

## Equipos Nucleares, S.A. (ENSA)

*ENSA eliminates 30 percent of non-value added tasks and increases information management reliability with SMARTEAM*



*“With SMARTEAM, we passed a rigorous audit by our business partners, power plant customers and the US Nuclear Regulatory Commission with flying colours.”*

David Gil, Organisation and Processes Manager, ENSA.

### Overview

#### ■ **The Challenge**

*ENSA wanted to update its paper-based document management processes to improve workflows, reduce errors and meet project delivery deadlines*

#### ■ **The Solution**

*SMARTEAM gives ENSA a complete product data and documentation management system that links to project planning, enterprise resource planning (ERP) and other corporate systems*

#### ■ **The Benefit**

*With SMARTEAM, ENSA has improved productivity, integrated product structure management and achieved full compliance with regulatory audit requirements.*

#### **Paper-based processes cumbersome**

Since its founding in Spain in 1974, Equipos Nucleares, S.A. (ENSA) has been a leading provider of components and services for the nuclear power industry. Its 400 employees manufacture primary island Nuclear Plant components for business partners like Westinghouse, and custom design and manufacture fuel storage racks and spent fuel storage and transport casks.

Attention to detail and rigorous documentation processes are critical for ENSA to pass the strict audits of both its customers and the various regulatory agencies it works with worldwide. But the company’s paper-based document and data management processes were cumbersome and difficult to manage.

ENSA knew it needed to streamline workflows and reduce errors to gain ground against its larger, more diverse

competitors, improve project delivery times and assure customers of its commitment to safety and quality.

#### **SMARTEAM – a step beyond**

After considering a variety of systems to manage the hundreds of documents generated during each of its standard two to three year projects, ENSA realised that SMARTEAM offered not only the basic management capabilities it sought, but also would allow to manage the product structure linked to documents and to the company’s other control and planning systems.

“Initially, we were only considering a system for managing documentation, but after seeing the possibilities of SMARTEAM, we decided to go a step further,” said Javier Tovar, Quality and Organisation Director for ENSA.

IBM business partner Arion Data Systems managed the PLM project at ENSA, with services including the full integration of SMARTEAM and ENSA's Primavera® project planning system. "Thanks to this integration, the documents issuing activities carried out in our in-house project planning application are transferred to the PLM system and automatically linked with corresponding documents," said David Gil, Organisation and Processes Manager for ENSA. "Now the users see these tasks in context and synchronise planning with engineering content. So the PLM system acts, as it does in many other cases, as a central front-end for corporate information."



#### Benefits many, errors reduced

Since project documentation now resides in a single vault and documents are always classified and coded under unified business rules, SMARTEAM's powerful search tools can easily retrieve any document for any user with the right permissions.

SMARTEAM also automates versioning and revisions of documents, keeping users informed of the most recent released version of a given document and giving ENSA much better visibility into the lifecycle status of its documents.

"All details of internal and external approvals are registered together with the document, allowing our users to monitor the status of approval of any set of documents related to a specific project. And because

electronic document distribution is instantaneous," Gil said.

"All departments receive the latest version at the same time, while the system automatically obsoletes older versions, reducing errors and increasing productivity."

In addition the company has implemented a custom business rule that uses SMARTEAM to transfer the most current document versions to its ERP and manufacturing system, replacing an error-prone and time-consuming manual process.

"In fact, SMARTEAM has allowed ENSA to eliminate at least 30 percent of such 'non-value adding tasks'," Gil said.

Important time and error reductions, according to Gil, also come with the capability to automate the export of formatted BOM lists directly into 2D drawings and to the ERP system. Information, he said, is only introduced once in the system.

And Tovar said it's no coincidence that soon after implementing SMARTEAM, ENSA passed a rigorous audit by its business partners, power plant customers and the US Nuclear Regulatory Commission with flying colours.

"We have reduced paper consumption at ENSA by 33 percent this year alone and we expect to see that number rise," Tovar said. "And that means we're more efficient and error-free across our organisation."

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