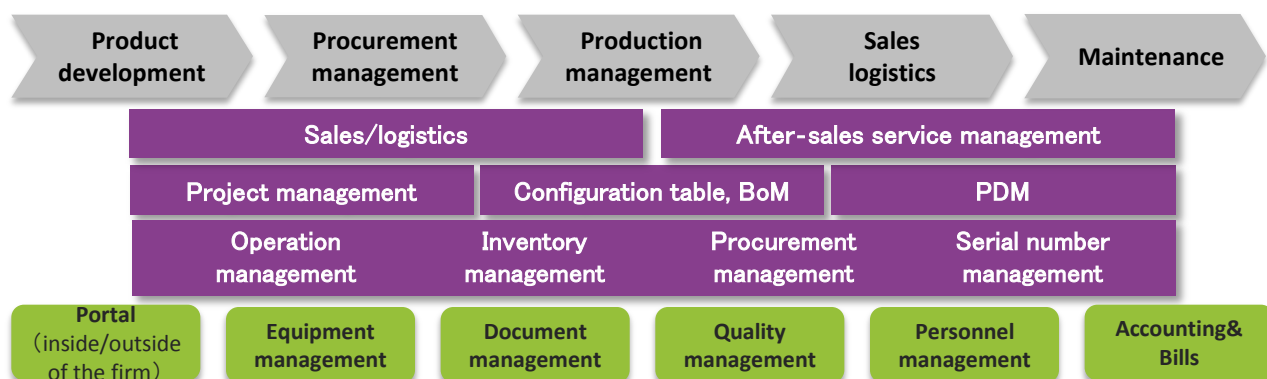


# IFS Solution for Make to Order Manufacturing Industry

IFS Make To Order™ enables you to reduce inventories, minimize lead times, reduce waste, and lower your cost of production. IFS Applications covers all your manufacturing needs, from product development through marketing and manufacture to distribution.



## It's beyond visualization of data.

The solution covers total operations like request and order from customers, manufacturing and maintenance. It reinforces cost reduction by total optimization.

It "visualizes" whole process to reduce lead-time of manufacturing, procurement, shipment and maintenance. It offers standard functions perfectly matching commercial practice like serial number management, unofficial notification and various maintenance contracts.

Integrating and sharing data for "real" information and better information analysis.



### Business needs

- Design product according to customer's specification.
- Operate several works such as engineering, manufacturing or installation.
- Need to manage budget and actual performance per operation.
- Issue invoice based on completion method because of long construction term.
- Need to integrate management of worker's schedule .
- Need to integrate management of inspection and maintenance after delivery.



### Benefits

- Sales support
- Accurate estimate
- More order chances
- Better quality
- Lower manufacturing cost
- Efficient Operation
- Production adjustment
- Saving man-hour to manage.
- Improved customer service

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## PDM linkage

Assists design of product or item, configuration management and follow-up. Strong search and copy function enhances recycle of item information and contribute to standardization. Records status transition of problems to manage why and when they were taken in and who changed the design. Several CAD tools can share functions with standardized PDM data.

## Bill of Material (BOM) management

You can compose parts configuration unique to project by copying composition of standard or past project.

For many purposes, design BOM can be developed to project BOM, and that is also able to be developed to service BOM. Service BOM is produced by project BOM at shipment of the product, and will be developed in maintenance service in accordance with contract.

## Serial number management

Gives product serial number at acceptance of order. All processes can be controlled under this number from ordering parts and manufacturing product to budget and actual performance control of cost. It matches numbers to purchase order and manufacture order through MRP, which manages prices and progress status. It also matches numbers with project activities, which manages whole projects and each unit.

## Material requirement planning (MRP)

Controls inventory of parts and materials required for manufacturing. It has functions for inventory evaluation method and lot/serial control, and totally manage inventories including finished goods in case of companywide usage. In production plan, it prepares required parts matched to manufacture order with taking lead time of supplier into consideration to avoid operations getting delayed.

## Procurement Management

Makes and matches purchasing order by manual, MRP, order processing and customer order. You can arrange parts and materials from several suppliers. Combining with MRP, it automatically chooses supplier.

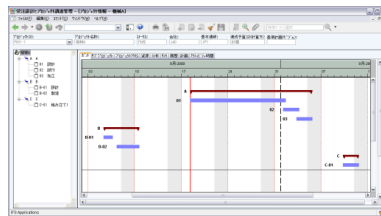
## Supply chain

The solution manages three crucial elements which are "cost", "availability" & "quality" to build customer-oriented supply chain, which quickly deals with change of demands with lower cost.



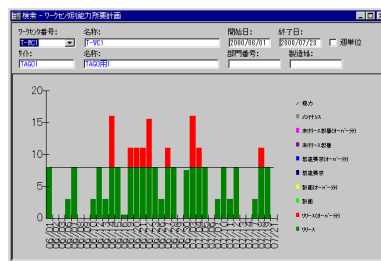
## Project management

The following phases are manageable by project: order, engineering, procurement, manufacturing, shipment and installation. Project management integrates and visualizes material procurement, progress status and cost. It controls budget and actual performance on an activity basis.



## Capacity requirements planning

It provides load information corresponding to work status to support efficient scheduling operation. Timely load information linked to latest work plan arrangement and progress status ensure better management of resources.



## Costing

You can define cost as you like by cost template and cost bucket to realize various cost management. By using several cost categories you can simulate various cost patterns that supports efficient cost setting operations.

## Work report, history accumulation

Manual report, barcode report, report per work center are available. Work report automatically produces actual work performance data.

## Maintenance

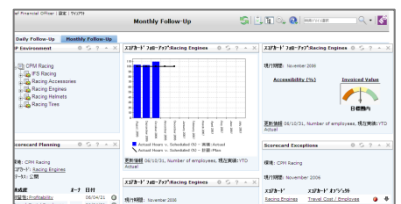
It plans and manages periodical maintenance operation and preventive conservation work to prevent machine trouble and for safe usage. Manages maintenance operation totally like preparing required parts and assigning staff.

## Document management

You can attach drawings and instructions where needed such as maintenance subjects and operation orders to standardize and streamline operations.

## Information integration, Data analysis

It shows various data accumulated by series of maintenance process as balanced scorecard by "IFS business performance". It assists flexible data analysis by easy data extraction to spread sheet software and HTML output. We provide analytic indicator for maintenance service for you to develop new indicator you need.



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