculations. All data is integrated into CFM Off-hires & Claims. To stay on top of things, the most relevant information is always highlighted – from vessels without charter over missing invoices or overdue payments to upcoming charters.



#### Key features

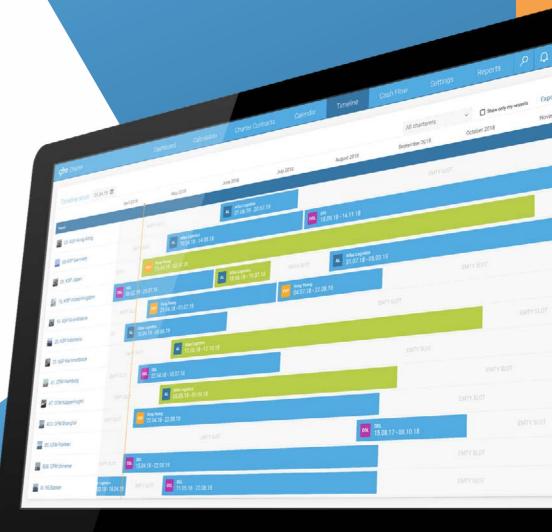
- Easy creation of time and voyage charters
- Option to automatically create invoices for charters
- Maintenance of charterer and broker information
- Cash flow forecast option
- Timeline visualisation of charter periods
- Laytime calculation

#### Charter contract design

Draw up contracts in a few steps and let the system automatically create invoices for you. In addition, you can record contract conditions. Define who is liable for vessel damages or who is responsible for the seaworthy condition of the vessel.

#### Simple cash flow calculation

The cash flow area provides you with an overview of earnings from charter agreements, divided into expected and received earnings. This enables you to conduct pre-calculations.



# © CFM Off-hires & Claims

#### Management of off-hire periods & claims made easy

Keep accurate records of your vessels' off-hire periods, charterer claims and related costs. Stay informed about the causes of individual off-hire periods and react swiftly. Automated KPIs and reports make vessel availability clear,

demonstrate performance and help you recognise where you need to take action. Using Cloud Ship Manager, all data can be directly entered on board.



- Integrating costs for each off-hire period directly into CFM Charter
- Total cost of off-hire periods highlighted for each vessel
- Central management of all claims
- Statistics for off-hire types and claim types
- Information about past and pending off-hire periods
- Accurate and detailed documentation of off-hire periods and the related causes



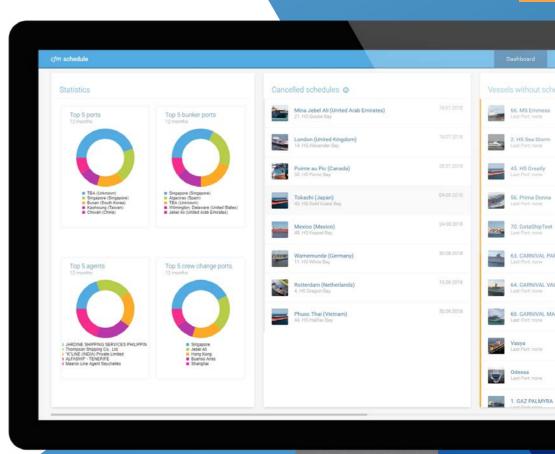
# CFM Schedules & Agents

#### Plan and control your fleet's schedules

Organise your fleet's schedules and agent master data in one shared resource and let your crew take part in schedule management. Schedules as well as agent's master data can be directly entered on board and synchronised with the office, making the information automatically accessible in CFM Portal, CFM Partner Portal and in your mobile app. This way you are always up to date and aware of

CFM Schedules & Agents informs you of cancelled schedules, upcoming tasks like bunkering, and potential problems like war risk ports. With CFM Schedules & Agents, employees work interconnected with crews, to access and update information promptly and accurately.

- Access to all schedules through CFM Portal or using mobile apps
- Easy allotment of vessel responsibilities to agents
- All schedules as well as agents' master data bundled in one module
- Critical information such as top ports or relevant agents are always highlighted
- Direct integration of the crew, enabling them to enter, access and edit schedules on board

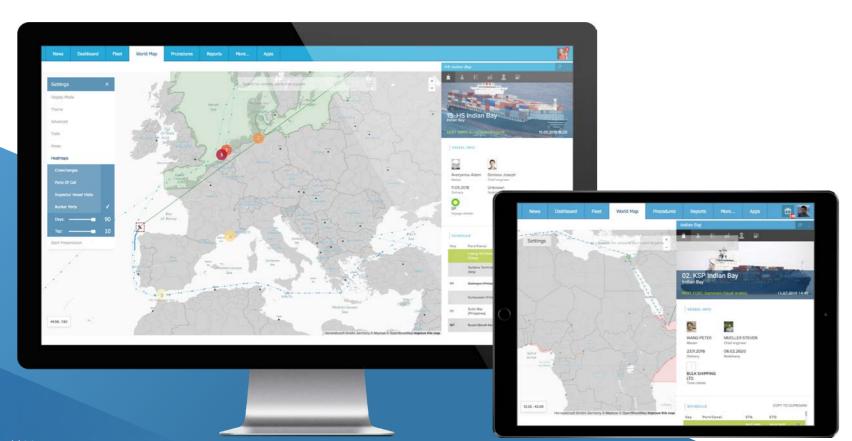




#### The new view on your fleet

Map your global fleet locations for full visibility of operational schedules, travelling inspectors, time zones and risks. Receive messages automatically as soon as your ships enter or leave a defined war zone.

