An information portal for consolidating all engineering, maintenance and operations data. It also works great with eGo.

eShare makes information available for all related business processes such as project management, procurement, production, construction, operations and maintenance. eShare provides real-time accurate information by accessing available project-related databases, improves communication and reduces information inaccuracy risks.

1. Seamless integration with CADMATIC Design & Engineering
   - See up-to-date 3D model all the time
   - See documents the moment they are published
   - 3D model and documents are automatically linked

2. Easily configurable integrations
   - Configurable interface to databases like SQL server and Oracle – you can create integrations in minutes
   - Show up-to-date data from databases as attributes or colours
   - Documents on disk can be shown in eShare and pattern-based linking to 3D model can be created
   - Built-in functionality to easily create hyperlinks from objects and groups to external systems like SAP

3. API for making more complex integrations
   - Read data from external systems like SAP and show it as attributes of objects or visualize it as colours
   - Connect to an external document management system to show all documents in the same place
   - Easy to use .NET API

Utilize your existing databases, or use eShare as a starting point and continue to other systems from there!

Unleash the full power of federated search. See data from all systems in one place
A file-based 3D viewer and collaboration tool
eBrowser allows users to walk through the model, easily locate and check details about any objects, check dimensions, use maps and make markups. The extremely small file size (about 10 Mb per project) that originates from the CADMATIC design application (or converted from another system using CADMATIC eXchangers) can be reviewed in eBrowser without the need to use or have experience of the whole system. Project managers, owners and on-site construction staff can benefit from viewing the whole digital model in 3D.

eGo
Take 3D model and data to-go in a Windows tablet and update status to eShare
With eGo it is easy to see the 3D model and navigate in it with touch gestures. It can also be used in combination with eShare. A model can, for example, be loaded from eShare to eGo, after which data can be added on-site. This way it serves as the easiest tool to make all engineering data mobile.

eShare key benefits:

- All consolidated project-related data in one window: 3D model, documents, additional info from other databases
- Documents and 3D model are published automatically from design applications and are linked
- Use search results for reporting in Excel or use the search as a gateway to all your enterprise systems
- See statuses and progress at a glance, find fitting pipes, see anomalies in operation or categorize objects to detect errors
- Share notes and ideas and collect feedback from installation teams
- Follow project progress and minimize the impact of changes
- Change statuses with eGo and synchronize them with eShare
- Benefit from integrations: utilize the full power of federated search, see data from all systems in one place, or use eShare as a starting point and continue to other systems from there
Traditionally engineering departments produce large amounts of information about projects. This increases when additional information is added from procurement, construction, project management and other processes. This information is stored in various files and databases. eShare offers users the unique possibility to access all this data via one window where the 3D model is linked with all related data.

- Publish 3D model and linked 2D project documents directly from CADMATIC applications and benefit from ready-to-use functionality
- Up-to-date view to all project data: 3D model, 2D drawings, attributes, additional and external information
- All data and drawings are linked, can be searched for and visualized
- Information can be added on top of the engineering model
- Visualize any information – for example, status of installation to follow progress
- Easily configurable integrations with external data provides added value without the need for customization
- API allows making more complex integrations to see data from all systems in one place.

Get the most out of your engineering data assets. Leave file-based thinking behind. Take the step up to shared online information with eShare.
eShare use cases

Visualization of information

Having access to information is important while the possibility to see it provides additional benefits. In eShare users can visualize any data contained in the 3D model, external databases, or information that was added by users. Data from a 3D model can, for example, be used for visualization: thickness of hull plates or pipes, type of insulation, the standard of the parts used, time of modification, and fit parts for installation – all this information can be shown using different colours. Data added using predefined status tracking cases, such as pipe spool installation statuses, or weld inspection results can be shown to provide the easiest access to it. At a glance you immediately understand what the status of the project is. This possibility provides tools for management to check whether certain areas are ready for installation, or whether the workshop has received all the parts from procurement. It can also help to schedule maintenance tasks. External data can include, for example, data loaded from sensors on site or results of periodical pipe thickness checks. This way the user can see a graph of changes of any parameter at the facility, or access risk evaluations.
The fastest way to find relevant information

Advanced search technology for simple search lets you find any item in the model, drawing, or external data that corresponds to the search criteria. In advanced search the user can create a search case using different parameters: type of value, modification time, or any other criteria. The search list is extracted and can be exported to an Excel list for further needs. This allows for example construction staff to get an up-to-date list of the status of the installation or items to be changed. You can also make a list of comments stored as smart points, where additional information is added to 3D objects or locations.

Reduce risk of uninformed decisions

You can estimate the impact of planned changes and make sure you’re discussing the same part of the model. For processes it may look simple in the diagram when making modifications, but adding a visual check in a 3D model ensures the feasibility when the size of objects and their locations can be clearly seen. An additional check of the installation status shows what parts are already installed on site and might need reinstalling. All these checks can be done in one window with a few clicks: search for the object in 3D, click on the link in the diagram position ID, visualize the status by changing the colour scheme.
CADMATIC is a leading 3D design and information management software developer and supplier for the marine, process and energy industries.

- **CADMATIC’s main offices** are located in Turku, Finland and Groningen, the Netherlands.
- **We have staff** in Australia, China, Hungary, India, Italy, Russia, Singapore, Spain and the UAE.
- **We have certified resellers** and support partners in 15 countries in Europe, Asia and America. Our growing customer base includes over 1000 customer organizations in 58 countries.

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