



**FaMe**

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# FaMe Module Overview

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# FaMe Module Overview

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# FaMe Module Overview

## **Asset Management**

The FaMe Asset Management Module is one of the core FaMe modules. The Module handles the lifetime information of every mobile or stationary Asset. The Module contains the asset descriptions, technical documentations, photos, lifecycle information, depreciation, carbon foot print, cost center allocation and other financial and technical information. Interfaces for IoT, CAD and BIM are included.

## **Accounting (ERP)**

The Accounting Module manages incoming and outgoing offers, invoices and supports the purchasing process. The system includes all invoices related functions. For an example: generates automatically recurrent invoices from the contracts. The module includes an automatically reminder management. All invoice data booked on a general ledger account. FaMe provides standard general ledgers. Different standard charts for accounts can be setup parallel for different purpose. All entries are registered in a booking journal. Offers, orders, purchasing request, invoices, and sales calculations can be monitored. Optional integration with other FaMe modules, e.g., Budget Management or Serviceline. Complete ERP System for the Building industry.

## **Access Management**

The FaMe Access Management Module manages the administration of access rights for an example for doors, lockers or entry gates. The System presents and illustrates access plans. For key based and keyless systems. The system records the Handover and returns of keys and access cards. The Module manages the repositories and the stock value. CCTV surveillance integrated. The system reads personal data for an example from HR systems or from the FaMe Visitor Management to manage the access permissions automatically.

## **Basic Module**

The FaMe Basic Module contains the basic information and functions for Facility Management, Property and Portfolio Management, as well for Smart Home and Smart Building operation. Space data, building and real estate descriptions, addresses and default values management are part of this module. The Basic Module manages the access rights and contain the reporting features. The Basic Module is mandatory for all other modules.

## **Barcode/Tag**

The FaMe Tag Management module manages visual tags and electronic waves tags. The FaMe modules use Barcodes or QR (Quick Response) codes for the asset or maintenance management, to trigger work tickets or to organize a relocation. The wave tags based on RFID, NFC or Beacon not need visual access for the reading process. The tags can be hide inside the objects. Also applicable for rugged areas. FaMe supports the printing of barcodes or QR codes, and the programming of electronic tags. For an example, the system records at the electronic tags the date and time of the last maintenance work. This information available without online connection. Direct storage at the tag.

## **BIM Enabler**

The FaMe BIM Enabler links the BIM Modell (IFC) with the FaMe operation database. Clipping, rotation, zooming are some functions of the FaMe BIM Enabler. Rooms hatching or coloring by cost centers, departments or occupations type or value. The BIM Enabler includes functions for the data collection during the construction stage. With a click of a BIM element, the fame system opens a data collection form with the chosen object related attributes.



## **Budget Management**

The FaMe Budget Management Module (Controlling) is seamlessly integrated with the other FaMe modules. This module overviews the project, department and other budgets and is part of the FaMe Controlling solution. The user creates main and sub budgets. The system overviews the budgets automatically, e.g., the procurement officer can't start a procurement process, if the budget isn't available. The supervisor creates the forecast with different alternatives. The budget module, in combination with the FaMe Controlling Management, controls the part payments related to the project progress.

## **Camp Management**

The FaMe Camp Management Module operates worker or other camp types. The camp administrator manages the bed space bookings, the catering, the laundry and the security of the camp with the comprehensive FaMe Camp Management Solution. The bed space booking function manages the bed space occupations by company, nationality or religion. Supplement service management, like laundry or catering also part of the solution. The cost control, revenues and operation expense, runs with the FaMe cost center management.

## **Catering**

The FaMe Catering Management operates canteens, cafeteria or other food production facilities. The module contains recipes with the list of ingredients and cooking rules. The FaMe Warehouse Management manages the availability of the ingredients. The supervisor creates a daily menu plan. The module manages the menu ordering with QR codes inside the canteens, or the food delivery at the construction site. The gapless planning by appointed person and day reduces the wasting of food.

## **Conference Management**

The FaMe Conference Room Management module organizes reservation and booking for conference, seminars or class rooms. After a request with the timing, numbers of attendees, or special fitting outs, the module lists all available rooms which match the requested parameters. The comprehensive solution offers functions to book beverages or catering services, special IT support or other Janitor services. The system supports hybrid bookings with virtual or Video Rooms. Displays, like door display or foyer display, are an option. The booking system is seamlessly integrated with other FaMe modules, like visitor management or cost accounting. Circular or seasonal booking functions are part of the solution.