Using intelligent full-text search, you can gather details on companies, ships and ports with a few clicks. Additionally, you have the option to show past routes.



#### Visualise your operations

Up to now, several applications were needed to show the activities of your fleet, the position data or the next planned inspections. CFM World Map offers you a comfortable alternative: See all relevant information at a glance.

Thanks to the interconnection of all modules, CFM World Map offers you a variety of aggregated information regarding your fleet without the need to switch between modules or tabs.

- Option to change the level of detail at your convenience
- Creation of war risk or emission control areas
- Locations of ships or business travelling inspectors always in view
- Positions of ships, ports and yards can be easily faded in and out
- A variety of information accessible without the need to open other modules
- Heatmaps highlight relevant information, e.g. ports with the most crew changes in the last 90 days





Be confident your offshore equipment and working practices are up to date. With the modules of Cloud QHSE, vessel crews comply with defined standards, easily execute inspections and audits, and share their data with colleagues ashore.

The package offers options to inspect your vessels on the fly, handle observations and follow-ups, send company-specific circulars or ISM-relevant procedures directly to your vessels, and assess risks for tasks. Automated processing and reporting minimises management effort, supports compliance and enhances HSE performance.



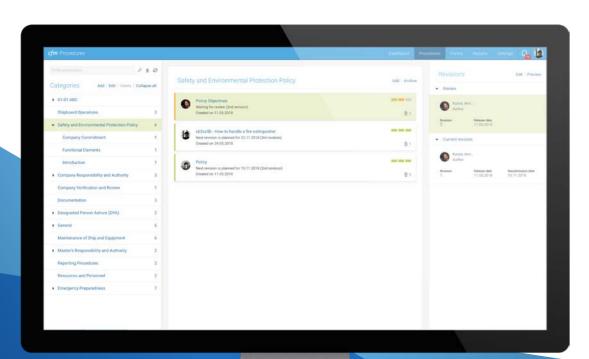
# **CFM Procedures**

#### Easily comply with the ISM code

To safely operate your vessels, certain requlations and procedures must be obeyed. The ISM code lays the foundation to ensure the safety of your crew, your vessels as well as the environment. As part of your safety management system (SMS) our module enables you

to fast and easily send instructions to your vessels making sure that your fleet is up to date regarding e.g. safety instructions achieving compliance with ease. Effortlessly send company policies and work instructions (with or without attachments), or assign

responsibilities aboard your ships. In addition, the possibility to use recurring forms enormously simplifies the whole process. To increase collaboration and quality of processes, the crew can add comments and proposals for improvements to all procedures.



#### Key features

- Fully digitalized ISM management
- Integrated procedure approval workflow
- Recurring ISM forms for crew on board
- Easy distribution of ISM procedures to specific vessel groups
- Comfortable handling of procedure updates through versioning
- Dashboard overview on due revisions, open drafts or newest procedures

#### Simple distribution

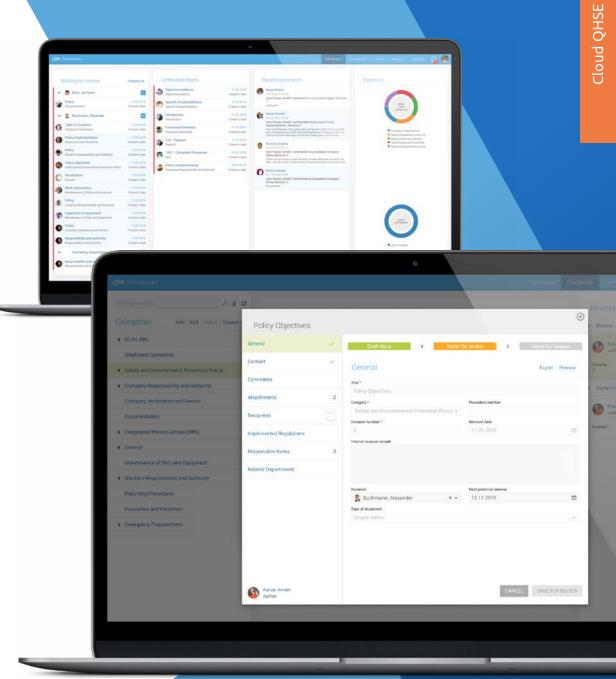
The integration of your fleet via Cloud Ship Manager enables you to create and send your instructions completely digitally. With only a few clicks, you define whether the information should be send to a specific vessel, to vessels matching specific criteria (e.g. only container vessels) or to the whole fleet.

