



# Customer Success Story



*„The new Revit Teamcenter Integration manages building data no longer only as a BIM layer model, but also the individual trades. This is a great benefit.“*

BERND KUNZELMANN, PROJECT MANAGER, MEIKO MASCHINENBAU GMBH & CO KG

## THE CUSTOMER

MEIKO Maschinenbau GmbH & Co. KG, a customer of our technology partner BCT Technology AG, provides consultation for, designs and builds complete systems worldwide for the professional cleaning and disinfection of dishes and for the additional utilisation of leftover food. Every customer receives a solution that is precisely customised to their structural and hygienic requirements, regardless of what industry they are in.

## THE PROJECT

Direct integration of the Autodesk BIM solution (Building Information Modelling) Revit in Siemens Teamcenter.

## INITIAL SITUATION

Meiko has always managed the project data of the systems designed with Siemens NX in Siemens Teamcenter. For spatial planning, they use the Autodesk BIM system Revit, which did not yet have an interface to Teamcenter. Customers also deliver their building data in Revit format. That it is server-based and without controlled data management, makes data retrieval, cross-domain coordination processes, and version control difficult.

## REQUIREMENT

Especially for larger rinsing or disinfection systems, for example in football stadiums, hospitals or universities, Meiko wanted a data model that transparently shows the relationships between all project data over the entire life cycle. That end, the customers' Revit data and the AutoCAD data from their own spatial planning was to be transferred to Teamcenter and linked to the NX construction data of the machines. The as-built version of all project data aims to facilitate subsequent service calls or modifications.

Another project goal was to simplify the data exchange of individual contractor work plans, such as for piping and flow diagrams or circuit diagrams without a Revit licence.

## SOLUTION

When Meiko starts a new project, the project team creates the new project from within Revit – their familiar system environment – via direct integration in Siemens Teamcenter. That way, they automatically generate the data model that is precisely tailored to their needs. The team stores the building data supplied by the customer in these structures in a controlled manner in order to link them with their own engineering data for spatial planning and the cleaning system during the course of the project.

Thanks to version control, up to the as-built version it is possible to trace which versions of the planning data belong together, who created them and when, and who is responsible for the releases.

Autodesk Revit is a multidisciplinary BIM software that integrates the planning of the technical equipment into the building layouts via subject-specific contractor work layers. However, for efficient coordination processes, both internally and with customers and suppliers, Meiko requires project data that has been compiled precisely for the context. To fulfil that requirement, the interface exports the Revit data, separates the CAD data of the different contractor work sections and stores them as DWG and PDF in Teamcenter.



In one of the next steps, a dispatcher is to be integrated into the interface, which converts native design data into neutral formats. The creation of a new version should trigger this process. In addition, an overall parts list and specific parts lists are generated, as is already possible today with systems engineering.

## ADDED VALUE

The proof of concept confirmed the feasibility of this new interface in advance.

The XPLM team ensured that our requirements were correctly implemented with regular fit-gap workshops.

Teamcenter no longer only manages the Revit data as a BIM layer model, but now allows the individual contractor work data to be used in a targeted manner.

## ABOUT XPLM

XPLM is a globally operating PLM solution provider specializing in integrating applications, processes, data and information for optimum cross-domain collaboration between engineers. With its unique portfolio, XPLM integrates leading PLM, MCAD, ECAD, SysML, ERP, Office, Requirements Management and ALM/software tools.

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