

EDMS

GLOBAL DOCUMENT MANAGEMENT SYSTEM

ENKA
Systems

Structural Steel, Mechanical and E&I Works of
Khabarovsk Refinery



TECHNOLOGY

FOR A BETTER FUTURE

ENKA Systems

ENKA Systems is a technology company that provides software solutions to businesses that engage in large or global scale operations.



We know, Your projects generate **hundreds of thousands** of documents....



Different jobs, different projects, different units
may become difficult to manage.

Create documents, categorise them, bring them
up, modify, distribute, track, archive, report and
locate them quickly when you search.

EDMS GLOBAL
DOCUMENT MANAGEMENT
SYSTEM

EDMS

GLOBAL DOCUMENT MANAGEMENT SYSTEM

EDMS is a global electronic document and project management system, developed to meet the needs of **very large scale projects** and companies that carry out **simultaneous projects at more than one location around the world.**

EDMS allows for the creation of dynamic documents for every type of work flow, digitally saving these documents and reports, granting users and stakeholder's access throughout different parts of the world and recording and controlling all actions made on these documents during their life cycle.







Advanced Search Engine

EDMS uses a **highly advanced** search engine feature similar to Google™

- > It lists query terms within millions of documents in milliseconds
- > It uses dynamic scoring algorithms in order to arrange listings and results in the most applicable way for both documents and files
- > It has an auto-complete and suggestions for searching
- > Results listing priorities are customisable.
- > Search features can be modified in detail
- > It has a document tagging feature



Global Synchronized Distribution System

EDMS uses a unique synchronized distribution system in order to facilitate large scale document exchange between different locations around the world.



EDMS uses local data storage systems that automatically synchronize amongst themselves for projects being carried out at different locations around the world. All documents are synchronized in the background between related locations. Personnel working in the field, worksite and operating machinery access the documents from the geographically closest point. No time is wasted with download and upload durations.

- > Background synchronization between different locations around the world
- > Quick access to the documents from everywhere around the world
- > Synchronization system that can be prioritised and customised



Dynamic Document Properties

EDMS can customise different document types used in projects. Each document carries its custom fields. With different flows and customised document types that can be created for needs such as different projects, different disciplines, different locations and different units, specific flows for each specific need can be tracked. Likewise, customised reports can be created



- > Create different document types for different projects, locations, disciplines, units etc.
- > Create many types of dynamic document properties according to various types that may be needed
- > Create specific reports for different document types
- > Create unique user interfaces for different document types



Highly Advanced Interface Functionality

EDMS Displays are developed by interface experts using the latest technology. In order to increase the efficiency of end users, EDMS Interface includes various advanced features such as batch data input, batch updates and customisation with interface coding.

Interfaces, similar to dynamic document features, can be customised according to needs. Different customised interfaces can be displayed to the user according to project type, document type and document status.

- > Create different display structures for different needs and document types with the Dynamic Interface Structure
- > Batch processing features
- > Provide batch data input and import features from Excel whenever needed
- > Visual design that automatically changes for all devices
- > Automation of the interface with the script feature