As soon as an instruction has been noticed by the crew, you will be informed automatically.

#### Never lose focus

The dashboard provides a quick overview of the latest procedures, upcoming renewals, procedures waiting for review and recent comments.

This information is not only available for the crews at sea but also for the employees in the office using CFM Portal: Everybody has access to relevant data. After a procedure was sent to the vessels or an existing one was updated, it is highlighted on the dashboard of Cloud Ship Manager. Additionally, the most used procedure categories as well as the age of procedures are highlighted.

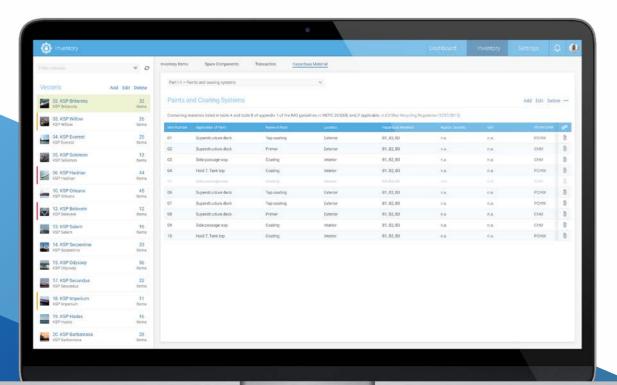


56 CFM Procedures



#### Hazmat awareness across all levels

Since December 31, 2020, as part of the EU Ship Recycling Regulation, any ship which is 500 GT or over, regardless of flag, requires a valid and certified Inventory of Hazardous Materials (IHM) on board if calling at an EU port or anchorage. To help minimise risks and guarantee compliance with this guideline, we are offering you an innovative all-in-one solution. With CFM IHM you can document all potentially hazardous materials



on board your vessel, as well as record their respective locations and quantity. Easily set up your catalogue of inventory on board and flag materials that are hazardous with just a single click. Centrally manage and monitor the IHM for all vessels of your fleet. Each item can be categorized by the respective part of the IHM (Part 1-3).

Additionally, the MD and SDoC provided by the supplier can be attached to the corresponding material. If any potentially dangerous material is installed on board the ships at any time, this can of course be documented as well.

To make reporting as convenient as possible, CFM IHM automatically pre-generates reports from your data that you can simply export and forward. Easily provide ship owners, crews, managing agents, and engineers with a management report of all the hazardous materials that are on board the vessel.

#### Linked with CFM Purchase and CFM Maintenance

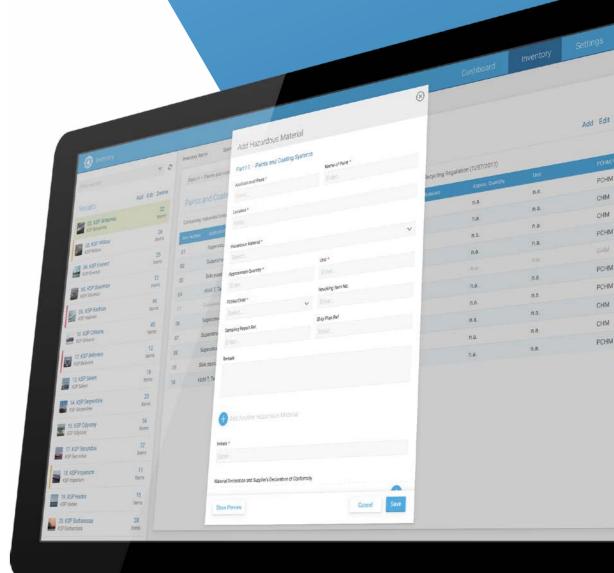
CFM IHM is directly linked with both CFM Purchase and CFM Maintenance, automatically exchanging relevant data. All IHM-relevant material can be flagged directly when adding an item to the system and respective documents (MD/SdoC) can be attached. This way, there are no gaps in the process, and you can work with consistent data without the need to enter information multiple times.

#### Enhanced safety for your crew

With CFM IHM, you can make sure that your crew is always aware of exactly what kind of material they are working with. If a crew member is planning to work with one of the respective materials, they will be informed immediately and can act in line with your regulations. Reduce risks for your crew and strengthen your company-wide safety culture.

#### Key features

- Possibility to document where on board HM's are installed, fitted or stored
- Emdedded in CFM Maintenance and CFM Inventory
- API's to connect external IHM administrators



58 CFM IHM

## CFM Inspection Report

#### Mobile inspections

All you need for auditing fits right in your pocket - CFM Inspection Report lets you conveniently conduct inspections using your mobile device.

While auditing, you simply add photos, videos, comments or voice notes to your report. Whether iOS or Android, smartphone or tablet - simply use your favorite device to comfortably execute your inspections.