## **Cleaning Management**

The FaMe Smart Cleaning Management solution manages cleaning tasks online. The solution links cleaning objects like rooms or equipment (e.g., bin, counter) with cleaning tasks via QR codes. The system is applicable for regular or daily cleaning work, special cleaning tasks for hospitals and dust-free areas are included, cleaning on request and waste container dumping functions are included at the system. The system schedules the cleaning tasks and runs as an option a quality control. The FaMe Procurement Module takes from the cleaning module the quantities and cleaning requirements for RFQ. QR code scanning records automatically the actual cleaning work progress. The system offers a comprehensive shift management for the cleaning staff.



## **Contract Management**

The FaMe Contract Management is applicable for every kind of contract. The system manages the contract parties and additional contract information (e.g., address, contact person, payment agreements, bank accounts). The system monitors the contract due dates and the option dates automatically. The system sends reminders at a given forerun time; in case a contract date is due. The seamless integrated FaMe document Management contains the contract as a scan document. The system triggers and monitoring contract related payments at the due dates automatically. Incoming and outgoing payments.

## **CAD Viewer**

The FaMe CAD Viewer display floorplans and other CAD files at the drawing native format. The function highlights database search results at the drawing. For an example, coloring the room occupation status with different colors for every different department. The same function available for cost center coloring. Another function marked free rooms or free workplaces. No limits. Red-Lining is also available. Text notice can be added. Simple editing functions, e.g., moving a wall, or a relocation of a workstation also part of the solution.

## **Document (DMS) Management**

The FaMe Document Management System offers a complete DMS system. The system manages the most major data formats (e.g., dwg, dgn, jpg, bmp, doc, xls, ...). The FaMe DMS provides an interface to all other FaMe Modules. Seamless integrated. The FaMe module manage the access, supports approval workflows, and manage the history and the central archiving of documents. The system manages automatically revisions, including but not limited to BIM files or CAD drawings.

## **Drawing Management**

The FaMe Drawing Management manages the graphic data. The function links the drawing with additional data like name of designer, craft, date of changes, index management. The function manages the history of the selected drawing. The function manages the access rights. The system organizes not only the access rights, special function manages assembles of drawings. For an example it links the construction drawing with the MEP (Mechanical, Electric, Plumbing) drawings. The system manages for BIM models the files load process, to avoid long loading times.

## **Energy Management**

The FaMe Energy Management Module optimize the Energy usage. The system manages every kind of meters and is applicable for Electricity, Water, Gas or other Metering. The system supports smart meter readings. Different communications protocols like COSEM/DLMS, BMS or IoT (MQTT) integrated. The Energy Module manages meter grids with real or calculated meters. The module is seamless integrated with other FaMe modules. For an example with the FaMe lease management Module, to read the lease unit consumption and to calculate the costs automatically. The Integration with the FaMe Scada Module manages installations to reduce the energy consumption by installation. The module triggers automatically an alarm by abnormal energy consumption.



## **Fleet Management**

The FaMe Fleet Management module covers all aspects for a modern vehicle and fleet management. The system tracks all technical data about the vehicle. For an example the vehicle classification, basic vehicle data, photos and the maintenance and inspection regulations. No data limits. The system triggers automatically the inspections at the due dates. The system manages the reservations by cost center and records all operation costs. The vehicle logbook records the operation information seamless. The system comes with a foolproof electronic logbook. A QR code, mounted at the vehicle, triggers the logbook. The QR codes in combination with the smartphone triggers simple repair orders, operation hour and petrol usage reports. The electronic logbook records also incidents and accidents. All fleet operation data appears immediately online at the central supervisor fleet management dashboard. GPS Tracking devices are an option.

## **GIS Enabler**

FaMe offers a GIS Viewer. The viewer supports the management for City Communication Networks, Sewerage pipes, Water pipes, Electricity lines, district heating and cooling systems, pest control or landscaping. The system shows the exact positions and the status of the assets. With a simple click, the FaMe system opens the management tools for the selected asset. The FaMe GIS map supports the route planning for technicians. The GIS function optimize the route in case the technician works on different locations.

## **Janitor/Villa/Compound Management**

With the FaMe Villa/Compound Service Module, the Service Provider offers his clients a comfortable, easy to use Service Request solution based on Smartphone or Tablet App and Windows Browser. The module manages the preventive maintenance, landscaping, security, pest control or janitorial services. For common areas and private real estates. Applicable for owners or tenants. The solution offers services via a package with different response and quality levels, e.g., Gold, Silver, Bronze levels. There are no limits regarding the service levels and service tasks, e.g. household, garden work, or food or beverage delivery. The module is seamless integrated with the other FaMe modules, like service line or accounting with invoicing online payment via credit cards. This module comes with an interface to the FaMe Smart Home Solution, to run the services also automatically.