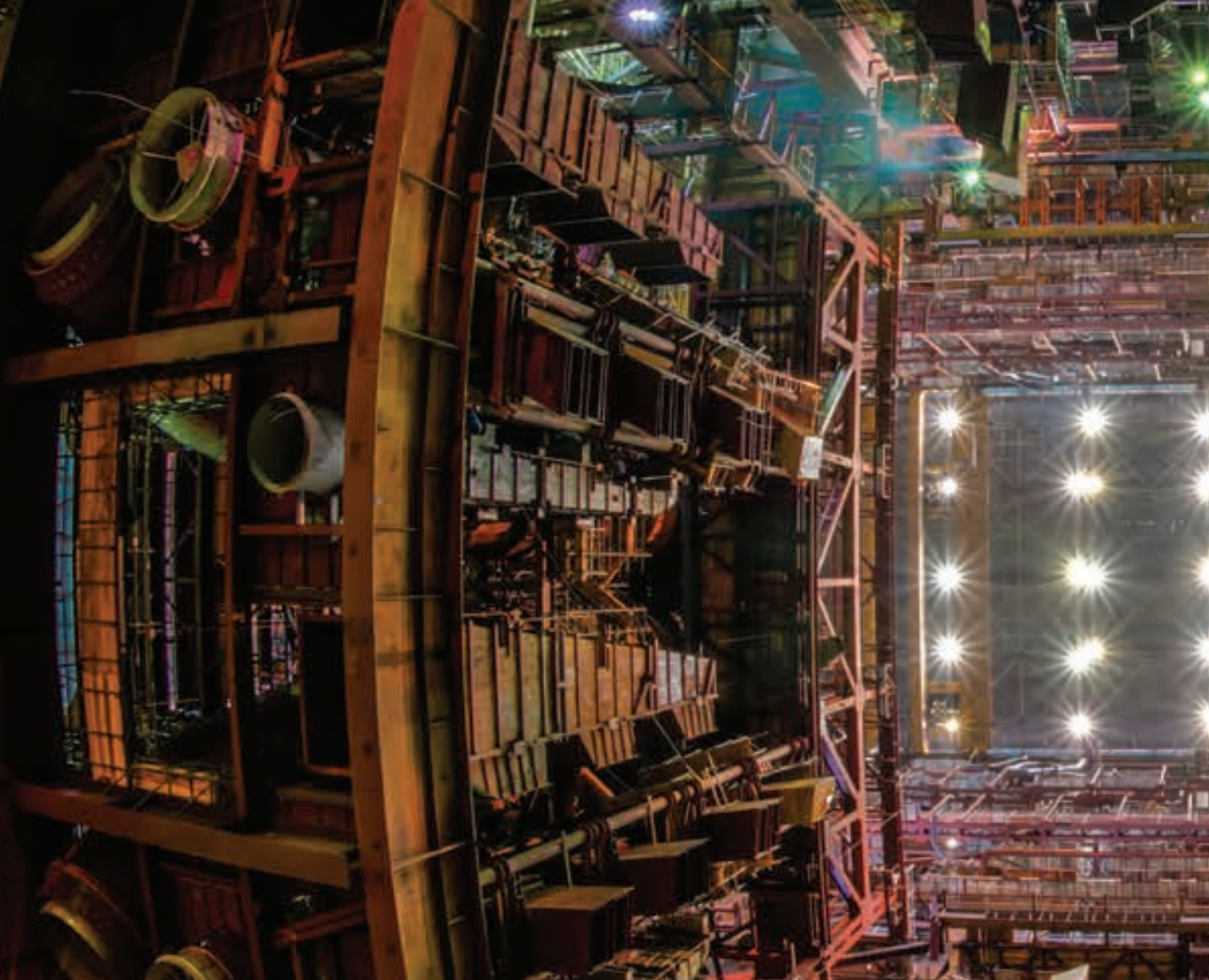
Version and Revision Tracking System

EDMS saves and displays all changes made to documents as different versions. Retroactive versions and revision history are tracked in great detail.