#### A mobile app for streamlined inspections

The whole process is designed to be as easy as possible. After the setup of your company specific templates in the office using CFM Inspections & Audits, you can access all templates with the mobile Inspection Report app while on the vessel. This means, that you can easily perform your inspection step by step using your mobile device.

To finalise the inspection, you simply synchronise your findings with the cloud, making it available for the vessel as well as the office - enabling follow-up procedures ashore and on board. Afterwards you can focus on your next inspection and finish your work back in the hotel or your office.

- Mobile app for straightforward inspections
- Option to set up ad-hoc audits
- You can perform your audit without an internet connection and synchronize your data once a connection is available
- Direct synchronisation of findings with vessel and office
- Easily add photos, videos, voice notes or corrective actions



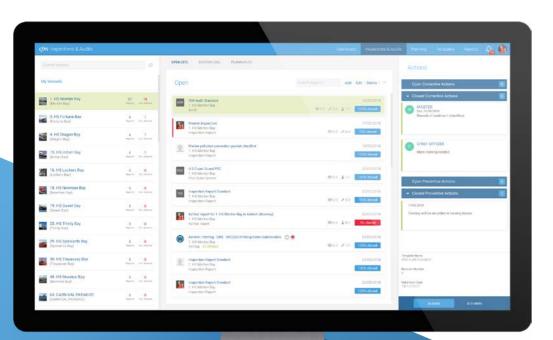
## CFM Inspections & Audits

#### Manage all your internal and external inspections

After having executed your inspection with CFM Inspection Report, data is synchronised to CFM Inspections & Audits. In this module, you can edit your observations, analyse root causes and define, whether preventive or corrective actions should be initiated for fault rectification.

If there is need for action, a checklist and a to-do list will be sent to your crew, so that they can take care of it. Hence, you can ensure that your fleet is in a technically perfect condition and that your crew can react to damages and defects as fast as possible. A full history of all internal inspections & audits is available for

every vessel, including external inspections like Port State Controls or Vettings. With extensive planning features and the option to create templates for your questionnaires, you are always best prepared for upcoming inspections and have a complete overview of all tasks.



#### Key features

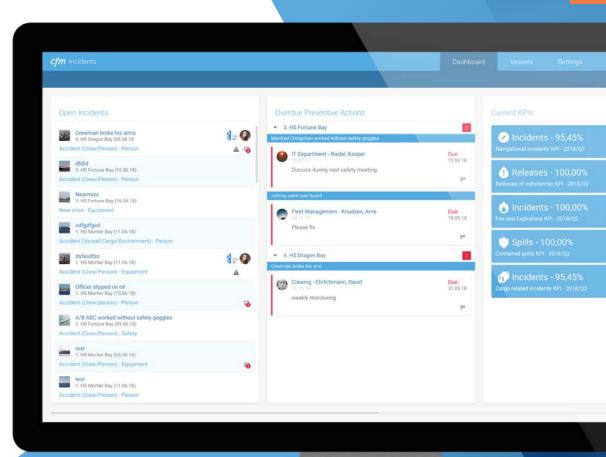
- Simplified analysis of root causes
- Full overview on inspection history for each vessel
- Integration of full inspection process workflow in only
- Immediate synchronisation of updated inspections with the vessel and office
- Optimal overview by integrating external inspections like Port State Controls or Vettings
- Creation and versioning of templates for a straightforward administration of questionnaires
- Extensive planning options for upcoming inspections and audits



#### Efficient incident management

CFM Incidents serves as your documentation pool for all incidents and near misses that occurred on board. You can document, categorise and define the point of occurrence for all events on board of your vessels. Additional to the capturing of incidents, with the documentation of near misses and their causes, you create a valuable knowledge base for your company, enabling you to prevent future incidents.

- Definition of corrective and preventive actions
- Cargo-related incidents report available
- Option to add attachments to incidents
- Incidents and near misses are documented directly on board
- Predefined KPIs enable the consistent monitoring of your performance

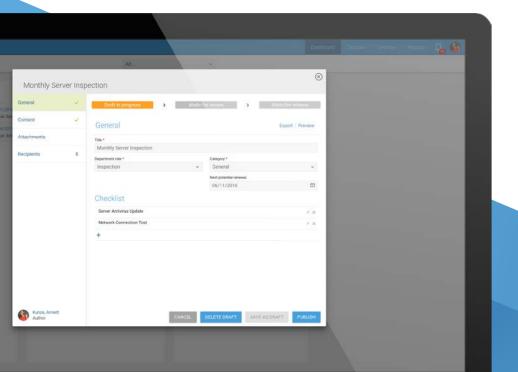


#### Circulars tailored for your shipping company

With CFM Circulars, you easily create, maintain and send circulars without the need for emails. You decide whether the circular is sent to the whole fleet or just to vessels matching specific criteria (e.g. all vessels with same main engine). All current and past circulars are available ashore and on board, enabling new joining

crew members to get themselves up to date, thanks to a historical overview.

