

# IFMS STARTER KIT FOR SAP RE-FX

The iFMS system is designed to complement SAP and optimizes the execution of SAP-based business processes in technology, infrastructure and commercial facility management areas and extends the functional scope of SAP through complementary iFMS software modules. To simplify getting started with CAD integration, Syskoplan Reply offers an “iFMS starter kit for SAP RE-FX.” With the starter kit you can optimize the quality of data management and visualization of the architectural view using a CAD-SAP system integration. Cost savings are possible for your company too.

## THE CHALLENGE

Numerous challenges must be overcome to optimize quality and costs in data management and visualization of the architectural view. Transfer of structural changes from CAD plans into the architectural view in SAP RE-FX is mostly carried out without CAD-SAP system integration. Extra work and errors are caused by redundant data entries of floor area figures and room booking properties. Navigation within the architectural view in RE-FX is very abstract because of the missing links to space objects in the CAD plans and, without detailed local knowledge, is very time-consuming. Topic-related visualization and processing of SAP data in CAD plans, and thus control of graphic data and its presentation, are not possible without an integrated system.

## THE SOLUTION

The modular iFMS system used as a complement to SAP helps companies face the many challenges of real estate and facility management. The “iFMS starter kit for SAP RE-FX” optimizes business processes related to data management and visualization of the architectural view of SAP RE-FX. Automated transformation of CAD objects with room booking properties into architectural objects of RE-FX enables data management without media discontinuity. The TimeLink and PlanLink technology integrated into iFMS makes representation of CAD data according to the RE-FX time-slice model possible. The iFMS hybrid also displays processes scanned architectural drawings. iFMS mass operations for assigning SAP business partners or cost centers simplify data administration. iFMS specific displays clearly visualize and filter SAP data in CD plans according to criteria such as the use of floor space, over- or under-capacity, empty areas, or cleaning intervals.

## OUR SERVICES

Together with you, the “iFMS starter kit for SAP PM/CS” will guide your business processes through to achieving long-term success. In specialist sectors, this means that we complete a close review of the specialized requirements right from the start and make software prototypes available even during the concept phase. This allows users to become familiar with all the features available with the “iFMS starter kit for SAP RE-FX” at a very early stage, giving them direct and unique influence on the customer’s individual system configuration. In addition to optimal transfer of know-how this approach ensures implementation of the CAFM solution that is suitably geared toward real world needs and closely tied to business processes.

Our services at a glance:

- Technical concept and prototype,
- Configuration of the required functionalities and the specialized views,
- Integration with SAP RE-FX,
- Integration of the CAD systems or data,
- User training,
- Support during data transfer,
- Going live with the solution,
- Hotline and maintenance.

The “iFMS starter kit for SAP RE-FX” has the following licensing scope:

- iFMS programs: Organization standard, CAD editor and administration, CAD object import, floor space management, engineering/designs, User Info, Report Designer, iFMS/SAP-RE-FX Connect
- iFMS users: A total of six users are intended, three with editing and three with reading privileges.
- iFMS users whose work is integrated in RE-FX require a corresponding SAP license.
- The software price for the licenses just described is €22,900.00 plus VAT. The fee for the software maintenance contract is 18 percent of the licensing fee based on the currently valid price list.

## YOUR BENEFITS

The integrated solution offers comprehensive support for CAD data management and data visualization.

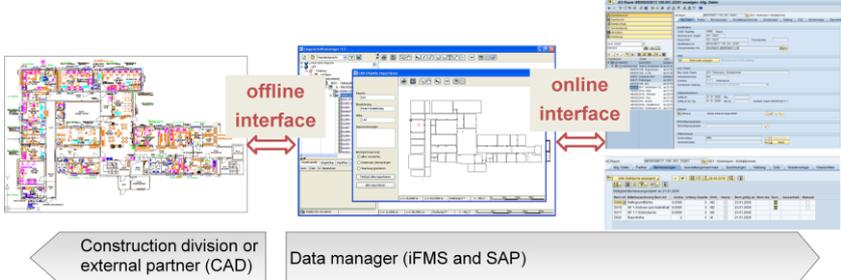
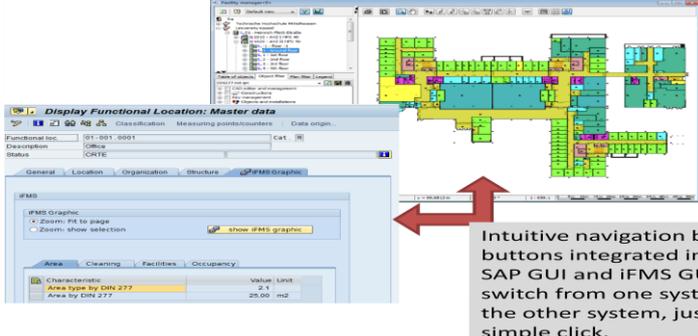
You benefit in many ways:

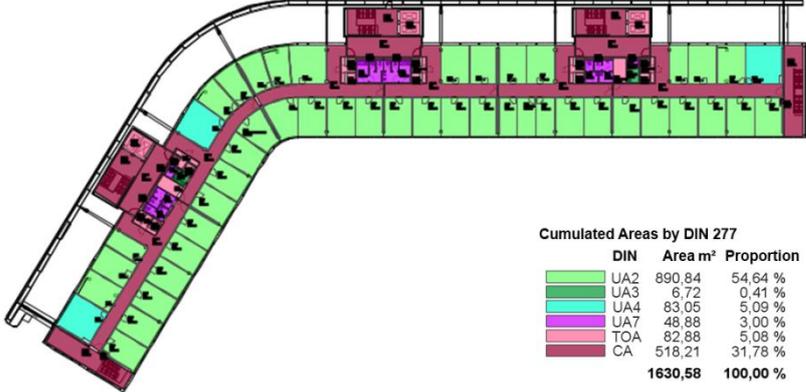
- You achieve cost savings and quality improvement of data management as a result of the transfer of CAD data and room booking characteristics from architecture CAD plans into architectural objects in RE-FX. This eliminates redundant data maintenance. Entry errors are avoided.
- Room booking characteristics not recorded in CAD plans or scanned architectural drawings can be supplemented in iFMS and integrated with architectural objects in

RE-FX. Hybrid presentation with iFMS makes all visualizations possible, including scanned plans.

- The correct graphical presentation of the CAD data which is synchronous with SAP RE-FX and matches the time slices in iFMS allows reporting-date-related plausibility checks as well as data changes for architectural objects including their partner assignments, dimensions, etc., for a given cut-off date.
- Intuitive graphics and printer functions in iFMS make the use of CAD data and visualizations possible without extensive training. You save money because no CAD licenses are required for use of the CAD-RE-FX integration.
- You save time and money because the system integration is shipped with SAP.

**Solution Highlights at a Glance**

<p><b>CAD integration</b></p>	<p>iFMS integrates many standard CAD systems. Differentiated administration and presentation of CAD layers, polygons, and properties. Importing scanned architectural drawings into iFMS. Adding polygons and characteristics in iFMS (hybrid processing).</p>
<p><b>CAD object import</b></p>	<p>Importing CAD data as polygons and objects with properties into iFMS and transfer of the relevant data to SAP RE-FX. Carrying out automated plausibility checks and reformatting of CAD properties during CAD object import. Correction or completion of CAD data during CAD object import or in iFMS. Export of SAP RE-FX data into CAD files.</p>
<p><b>Data management</b></p>	 <p>The diagram illustrates the data management process. On the left, a CAD drawing is shown. A double-headed arrow labeled 'offline interface' connects it to a central 'Data manager (iFMS and SAP)' box. Another double-headed arrow labeled 'online interface' connects the Data manager to a SAP RE-FX data table on the right. Below the diagram, a grey arrow points from 'Construction division or external partner (CAD)' to the 'Data manager (iFMS and SAP)' box.</p>
<p><b>SAP RE-FX integration</b></p>	<p>Single sign-on functionality allows the use of iFMS with the SAP password and automatic cross-system login. Creation and management of a hierarchical structure in iFMS with direct mapping to the architectural objects in SAP RE-FX (e.g. area, building, floor, room). Integration of CAD plans for outdoor plant/equipment and floors. CAD-integrated processing of architectural objects corresponding to RE-FX time slices, including general data, partner assignments, dimensions, equipment properties, and permanent occupancy. (assignments and utilization optional)</p>
<p><b>Cross-system navigation</b></p>	 <p>The screenshot shows the SAP GUI interface with a window titled 'Display Functional Location: Master data'. Below the SAP window, the iFMS GUI is visible, showing a floor plan with various colored areas. A red double-headed arrow points between the two interfaces. A grey text box at the bottom right states: 'Intuitive navigation by buttons integrated in the SAP GUI and iFMS GUI. Easy switch from one system to the other system, just by a simple click.'</p>