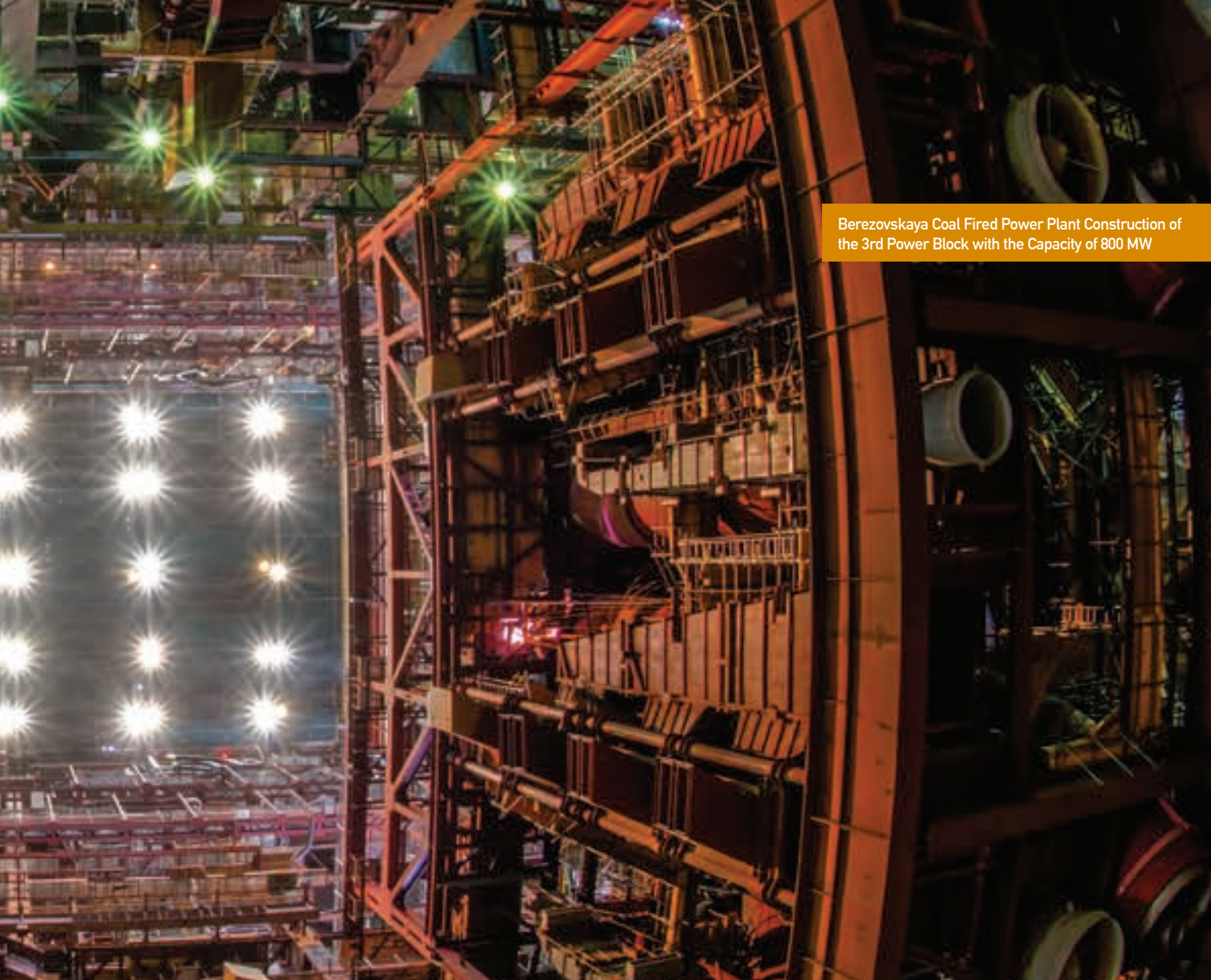
Baghdad Besmaya
1,500 MW Combined Cycle Power Plant

- > Save and display feature for all history information
- > Retrieval features



Review

EDMS includes a highly advanced review feature.



Berezovskaya Coal Fired Power Plant Construction of the 3rd Power Block with the Capacity of 800 MW