## **Landscaping**

The FaMe Landscaping Module manages for an example greens, trees, outdoor spaces and equipment, e.g. irrigation installations. The plants, parts and objects can be assigned to either, a building or at the plot itself. The solution helps to organizes the landscape area clean, healthy, safe and attractive. The module covers the requirements for private garden, yards, public parks, institutional settings or other estates. The Modul supports and schedules the groundskeeper season plantings and harvestings, periodic weeding and the fertilizing work, automatically. The function supports gardening, lawn care, snow removal, driveway and path cleaning including shrub pruning, topiary, lighting, fencing, swimming pool care, runoff drainage, and irrigation, and other jobs for protecting and improving the topsoil, plants, and garden accessories. A plant register contains all information for general maintenance, fertilize and seasons related works. The FaMe IoT Interface is integrated, e.g. to check the earth humidity, or to schedule the irrigation automatically related to the earth humidity and weather forecast.



# FaMe Module Overview

## Lease Management

The FaMe Lease Management module manages every kind of lease contract, for an example residential contracts, shop contracts or office building contracts. The function monitors automatically the due dates, for an example the notice date to extend. The module functions overview the contract payments automatically. Monthly payments, installments or payments related to the turnover for shops. No limits. The system books automatically Incoming payments and triggers debit mandates. The system manages and calculates the payments for energy usage for Electricity, water, cooling or heating. The module is seamless integrated with the FaMe meter reading functions and the FaMe accounting module to manage invoices and payments automatically.

## Maintenance (CMMS) Management

The FaMe Maintenance Management Module is applicable for preventive, predictive, condition or/and reliable related Maintenance Management strategies. The FaMe Maintenance Module covers all requirements of a CMMS. Smart Meter readings triggers the maintenance by operation hours or other values. The software comes with a range of pre-defined work tickets for MEP and other services. The IoT interface activates the Maintenance task by sensor reading on demand. The system schedules and overviews the Maintenance due dates. The FaMe Asset Management runs together with the Maintenance Management the Lifecycle Management for a sustainable Smart Building Management.

## Network/Duct/Cable Management

The FaMe IT Network Management module manages low current and high-voltage current wires. Measurements can be assigned to the wires, e.g. type, material, resistance. No limits. The module covers the administration of cable trays, platforms, ducts, the capacity planning for the before mention assets, the wire allocations and monitors the utilization. The system crates work tickets for new installation, or manages a change request, or creates tickets for a disassemble of wire. The FaMe GIS system visualizes the locations of manholes, cambers, ducts and other network assets. The FaMe Asset Management Modul manages the mobile IT-Assets. The FaMe Document Management System (DMS) contains the technical drawings, size and other technical information of the immobile and mobile IT assets. The System build-up, maintain and operates a complete City Network. FaMe includes CAD and BIM technology to create a digital twin for an efficient Network Management. The Module runs with Desktop (Supervisor) and Mobile Phone, Tablet (On-Site Technician).

## Portfolio Management

The Portfolio Management module manages real estate assembles. One of the core functions calculates the actual real estate value. Different approaches for the real estate value calculation available. For an example the DCF (Discounted cash-flow) approach. The module contains different infrastructure scoring methods. For an example scoring based on the distance to schools, university, community center or supermarkets. The portfolio management module supports the operation of real estate assembles. The module overviews automatically the operation costs for branches, supermarkets, outlets or franchise objects. The system compares, bundles and overviews the Maintenance, the contracts, the Energy expenses and other operation costs.



# FaMe Module Overview

## **Project Management**

The FaMe Project Management Module manages projects and cost centers. The functions setup, controls and manage the forecast for single projects, or manages cost centers for departments or other organization units. The project management is seamless integrated with the FaMe budget management and the FaMe accounting module. The project management controls both, the costs and the timeline of projects. Sub-projects and cost elements track the costs. The system overviews automatically the project cashflows and project timeline. The system controls several projects at the same time automatically.

## **Real Estate Management**

The module manages real estates in general. The module manages assembles of buildings in combination with the portfolio management module. The module contains the basic information of a real estate like the premises, plot or building. Key information like address, kind of building, numbers of floors, space information, operation data or as an example the address list of the operation related companies, or a photo gallery are available. A graphical navigation option is available on request.

