

framatome

EQUIPMENT QUALIFICATION DATABASE SYSTEM

Proven digital tool to monitor and maintain qualification information during the plant lifetime

Decades of experience went into the development of the database tool made available to plant operators.

Challenge

Equipment qualification is the way to proof the fulfillment of requirements due to environmental and operational conditions, hazards, external and internal events. The activities related to qualification of electrical, I&C and active mechanical equipment are costly, time consuming and put new build and modernization projects at risk. For operators it is afterwards challenging to continue monitoring and maintaining the qualified status of installed equipment during plant lifetime.

Solution

Framatome developed a digital tool to keep track of qualified equipment in the various new build and modernization projects. Based on this in-house database, Framatome reduces risks, costs and qualification times by performing qualification via analysis and/or by relying on already qualified equipment.

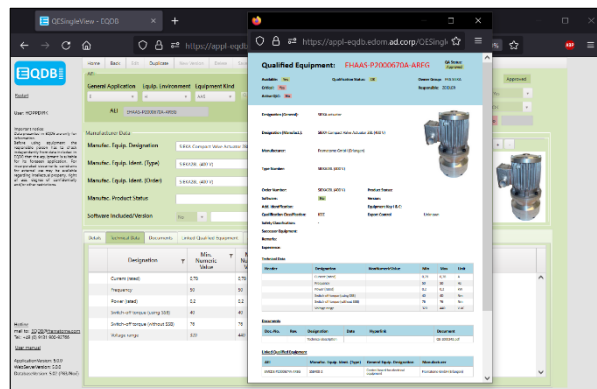
Framatome offers its Equipment Qualification Database as a stand-alone digital tool to ensure qualification preservation of qualified equipment on the long-run:

- Adjust the database to customer-specific needs
- Implement the tool on the customer's site
- Support qualification data entry and/or incorporate existing qualification data for equipment provided by Framatome
- Perform regular database tool maintenance and support

Customer benefits

- Apply proven, capable and adaptable database tool
- Take advantage of Framatome's equipment qualification expertise
- Homogenous product selection across applications, systems and plants
- Manage qualification activities all along the qualified life and perform the product lifecycle in an efficient way

Your performance
is **our** everyday **commitment**



Different views on comprehensive qualification information contained in the Equipment Qualification Database

Technical information

- One central installation without client installation
- Web Application with Graphical User Interface
- SQL database with modular and adaptable structure
- Included advanced access rights management
- Framatome support based on decades of qualification experience

Key figures

Proven database application handling more than **1700** qualified equipment managed in our database with more than **9500** technical data included and linked to more than **1900** qualification proofs.

The application is running currently for almost **300** users.

Technical information

Contained data:

- Equipment definition with technical data
- Qualification proofs / certificates with test parameters
- Manufacturer notifications for qualification preservation

Main functions:

- Implement and manage equipment and qualification related information
- Select appropriate equipment fitting to needs
- Manage equipment qualification lifecycles
- Perform qualification assessments
- Create reports and data extractions

Main data links:

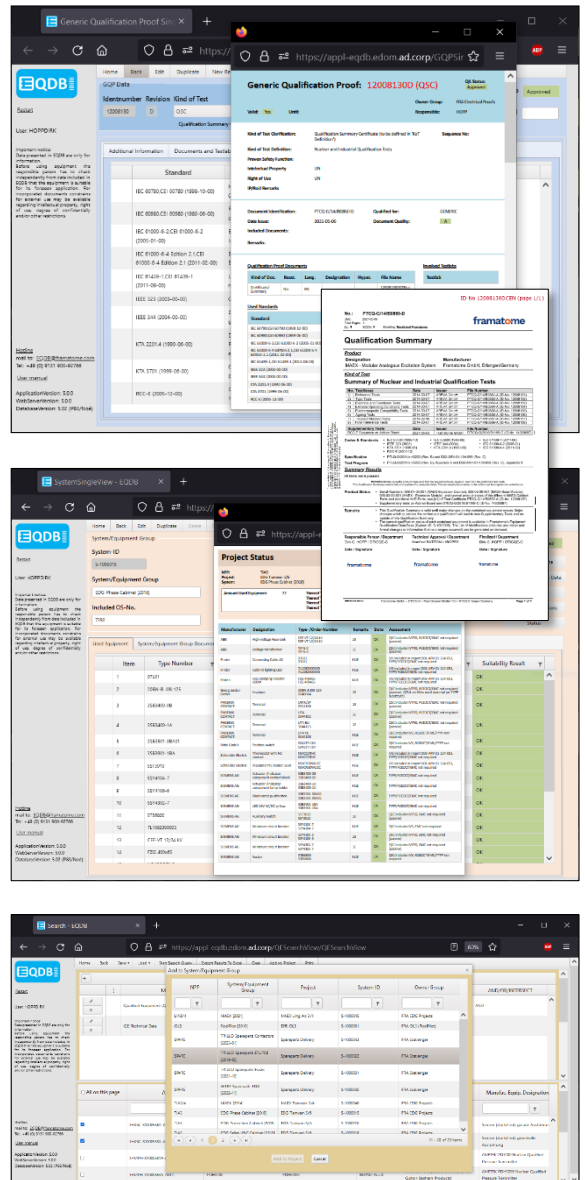
- Components to equipment
- Components or equipment to qualification proofs
- Equipment with qualification proofs to projects or systems data

Further selected features:

- Simple and advanced search functions
- Quality assurance workflow
- Upload of data sheets and qualification documents
- Email notification for data changes
- Indication which system / project uses which equipment
- Export data to Microsoft Excel
- Export qualification proofs
- Online user manual with all required information

Available services:

- Database adjustments per customer demand
- Support for installation and data entry
- Maintenance and feature updates



References

- Decades of Equipment Qualification Databases operation in-house Framatome
- Implemented standard knowledge base tool together with a large multi-site nuclear power plant operator
- Installed at a large international research project



Web Application



SQL Database



Modular System



Easy Log-in

Contact : qualification@framatome.com
www.framatome.com

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