CFM Circulars reminds you of your next revisions and replaces outdated or not required circulars on board automatically.



#### Key features

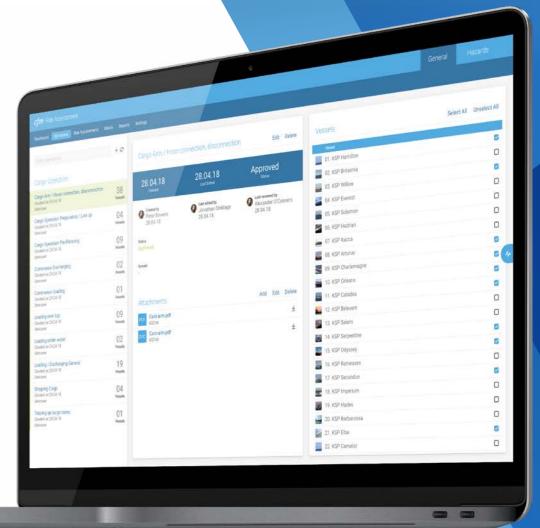
- Automated notifications after recognition of a circular
- Reports available for unread circulars and open checklists
- Historical overview of past circulars
- Option to limit circulars to a specific vessel group
- Creation of checklists



#### Digital risk assessment

Organise your risk assessment digitally and minimise manual effort. Determine probabilities and implications of unwanted incidents. Allocate danger levels to every thinkable situation situation on board and make sure that you are on the safe side concerning insurances. With our modular design, you can create and assess any number of operations.

- Central knowledge base for the allocation of risk levels
- Graphical representation of risk probabilities
- Creation of a valid basis for decision-making
- Reporting on operations and vessel activity
- Default categorisation of risks into the sections: Personnel, environment, property and service loss with options for customisation



# © CFM Emergencies

#### Ready at all times

Emergencies at sea can have disastrous consequences but being prepared for different scenarios can make all the difference. With CFM Emergencies, we are giving you the tool to provide your crew with detailed

instructions to respond effectively in a real emergency

In line with both SOLAS and MARPOL. CFM Emergencies lets you define different categories of emergencies and their corresponding tasks as well as to define if they are mandatory or not. The respective location on board where the task needs to be carried out can be defined as well. Making sure that your crew is immediately aware of what to do and where to go. Each task can be allocated to specific sea-

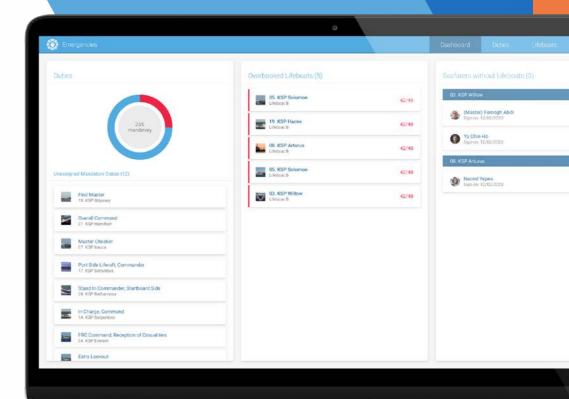
farers and if a mandatory task has not been assigned, the system will automatically highlight this. If one of your crew members with an assigned duty will be disembarking soon, the system will alert you to select a new

For cases where the crew needs to abandon ship, CFM Emergencies enables you to centrally manage all lifeboats of your vessel and assign your crew members to them. The system automatically checks that no lifeboat is overbooked and highlights any conflicts on the dashboard. This ensures that an evacuation can be carried out well-arranged and quickly.

When selecting a lifeboat, you immediately see its location and get a listed overview of all seafarers that have been assigned, their date of embarkation and disembarkation as well as their rank and cabin number. This allows a fast overview and offers the possibility to reorganise if only a specific assortment of ranks should be allocated to each lifeboat.

#### Key features

- Creation of vessel-specific duties
- Assignment of duties to seafarers
- Central creation of emergency categories for assignment to all or only specific vessels
- Fast overview of all duties including responsible seafarers and their cabin numbers
- Management of lifeboats and allocation of
- Option to export lists of duties and lifeboats for print and display on board



Nutshell 02A Nutshell 04B Nutshell 058

Location: Bow

**66** CFM Emergencies



# Cloud Technical

The Cloud Technical modules help you to benefit from Cloud Fleet Manager's global data integration abilities to the fullest. With modules to share information across the whole fleet and processes that span sea and land, crews and onshore staff work hand in hand to deal with bunker management, service requests, waste management and certificate administration.



# **CFM MARPOL ERB**

#### Digitalise your record books

CFM MARPOL ERB is your tool to enter and manage all relevant data centrally and completely digitally. Thanks to intuitive usability and intelligently struc tured processes, it ensures an efficient waste management on board your vessels. The module allows you to record and keep track of all information with regards to the Oil Record Book (I + II), Cargo Record

Book, Garbage Record Book, and Ozone depleting substances. By visualising the pending submissions and their respective status, the dashboard always provides the most relevant data at a glance. To make the process as convenient as possible and to ensure compliance, all data can be entered directly on board, using Cloud Ship Manager.



