



# IFS EPCI TOOLKIT FOR ENGINEERING CONTRACTORS

## - GET CONTROL OF YOUR PROJECT EXECUTION

The IFS EPCI Toolkit is a standardized agile tool box that helps Contractors to improve project execution focusing on the operational processes of projects. The solution enables contractors to standardize project execution, reuse project information and control master data. This will increase reporting visibility and improve control of projects regardless of their size. The IFS EPCI Tool Kit can easily be integrated to legacy Finance and HR applications already deployed.

### BACKGROUND AND CHALLENGES

Many contractors today still have fragmented IT solutions, often with a combination of standard financial packages and own-developed applications. Many contractors have also adapted their own-developed applications to mega-projects, but are now faced with mega projects as well as large modification projects and smaller projects.

Today many contractors face challenges, such as:

- Outdated technology, lack of user-friendliness and support
- No standardization across projects leading to less reuse of data, inaccurate data, interface costs/difficulties
- Lack of operational progress control on material and hours (ETC/EAC)
- Problems to handle changes in engineering and procurement and creating the MTO
- Difficult and time-consuming processes for exchanging LCI information during project execution
- Difficulties in controlling subcontractor deliveries, quality and progress

### IFS EPCI TOOLKIT - A REAL PROJECT BASED SOLUTION

The IFS EPCI Toolkit is a real project based industry solution meeting the specific needs of the industry. The toolkit provides system support for all the operational processes in an EPCI project, including project management, engineering, material management and job setting. The solution can co-exists with ERP systems already in place for Finance and HR or IFS can offer a Financial package if you are looking for a replacement within this area as well.

Obviously, the goal of implementing management by project is to allow detailed management and analyses of the projects. The IFS EPCI Toolkit make sure the project functionality is connected into the application's planning engine as well, so fabrication items (if you do fabrication) show up on the project plan. The IFS EPCI Toolkit features a robust project WBS (Work Breakdown Structure) driven engine for execution. This allows you to better schedule jobs in parallel rather than in sequence. IFS also have standard interfaces to external planning tools such as MS Project, Primavera and safran for maximum flexibility.meeting operators various demands.

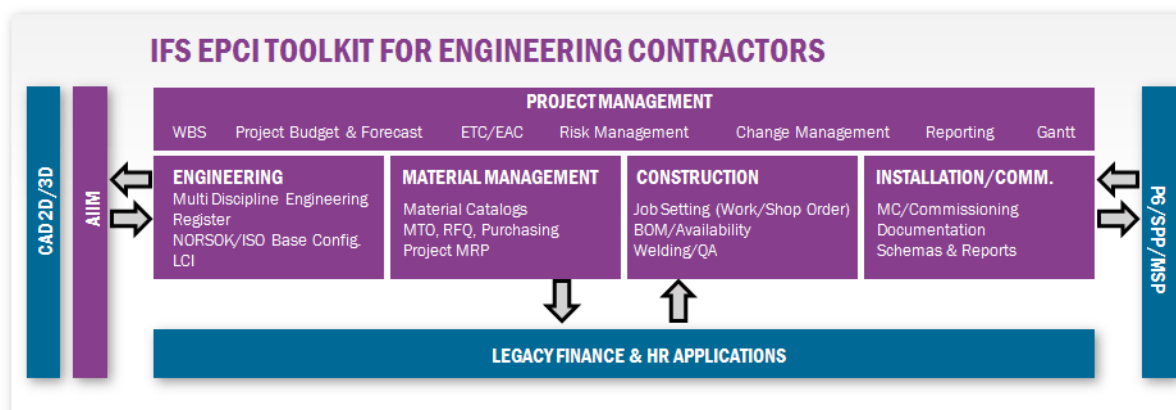


Figure 1: IFS EPCI Toolkit gives Contractors better control of the execution processes

**GET CONTROL OF CHANGES IN ENGINEERING AND MTO**

A tight integration between engineering and purchasing/fabrication and other disciplines is absolutely essential for an EPCI Contractor.

For Contractors that are involved in both engineering/design and purchasing/material management and maybe even fabrication/installation the IFS solution includes a central repository for multi-discipline engineering data that is shared throughout the enterprise ensuring efficient and error-free handover of data between functions/disciplines.

It facilitates handover from engineering to purchasing, between fabrication and installation and maybe even, in the case of last-minute changes to the design, between engineering and installation. This level of integration delivers detailed tracking of those difficult and unexpected project changes. These changes are often difficult to manage because when there are design changes, it is not the part numbers that change, but rather the attributes of those part numbers, the documents attached to the part number and the tagged information.

**GET CONTROL OF YOUR SUB CONTRACTORS**

Traditional Purchase Orders are fine for acquiring standard materials and receiving them into inventory. But are they as good for specifying the amount and qualities of concrete to be put into place or outlining a scope of services for a subsea cabling contract?

Subcontracts are not items received into inventory, but rather, represent complex agreements that involve careful development of the scope of services and then require careful performance management culminating in the application for payment process. The subcontracts are connected to the WBS as part of the deliverables which then again gives You full overview of project costs and progress.

**FABRICATION – FLEXIBLE JOBBSETTING DRIVEN BY THE PROJECT**

The IFS EPCI Toolkit has extensive functionality for planning and follow up of jobs. It is however important to emphasize that the job setting process is very different whether the job is on-site fabrication, or if it is an offshore installation job. In addition, there are also different requirements between the different disciplines, i.e. electrical and steel have completely different information basis for materiel, tools and norms. The EPCI Toolkit has this flexibility and supports these different requirements for job setting.

For handling welding the IFS EPCI Toolkit includes a standard integration to WeldEye®. WeldEye® is the complete software application covering welding documentation and quality requirements for welding procedures, welder certificates, Non Destructive Testing (NDT) and process control of your production. WeldEye® will fit any size and type of organization with requirements from international standards like ISO, ASME, and AWS.

**LCI (LIFE CYCLE INFORMATION) TRANSFER BETWEEN CONTRACTOR AND OPERATOR**

The Asset Operators focus on Life Cycle Information in the projects has increased in the last few years. Since new technology gives new capabilities, there are many brown field projects in the market and improved LCI information increase asset efficiency and safety. IFS, which have long provided IT support based on NORSOK standards, will include ISO 15926 in its portfolio of standards supported by the IFS EPCI Toolkit. With these industry standards included and standardized integration tools, IFS can deliver LCI adapters based on XML, which can be used towards the Operators IT environment for efficient LCI transfer. The critical foundation for the detailed LCI information is a solution for following a tag, asset or part from engineering to decommissioning including related documents in one system.

**LEARN MORE**

To find out more about how IFS solutions can help your organization improve its competitive edge, visit [www.IFSWORLD.com](http://www.IFSWORLD.com)