



# Customer Success Story



*„XPLM convinced us with their wide knowledge in ECAD and ERP systems, as well as with their flexible user adaptability. Also, their quick support response time made our cooperation very pleasant. If we get a similar project as our PADS to SAP project again, XPLM will definitely be in our minds.“*

KLAUS BAK,  
ECAD SYSTEMS CONSULTANT

## THE CUSTOMER

Grundfos is the global leader in the area of pump manufacturing.

## THE PROJECT

The aim of the projekt was the integration of Mechatronic and PADS.

## THE CHALLENGE

An Integrated BOM information management in SAP is necessary.

## ABOUT THE CUSTOMER

Grundfos was founded in 1945 by Poul Due Jensen. Annually, they produce more than 16 million pump units, generating an annual turnover of 23 billion DKK (2014). With more than 19.000 employees Grundfos is the world's largest manufacturer of pumps and pump systems.

Their work ranges from: the production and sale of electronic motors and the development, production and sale of electronics for the control of pumps and pump systems; to the development, production and sale of new business products.

Grundfos primarily manufactures:

- Circulator pumps
- Water booster pumps/systems
- Submersible pumps
- Industrial pumps
- Dosing pumps

## CUSTOMER PROBLEMS

The data exchange between ECAD and SAP was purely manual and very cumbersome for the operator. It was timeconsuming and included a high risk of error. Furthermore, it required a lot of manual verification and communication, as the BOMs were handled in spreadsheets and imported to SAP by the Product Data Group.

## REQUIREMENTS

Grundfos needed to manage BOM information in SAP as an automated process from PADS Logic to SAP, which then generates and updates BOM.

Grundfos wanted:

- BOMs to match their current sorting format
- ECM to be visible in the change history
- Sub-items for reference designators to use the easy and secure handling of assembly variants

## THE JOURNEY

### PROJECT START

- New ECAD projects are created from PADS templates or other design data stored in SAP or other sources.
- Integration creates all needed documents and materials in SAP and links it.

### SAVE

- Design data and all needed drawings, manufacturing data and other files are automatically created out of PADS and uploaded to SAP.
- BOM is created for new designs. For existing designs a “Delta BOM Upload” is performed. Different Types of BOM are supported like Production-, Engineering- and Universal – BOM.

### LIBRARY

- Separate library integration allows to synchronize existing ECAD parts with the matching SAP Material.

## CUSTOMER BENEFITS

Thanks to XPLM’s Integration allowing for BOM management in SAP, the company can now handle the production data and maintenance of BOMs more reliably, and also reduce errors using integrated automation functions.

The current ECAD integration to SAP does not need to be controlled manually and the resulting data is far more precise than before the implementation. Production errors occur very rarely, saving the user time and substantial money for the company.

### 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.

For more information, visit [www.xplm.com](http://www.xplm.com).

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