- Centralise all MARPOL record books in one place
- Comply with legal requirements while reducing your manual effort
- Reduce the risk of human error with templates for each method and process per record book
- Export and analyse the entries of your record books to determine potential counter measurements

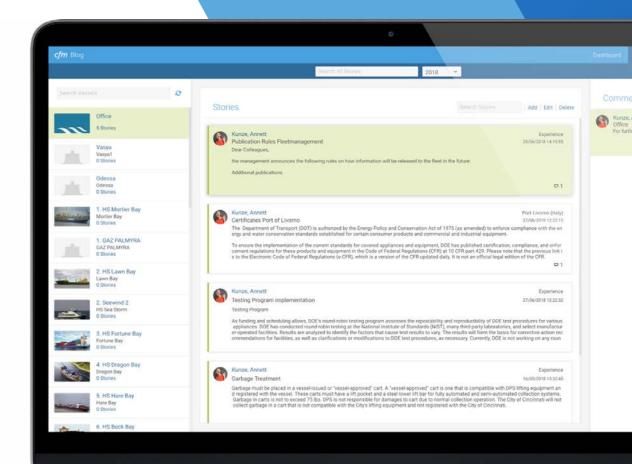


#### Increase the knowledge transfer within your fleet

Facilitate onboard crew communication and share knowledge across your entire fleet with CFM Blog. Highlight important messages and exchange information on ports, specific regulations or useful internal insights. This way, you can create a valuable knowledge base for your crew.

On board, CFM Blog can be queried easily by full-text search or categories, presenting your crew information which is relevant right at the moment (e.g. ports on strike or other crew experiences on local service providers).

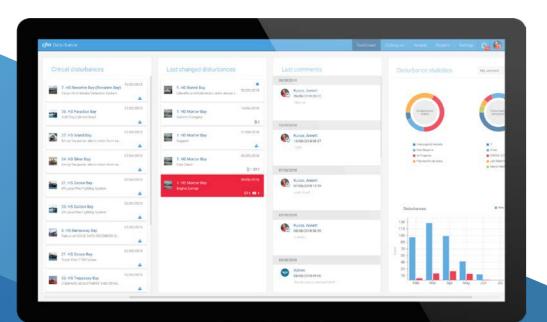
- Encourages direct communication between your vessels
- Option to comment on all messages
- Important knowledge doesn't get lost and is accessible to everyone
- The most important messages are highlighted on the dashboard



# CFM Disturbance Report

#### Modern service request management

With CFM Disturbance Report, your crew can easily create detailed, standardised service requests that can be directly assigned to the person responsible and which will then appear automatically within their dashboard. You can follow up all service requests in a Kanban view, which gives you full transparency on all pending requests and their individual status. Use individual tickets for detailed communication with crew, colleagues or service providers and let our app update the progress automatically. Needless to say, you can also update the progress by simple drag and drop. All in all, CFM Disturbance Report supports you on excellent team work beyond your company's boundaries that limits email exchange to the very



#### Key features

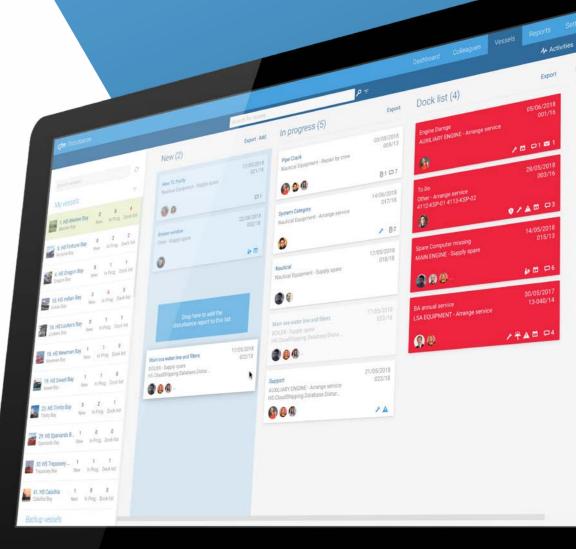
- Central management of all service requests of the fleet
- Easy creation of standardised service requests for the crew
- Editing of status via drag & drop
- High level of detail, such as grade of importance, attachments and the plan of corrective action
- Option to switch views to e.g focus on critical service

#### Streamlined service request management

Service requests demand the action of superintendents, purchasers, your crew on board or even third-party vendors. CFM Disturbance Report will assist you to build efficient workflows - without hassle. Initiate a service request on board or ashore, identify your action team and perform. Cooperating on a service request has never been easier.

#### Straight to the point

Who initiated the service request? Which corrective action plan was agreed upon? What is the current status? Finding all information related to a service request can become a nightmare when dealing with emails. Not with CFM Disturbance Report, just open a service request and you will find all the information you are looking for.