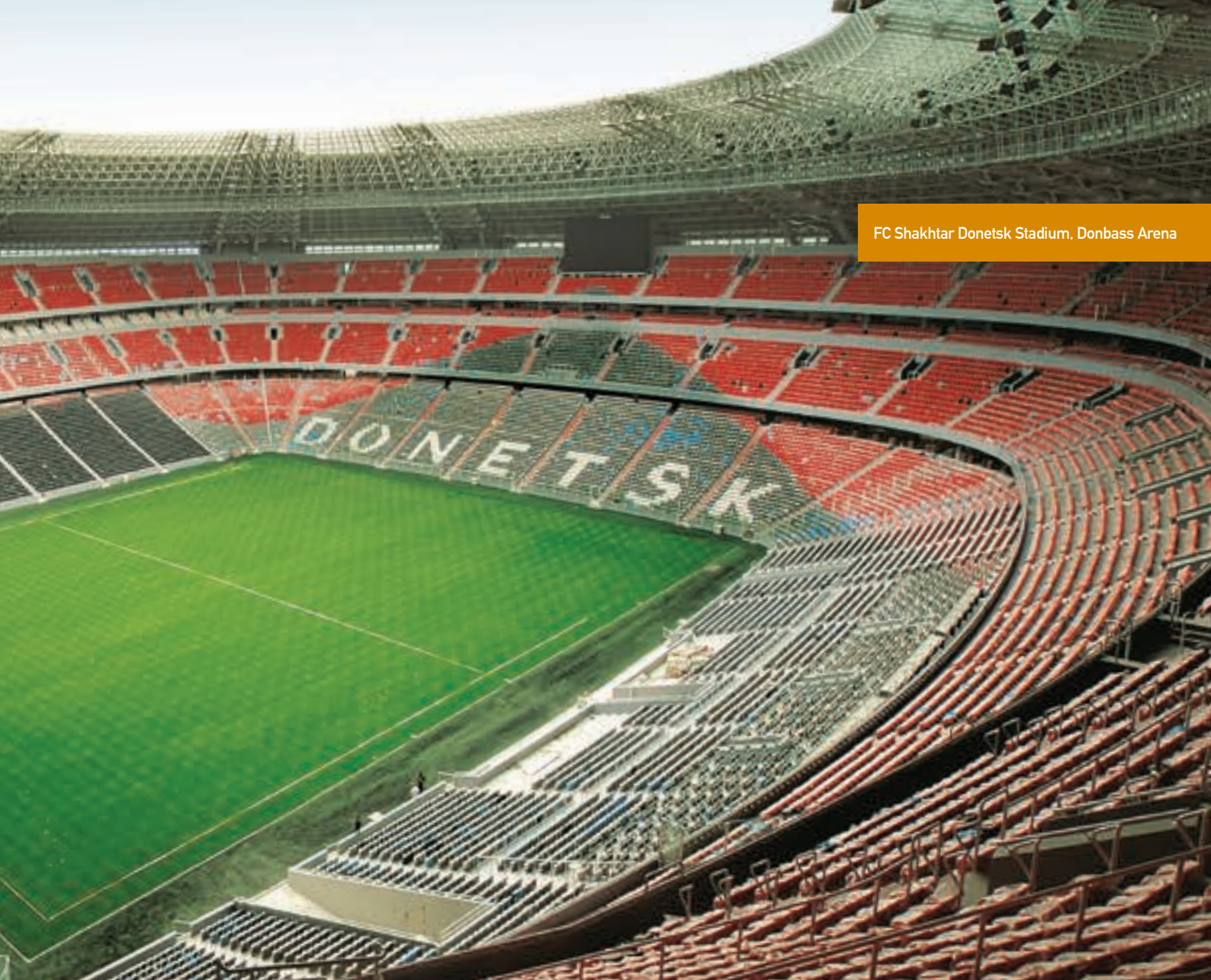
During the review process, visual and written notes can be taken on desired sections of the files in the document. Prepared documents are reviewed before reaching their final form through the chain of authorisation and any shortcomings are forwarded to the parties who created the document via EDMS.

- > Preview and image creation features which contain reviewing features
- > Prepare feedback during the review process by taking notes, drawing or colouring in on files



Advanced Reporting

EDMS includes a dynamic reporting feature along with dynamic document structure. Different types of documents based on various projects, disciplines, location etc. can be tracked with different reports. With the dynamic reporting feature, every kind of report regarding projects and processes can be created to track projects.



FC Shakhtar Donetsk Stadium, Donbass Arena

- > Dynamic report creation with the report creation engine
- > Design different types of reports for different types of documents
- > Send periodic reports with scheduled report sending tool
- > Project and process tracking



BIMSuite

EDMS contains a module called BIM Suite in order to support BIM standards. EDMS BIM Suite module collaborates with BIM standards such as PAS1192, NATSPEC which makes it is a very advanced Common Data Environment (CDE) product.



