Solution for EPC industry

We offer experienced, proven solution supporting whole life cycle starting from engineering, procurement, construction to maintenance after system running.

Manage operations efficiently
- Linkage with CAD helps smooth import of design information.
- Design change management provides impact analysis and management of revision history and release date.
- Whole project and individual subprojects are controllable by setting projects by class.
- All orders in work instruction, procurement and manufacturing orders are centrally managed by project ID, which enables us to get the project status easily.
- Requirement planning and inventory management by project unit.

Analyze cost easily
- Project accounting function assists account management by project like budget, actual performance, WIP and profit.
- Manage cost in terms of both whole project and every subproject by setting project by class.
- Allocation of cost between projects is available.
- Project budget is managed by version, and we can monitor several budget transactions like original budget, revised budget and final budget etc.
IFS solution for EPC industry

**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.

**Project configuration list management**
You can composes project configuration for new project by copying standard and past cases. For many purposes, design BOM can be developed project-oriented, 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. This component is graphically shown to check information visually.

**Project order control**
Gives project order to facilities. All process 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.

**Project material requirements planning (P-MRP)**
Controls inventory of materials required for construction by project. 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, project MRP, order processing and customer order. You can arrange parts and materials from several suppliers. Combining with MRP, it automatically chooses supplier. Also, manages request and answer of quotation from suppliers. You can order without item’s stock order.

**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. Also, managed currency and exchange rate are able to set by project for overseas project with fixed exchange rate.

**Project gantt chart**
Assists to plan work schedule according to operation orders. Matches requirements and staff skills to arrange personnel accurately. Gantt chart is available for scheduling, which helps planning visually.

**Capacity requirements planning**
It provides resource load information like machines and staff required for project to support scheduling efficiently. Resource plan keeps balance of resources taking time to prepare.

**Project cost management**
You define cost as you like by cost template and cost bucket to realize various cost control. You can manage addition of project cost and details of cost breakdown of each subproject and activity, which helps detailed budget and actual performance management for supporting project budget management. By using several cost categories you can simulate various cost patterns that supports cost setting operations like cost estimate and future cost estimate.

**Work report, history accumulation**
Manual report, barcode report, report by individual staff and by each operation are available. Work report automatically produces actual work performance data and renew work status. It also adds up actual cost automatically at reporting time.

**Deemed sales**
In case of long term project, calculation of estimated sales is required according to task progress. IFS covers redeemed sales based on various settings like task progress.

**Maintenance**
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. Produces new project for major renovation to manage budget.

**Document management**
Attaches drawings and instructions where you need such as maintenance subjects and operation orders to standardize and streamline operations.

**Information Integration, Data analysis**
It shows various data accumulated by series of process as balanced scorecard by “IFS business performance”. Assists flexible data analysis by easy data extract to spread sheet software and HTML output. Various user interface such as enterprise explorer, web portal and mobile are ready to use so that you can report and check progress status of the site in remote location.

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