## **CFM Certificates**

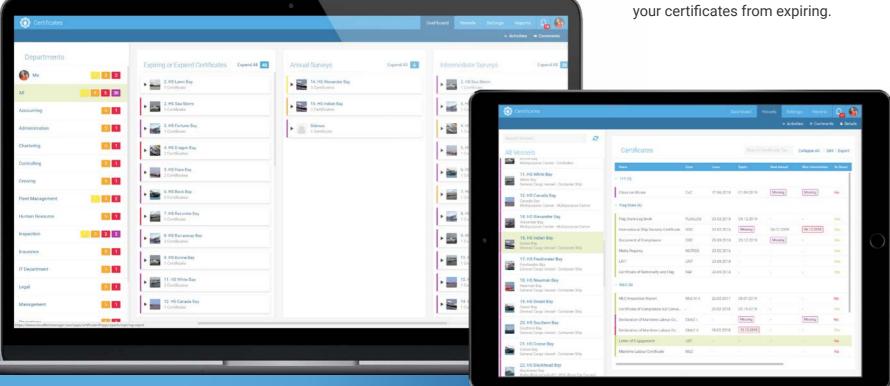
#### Keep your certificates up to date

To ensure smooth processes within your company and to make sure that all your vessels are seaworthy, a variety of certificates are necessary. CFM Certificates helps you to achieve this goal as comfort-

able as possible. It provides you with various options for the setup of certificate types, such as pre-warning periods, categorisation on revalidation (on expiry, annual or intermediate surveys), definition of port or

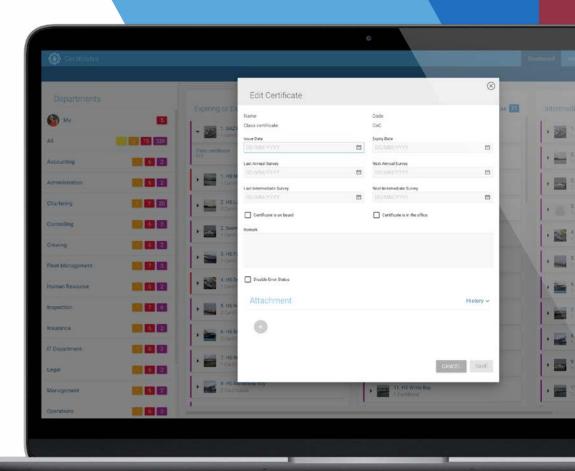
flag-state requirements, or the assignment of responsibilities.

The certificate dashboard shows the status of each certificate of every vessel that you, your department, or all departments are responsible for. Distinct icons and colour codings give you all that is needed to prevent



To round things off, all certificate details and attachments are available for any other department or external partner via CFM Portal and CFM Partner Portal. In addition, your crew on board can actively participate in certificate management and revalidate certificates that were issued on board.

- Administration of all certificates in one central place
- Intelligent reminders for expiring certificates
- Option to filter certificates by vessel
- Adding of remarks or attachments to certificates
- Assignment of responsibilities for certificates to employees or departments





# Cloud Maintenance

The Maintenance package puts you in full control of your maintenance tasks. With Cloud Maintenance, you can define and distribute jobs centrally, set approval levels, define component trees, attach any documents and monitor all overdue jobs of your entire fleet.

Creating generic jobs or setting up a standardised equipment register has never been easier. The onboard maintenance client is so easy to use that for the first time, training your crew has become superfluous.

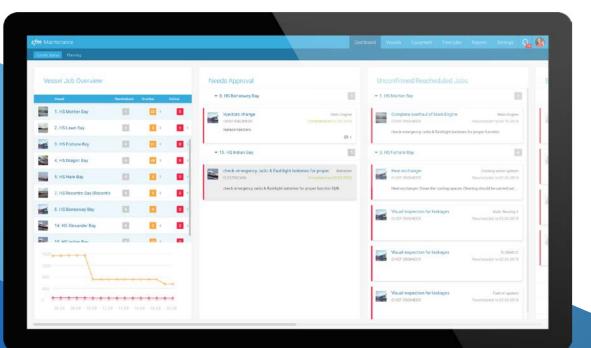


# **CFM Maintenance**

#### Planned maintenance made easy

CFM Maintenance gives you full visibility of your fleet status and lets you regain control of the maintenance jobs of your fleet. In order not to lose track while creating jobs and managing overdues, CFM Maintenance simply divides these into two categories:

Critical and non-critical. This division allows you to be aware which of your jobs are class-relevant and of high priority at any time. Overdue jobs are highlighted to further ease process control management.