- > Model-Discipline-File hierarchy. BIM revision-version follow-up
- > Integration with other systems
- > Process 3D BIM models with IFC4 support
- > Holographic 3D BIM Model support
- > Detailed component-document relationship system
- > BCF format business tracking system and bcfAPI2 support
- > BIM 5D infrastructure for integration with external systems
- > Adapt to different project standards through advanced adaptability infrastructure

BIMSuite

Features

> BIM Models

Three-dimensional, IFC-bound BIM models can be displayed directly on the EDMS without any need for a different drawing program. EDMS also works in accordance with company procedures, employer specifications and different country legislation, while supporting both BIM standards.

> Multiple BIM Display

More than one BIM model can be displayed and processed on the EDMS at the same time. The different structures in a project and their models can be viewed in one times. BIM models belonging to different disciplines such as static, mechanical and electrical in the project can be listed as a combined view.



> **BIM Model Version Follow-up**

BIM models can be tracked with their versions, and the differences between the models can be viewed on the EDMS. The files used for creating BIM models (Revit®, AllPlan®, etc.) can be kept and versioned in relation to the models.

> **BIM Model Measurement and Take Cross Section**

With EDMS BIM Suite, the measurements of any structural element can be displayed via models, from point to point calculations and dynamic sections from different angles can be taken.

> **BIM Model - Document Relation**

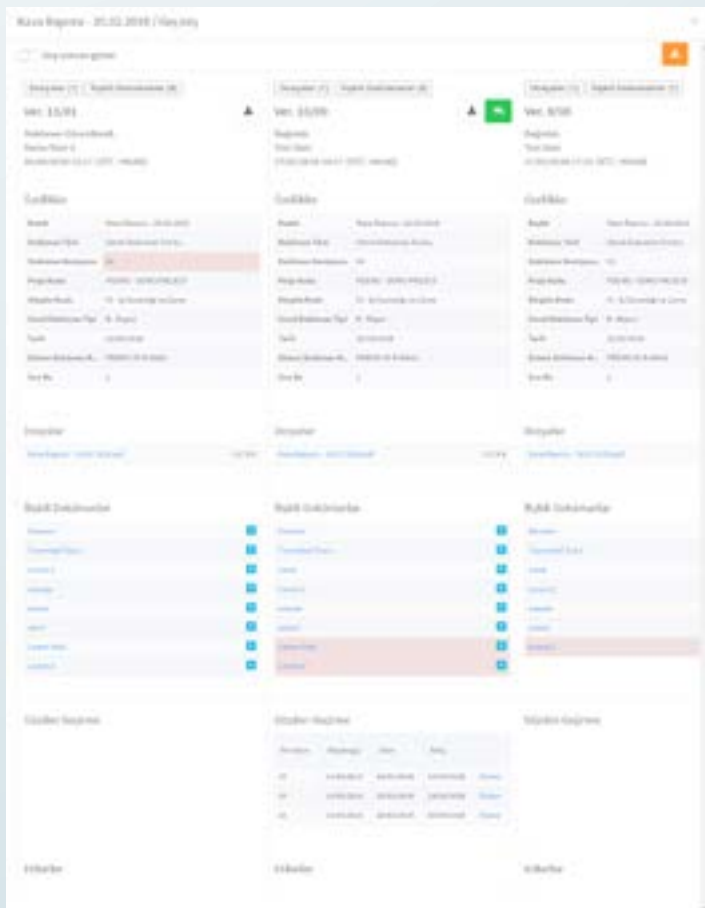
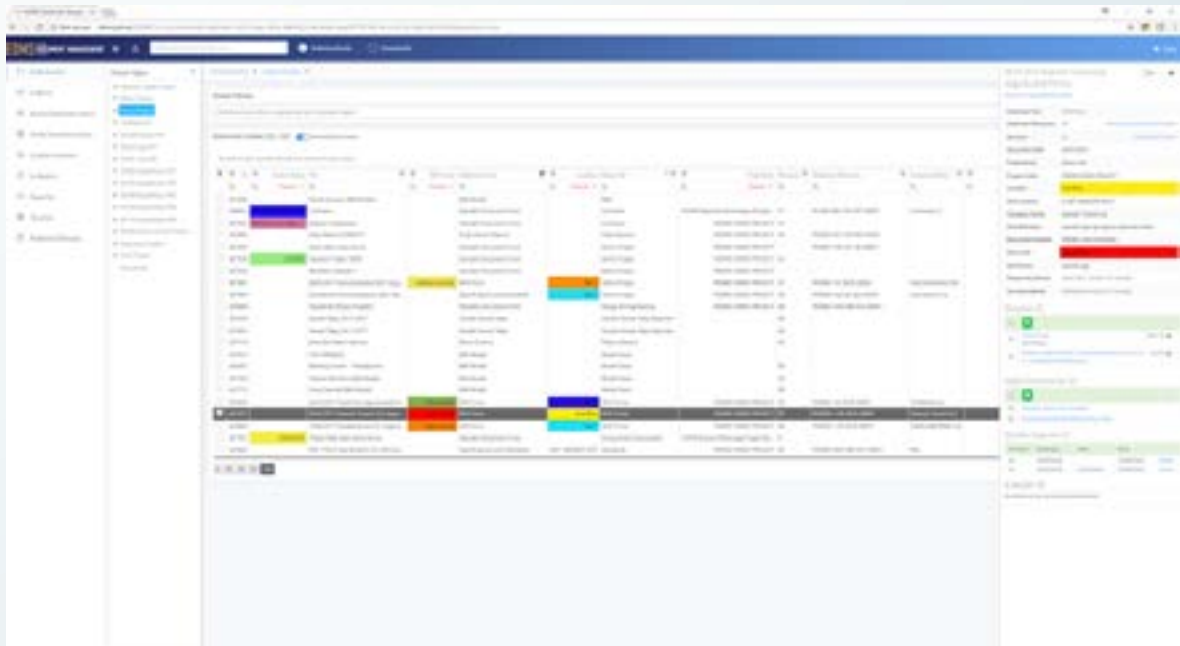
The components in the BIM models can be linked to related documents and accessed via the 3D model.