<p><b>Uncompromising CAFM graphics</b></p>	<p>iFMS includes a CAD editor developed specifically for facility management which any Windows user can learn to operate within a few hours. Integration with SAP allows SAP to be controlled using the CAD editor and allows presentation of CAD objects in iFMS corresponding to time slices in SAP RE-FX. CAD plans and CAD objects of a plan can be edited by several users at the same time. A user can work on several plans at the same time. Generating PDF plans with automatic header and legend.</p>																								
<p><b>Departmental views</b></p>	<p>Departmental views visualize location and floor plans in relation to a topic. FM objects are displayed or hidden and, depending on conditions, rooms and their properties are shown in a solid color or hatched. DIN areas, over- and under-occupancy, janitorial/cleaning groups or allocation to a cost center are displayed. The integrated legend with a floor space calculation function can be freely configured. Departmental views either present planning data or current data for a designated point in time.</p>																								
<p><b>Floor plan with departmental view (DIN 277)</b></p>	 <table border="1" data-bbox="981 1093 1249 1261"> <caption>Cumulated Areas by DIN 277</caption> <thead> <tr> <th>DIN</th> <th>Area m<sup>2</sup></th> <th>Proportion</th> </tr> </thead> <tbody> <tr> <td>UA2</td> <td>890,84</td> <td>54,64 %</td> </tr> <tr> <td>UA3</td> <td>6,72</td> <td>0,41 %</td> </tr> <tr> <td>UA4</td> <td>83,05</td> <td>5,09 %</td> </tr> <tr> <td>UA7</td> <td>48,88</td> <td>3,00 %</td> </tr> <tr> <td>TOA</td> <td>82,88</td> <td>5,08 %</td> </tr> <tr> <td>CA</td> <td>518,21</td> <td>31,78 %</td> </tr> <tr> <td></td> <td><b>1630,58</b></td> <td><b>100,00 %</b></td> </tr> </tbody> </table>	DIN	Area m <sup>2</sup>	Proportion	UA2	890,84	54,64 %	UA3	6,72	0,41 %	UA4	83,05	5,09 %	UA7	48,88	3,00 %	TOA	82,88	5,08 %	CA	518,21	31,78 %		<b>1630,58</b>	<b>100,00 %</b>
DIN	Area m <sup>2</sup>	Proportion																							
UA2	890,84	54,64 %																							
UA3	6,72	0,41 %																							
UA4	83,05	5,09 %																							
UA7	48,88	3,00 %																							
TOA	82,88	5,08 %																							
CA	518,21	31,78 %																							
	<b>1630,58</b>	<b>100,00 %</b>																							
<p><b>Scalable SAP integration</b></p>	<p>Modular iFMS-SAP integration makes it possible to start without or with limited SAP integration and to gradually increase the degree of integration.</p>																								
<p><b>SAP certification</b></p>	<p>iFMS has already been certified by SAP for the second time. Integration with RE-FX is available starting with SAP ERP 6.0. (Integration with SAP ERP PM/CS and MM is certified, certification for RE-FX is in preparation)</p> <p style="text-align: right;"><b>SAP<sup>®</sup> Certified</b> Powered by SAP NetWeaver<sup>®</sup></p>																								
<p><b>Administration</b></p>	<p>iFMS and the iFMS-SAP system integration are adapted to the customer's individual business processes by means of configuration and customizing. Depending on user roles, authorization for functions and data, entry forms, table displays, departmental views, etc., are customized to meet customer requirements.</p>																								



Syskoplan Reply is a leading IT services provider in the SAP environment and develops innovative, flexible and reliable IT solutions, particularly in the areas of Customer Relationship Management (CRM), Business Intelligence (BI) and Facility Management (FM). We implement innovative IT solutions, using adaptable and agile IT platforms extended with customer-specific components. This enables our customers to differentiate in the market and create sustainable competitive advantages. In addition, our customers benefit from our close partnership with SAP, strong industry knowledge and our partnership based collaboration. The inclusion in the network of the European IT service provider Reply opens up access to the knowledge of over 3,000 IT experts. In 2010, the Reply network of companies had a turnover of approx. 384 million euros in the main offices in Italy, Germany and the United Kingdom. For further information visit [www.reply.de](http://www.reply.de)

Syskoplan Reply  
[www.reply.de](http://www.reply.de)