#### Key features

- Central definition and distribution of jobs
- Cash flow planning option
- Connected to CFM Purchase
- Dynamic planning option
- Definition of jobs and intervals according to your requirements
- Central and straightforward management of all equipment and spares

#### It has never been easier to plan your jobs

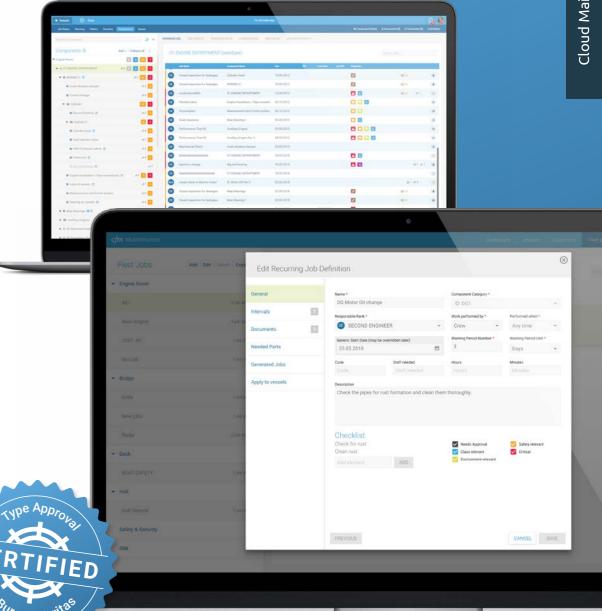
CFM Maintenance enables you to enter and manage all your global equipment and spares in the Equipment Register and precisely define jobs and their specific requirements. Define jobs that must be carried out for specific equipment or simply create generic jobs that will be automatically assigned to your entire fleet. You can also create checklists for every job to make it even more convenient.

#### Cash flow planning

In order to control the efficiency of your maintenance workflow and to optimise it sustainably, the cash flow planning option gives you the opportunity to make precise statements about the distribution of your jobs.







# Why choose Cloud Fleet Manager?

#### Save time

- Easily exchange data
- Centralisation of information
- Easy collaboration with partners
- No more requesting of information
- Global access

#### Always up to date

- Continuous development
- Free, automatic updates
- Constant releases

#### Save costs

- No hardware costs
- No servers needed
- No license fees
- Unlimited users

#### Control your cash flow

- Software as a Service (SaaS)
- Pay by module, vessel and month
- No upfront costs

#### **Enhance data quality**

- Centralise your data
- Seamlessly collect data on board
- Easily collect data with your mobile device
- Gain new insights through in-depth reports

#### Stay safe

- Securely hosted by Microsoft Azure
- Certified as in compliance with:
  - GDPR
  - ISO 27001
  - HIPAA
  - FedRAMP
  - SOC 1 and SOC2

#### Accelerate your business

- Optimise your processes
- Integrate your existing solutions
- Connect your fleet to the office
- Share data with your partners

#### Choose your environment

- Runs in every browser
- Works with every operating system
- Mobile apps for Android and iOS





### **About Hanseaticsoft**

#### Transforming ship management through innovation

Hanseaticsoft, founded in 2009 by Alexander Buchmann, is the leading provider of cloud-based software solutions that address the whole range of shipping processes and operations. It was founded in Hamburg, third largest container port in Europe. Mr. Buchmann and his team gathered experience in an IT department of a medium-sized shipping company. By developing Cloud Fleet

Manager, Hanseaticsoft is realising their and their customer's ideas of a new software concept, which provides access to new, more efficient technologies and is characterized by its ease of use.

Today Hanseaticsoft has more than 60 employees. It is now part of Lloyd's Register Group, one of the world's leading providers of professional services for engineering and technology.





#### Part of Lloyd's Register Group

Lloyd's Register (LR), a leading global provider of engineering and technology-centric professional services, has aquired Hanseaticsoft. This decision underlines LR's strategy to become a leader in supporting clients through the digital transformation of the marine and offshore industries.

As one of the major players in the industry offering innovative technology solutions and fresh perspectives that significantly improve business performance, we are pleased to have found a partner who is as dedicated as we are to accelerate digitalization in the maritime industry.

#### Alexander Buchmann

CEO of Hanseaticsoft

We are very pleased to have found a partner who shares our vision of the digital future of shipping with the same passion as we do. The experience of LR and the agility of Hanseaticsoft perfectly complement each other to meet the

global challenges of the shipping sector.
Together, we can accelerate the muchneeded digital transformation by combining our shipping and technology-centric
approaches.





#### Nick Brown

CEO of Lloyd's Register Group

We see technology as a business enabler that can transform operational efficiency, create new revenue opportunities and help people to work smarter – a vision which is shared by Hanseaticsoft. For us, it's about supporting seafarers and shore staff with their increasing workloads through data insight and systems automation. Cloud Fleet Manager allows them to focus on the tasks that they are more effective

at conducting and allows technology to relieve them of higher volume repetitive workload. Data consolidation, meaningful analysis and application sits at the core of what Hanseaticsoft does and our partnership with them is helping our clients meet the challenges of today's changing world, understanding our future performance depends on today's decisions.

82 About Hanseaticsoft 83