## **Relocation Management**

The FaMe Relocation Management module organize with work tickets and Barcode reading the relocation for workplaces or other assets. The function offers a detail planning for small and large relocation projects. The module is seamless integrated with other FaMe Modules like Serviceline – to generate work tickets. FaMe Selfservice Module – for relocation service requests. FaMe Project Management – to plan and overview the relocation project. FaMe Barcode function – to support the logistic and transport tasks. FaMe CAD and BIM Interface – to plan the relocation with CAD or BIM. The relocation functions are applicable for furniture and IT relocations.

## **Room directory**

The FaMe Room/Space Management Module supports two different catalogs: The Room register, designed during the development of the Building for the outfitting. This catalog is available at the FaMe System with all Information for the Lifecycle Management. The other catalog contains the user defined room types, and is linked with the outfitting catalog. The Room catalogs contain the basic Information for space and workplace management. The FaMe System manages for every room/space the lifecycle information, maintenance, repairs, renovation, available workplaces and cost allocations per Company/Department or Cost Center. In case of refurbishment, the facility manager calculates the costs for the changes to renew, based on the room register and the user requirements.

## **Security/Patrol Management**

The Module manages the Security and Safety and overview the Healthy and Environment compliance. The system schedules the security patrols tasks for a 24/7 monitoring. The security officer scans a QR code, which is mounted at the patrol point. The FaMe app records date and time of the scan for the audit. If one scan missing, the system schedules automatically an escalation process. The security officer reports incidents with the app. The app has video and photo functions to report the incident immediately to the supervisor dashboard for further action. The HSE officer use the same patrol app for the documentation of his inspection tour. He records violations again the environment and heath protection. The system generates automatically a ticket to solve the problem.





# FaMe Module Overview

- Selfservice** The FaMe Selfservice Module supports intranet and internet portals and enables untrained users to create requests for Facility Management services. Included but not limited to Service Requests, Fault or Incident reports, Relocation requests, Conference room bookings and many other kinds of requests. The system automatically forwarded the request to the responsible department or technician. The function overviews the Service Level Agreements (SLA or KPI). The requestor gets automatically a status report. A survey function is part of the solution.
- Serviceline Incident Management** The FaMe Serviceline Module tracks service requests. The Serviceline Module includes a three-level structure, to enable different escalations for service requests. The Level 1 stage manages service requests from the FaMe Apps, or the FaMe Intranet or Internet application. Or the Call Center agents records with the FaMe Call Center Module the phone requests. The tickets appear automatically at the next level. The system creates automatically orders from the requests (Level 2) for further action to execute the request. The Level2 orders appear at the Supervisor Dashboard for review. The Level 3 is reserved for complex projects, which require individually project management and cost budgets.
- Smart Home** The Smart Home solution is a One Stop Management system for the Home automation. Typical Smart Home functions like Air-condition operation, Light management, blinds on/off or irrigation timing only some features of the comprehensive FaMe Smart Home Solution. FaMe integrates different Smart Home solutions in ONE Smartphone App. The user has not to switch between different Apps, only one Apps for all tasks. The solution integrates hundreds of different sensors and actors in one application. Smart Locks and CCTV for the Access Management are seamless integrated. Actual Energy consumption reports and forecast functions helps to reduce the water, gas and electricity usages. Operate and overview your Home from any place in the world.
- Smart City Smart Building** FaMe offers a Smart Building Solution. The FaMe Smart Building Solution upgrades the proven FaMe Facility Management Solution with Sensors and Actors and other IoT elements. FaMe integrates different network protocols. BMS (Building Management System) and IoT networks. FaMe integrates more than 12 common network standards. The FaMe SCADA function is the core application for the Smart Building Solution. The SCADA Dashboard merge the online Sensor and Actor information with the operation history. The online information triggers automatically maintenance tickets or alarms. The Operation officer has the option to operate the installations direct from the SCADA Dashboard, for an example, he sets new temperature setpoints for the air condition or heating system.
- Space and Workplace Management** The FaMe Space and Workplace Management is part of the FaMe Basic Module. The function manages open space offices and single room offices. And combinations from both. The function carries the room space and the discharge areas for rooms. A Cost Center References for rooms or room sections for the cost allocation is part of the solution. Bi-direction direct Interfaces for CAD and BIM available. The workplaces are linked with the rooms. Workplace management is an option. The basic work place information delivers the basic information for the co-workplace management module.