> **Issue Defining & Tracking**

Any errors, inconsistencies or changes to the project on the BIM models can be marked on the model and issues (BCF) can be generated. Task assignments and workflows can be prepared on issues. With EDMS, the progress of the work and the latest situation can be followed easily.

General Features

- > Unique substructure developed to work on a global scale and carry out projects at more than one location around the world
- > Global file synchronization system
- > Flexible, customizable user features developed for very large scale projects
- > Highly advanced search engine
- > Automatic suggestions during search and auto-complete for terms being searched
- > Dynamic Document Features
- > Automatic print-out documents created with templates
- > Dynamic Report Features
- > Scheduled report engine
- > End-user displays that can be changed according to document type
- > Optimized advanced interface for different devices
- > Automatization with interface script feature
- > Version and Revision tracking
- > Reviewing by drawing or taking notes on files
- > Previews created for hundreds of file types





TECHNOLOGY FOR A BETTER FUTURE.

Document management is a process that requires the active participation of the document control center of the project and every user who is involved in the project such as employers, designers, consultants, controllers, project managers, support teams, manufacturers, suppliers, subcontractors etc. EDMS users, within the limits of their authorisation, can create documents, upload files, update documents and revise files.

Document management requires users at various locations to have access: it is of crucial importance for all participants to be able to access EDMS from their location without delay. As a web based application, EDMS provides secure access to project documents for hundreds of users, wherever they are around the world.



EDMS enables users to access displays and examine documents with tablet computers and smartphones, as well as notebook computers.

EDMS substructure was created by taking into consideration the needs of very large scale projects and teams working at different locations around the world. With its flexible features, EDMS can be used efficiently by different types of companies and projects.

EGEM GLOBAL
EQUIPMENT
MANAGEMENT
SYSTEM

EDMS GLOBAL
DOCUMENT
MANAGEMENT
SYSTEM

EGFS GLOBAL
FINANCE
SYSTEM

EGPS GLOBAL
PROCUREMENT
SYSTEM

EGVN GLOBAL
VENDOR
NETWORK

EPS GLOBAL
PERSONNEL
SYSTEM

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