



**3DEXPERIENCE®**

# ENERGY, PROCESS & UTILITIES **CAPITAL FACILITIES INFORMATION EXCELLENCE**

Share trusted knowledge for effective decisions



## **ENHANCED COLLABORATION AND CONTROL OF BUSINESS PROCESSES FOR ENGINEERING/PROCUREMENT/CONSTRUCTION COMPANIES AND OWNER/OPERATORS**

Capital projects in the Energy, Process and Utilities industry must run on time and on budget, adapting to the consequences of unavoidable modifications. To help maximize asset availability while keeping costs down, operational performance must be improved. Reliable status reporting of all ongoing activities is essential to support multi-disciplinary stakeholders across the extended enterprise ecosystem.

Based on the 3DEXPERIENCE® platform, Capital Facilities Information Excellence provides a single source of trusted information at every stage of the plant lifecycle, from early design, engineering, construction, and operation through to decommissioning. The solution delivers technology to track requirements, structure information, monitor activities, capitalize intellectual property, and make this wealth of knowledge accessible to all stakeholders. As a result, companies control their business processes, effectively manage their projects and drive continuous improvement in execution.

## LIFECYCLE STAGES



### INTRODUCING CAPITAL FACILITIES INFORMATION EXCELLENCE

#### Single source of information provides visibility for all stakeholders

Capital Facilities Information Excellence is an enterprise solution that capitalizes data from multiple software sources to create a single source of information. It delivers a hub for data management, document control, information exchange and storage of comments that accelerates search and access to information.

Whether during construction of new facilities or when upgrading an existing plant, all stakeholders have fast and secure access to information relevant to their role, enabling them to overcome communication barriers, mitigate errors and keep track of all decisions for future reference. With visibility across all disciplines, businesses can foster real-time collaboration and limit the risks of making decisions based on inaccurate information. **During a large capital project involving 1,000 people, a company reported a 6% overall increase in productivity.**

#### Integrated project planning and execution improves efficiency

Capital Facilities Information Excellence delivers robust capabilities for a streamlined project execution. Companies make faster decisions because information is readily available and trustworthy. As activities are executed by the various disciplines, real-time reports and dashboards are dynamically built to illustrate their status. This allows managers to detect risks that can delay projects and to investigate why a task is running late by reviewing the work performed.

With clear goals and effective monitoring capabilities, capital projects can target on-time and on-budget execution, while reducing costs and improving efficiencies. **A company using this solution reported a 15% cost reduction during the detailed engineering phase of a complex facility.**

#### Full traceability in business process execution helps ensure compliance with requirements

Missing compliance steps can have serious cost and time implications. Capital Facilities Information Excellence allows companies to manage conformance to ensure that contractual and regulatory requirements are met. Requirements are gathered and associated with specific functions, systems and components, enabling teams to better assess the impact of modifications. Technical changes are managed through a reliable information lifecycle management process. Proof of compliance is created and maintained as the activity progresses, delivering a clear audit trail for inspectors and future projects.

With Capital Facilities Information Excellence, multiple complementary and correlated views of the plant can be defined, enriched and maintained to support the various configuration management processes. With such a structured approach, contractual obligations are secured, costly errors are mitigated, and valuable time is saved. In fact, **companies reportedly reduced by 60% the time spent on critical work processes, including proofing, reviewing, validating and certifying construction procedures.**

#### KEY BENEFITS

- Better visibility during project execution reduces schedule deviations and mitigates cost overruns
- Real-time collaboration improves daily productivity and increases knowledge reuse
- Improved control of information facilitates compliance and streamlines handover process

### Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

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