**Pest Control** The FaMe Pest Control Module manage the disinfestation pest and rodent control for common areas i.e. compound areas, staircases, common portions, community center, pump house, and private real estates. The FaMe Module contains ready to use catalogs with work descriptions related to the pest control management. The system manages Patrol routes with a Smartphone or other Handhelds. The officer scans barcodes, mounted at traps or patrol points, and takes photos to confirm the work progress. The system records time and date automatically. The FaMe warehouse module records the poison usage in summery and per trap. The statistic function recommends automatically poison types and replacements. Special treatment requests can be submitted online. The system overviews the execution automatically. Interfaces for the FaMe Accounting, Cost control and IoT (Sensors) Modul is included.

**Tendering Management** FaMe Tendering Module supports the procurement process. The procurement officer creates a request for quotation with the FaMe tender module. He chooses from a catalog the tender text position. Then he chooses the companies which he likes to invite for a bit. The FaMe system supports paper base tenders and online tenders. The participate companies get a login and creates the quotation online. The FaMe tender module offers comprehensive tender analyses functions. The system automatically lineout the best price over all positions, and compare single positions across all bids for negotiation based on single positions. The tender module is seamless integrated with the FaMe accounting module. The system generates automatically a procurement order for the awarded company.

**Visitor Management** This module manages the visitor registration. The front desk officer registered the visitor with the FaMe visitor entry form. Interfaces for document readers are available. The system reads passports, driving licenses or ID cards and fill out the registration form with the scanned information automatically. The system supports cameras, to create a picture from the visitor. The system offers a pre-registration form with QR code. The system proofs and records the entry access with the QR code scan. The system is seamless integrated with the FaMe conference and workplace booking system.

**Waste Management** The Waste Management Module manages the recycling and disposal of any kind of waste. Including but not limited to Household waste, industry waste or Hazard waste. The system records at the pick-up point the collection amount and documents seamless the transportation from pick-up point until the disposal or recycling station. The module comes with the EU and UN material codes. This material codes classifies the waste and displays the transportation guidelines. The FaMe fleet management, cleaning management and cost control modules are seamless integrated.



# FaMe Module Overview

## Warehouse Management

The FaMe Warehouse Management Module manages the stock of Assets, Tools, Consumables and Spare Parts. The Warehouse Module overviews the min and max stock amount. The system supports unlimited amounts of Warehouses. An interface with the FaMe Procurement Module is available. The system supports Barcode, QR Code and RFID to manage the out and in bookings smoothly. The modules include Apps and Desktop functions. An approval process for stock movements can be trigger. The outgoing stock items can be linked to rooms, installations, person or work tickets. The FaMe Warehouse module is integrated with all other FaMe Modules, like Asset Management, Maintenance, Cleaning or Catering. FaMe offers a comprehensive Warehouse Module which covers all Functions of a modern and sustainable resource Management.

## Warranty Management

The FaMe warranty management overviews the guarantee periods for new asset, repaired assets or ordered services. The system sends automatically a warning, if repair or maintenance tickets linked to an asset which runs under warranty to avoid problems with the warranty guarantee. The FaMe lifecycle functions generates automatically a warning if a warranty period of an asset expired. The system contains ready to use warranty repair requests formulas to send the repair request to the warranty given company.



## FaMe Solutions at a Glance

Real Estate Management. Facility Management  
Preventive, Predictive, Condition, Reliability Maintenance  
Tag Management. Barcode. QR-Code. RFID. NFC. Beacon.  
Energy Management. Electricity. Water. Heating. Cooling.  
Lease Management. Contract. Rent payments. Installments.  
Contract Management.  
Workplace Management IWMS  
Conference Room Management  
Visitor Management  
Staff Management. HR Management. Shift Management.  
Waste Management. Recycling. Disposal.  
Lifecycle Management. Sustainable. Environment protection.  
IoT/BMS Integration. SCADA System. Digital Twin.  
Community Management. Booking Community Assets.  
Smart Cities, Infrastructure Management. Fiber Optic.  
Smart Buildings. Smart Homes.  
Smart Meters. Electricity. Fluids.  
Service Provider Maintenance.  
Service Provider Soft Services.  
Cleaning. Security. Pest Control.  
Operation Airport  
Operation Offices  
Operation Hospitals  
Operation Hotels  
Operation Campus, Universities  
Vehicle Management. Fleet Management. Construction Vehicle Management  
Robot Management. Cleaning. Visitor guidance. Catering delivery. Garden lawn.  
CAD, GIS and BIM Integration. Viewer.  
ERP System for Building Management. General Ledger construction operation.  
Tendering. Procurement. Orders.  
Financial Management. Invoice. Accounts. Balance sheet.  
Controlling. Budget Management. Forecast.  
Warranty Management.

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More information