



DIEHL
Controls

PRODUCTION PLANNING WITH EMBEDDED PP/DS UNDER S/4HANA

In brief ...

Implementation Highlights

- Introduction of cross-system finite planning with S/4HANA
- Introduction of bucket-finite material planning
- CONSILIO solution for maintaining alternative manufacturing versions via finite MRP
- Successive production launches instead of big bang



3,687
Employees



550
Million euros Sales



50
Million electronics
per year



3
Continents



As part of the implementation of ePP/DS under S/4HANA, CONSILIO developed a solution for us that optimally supports the retention of alternative manufacturing versions via finite MRP.

Lukasz Janczura, Project Manager
Corporate Supply Chain Processes and Standards
Diehl Controls



PROJECT GOALS

- Replacement of the previously used production planning system
- Creation of integrated finite planning in S/4HANA
- Introduction of bucket-finite material planning

SPECIAL FEATURES OF THE PROJECT

- Use of alternative manufacturing versions in the optimizer: Alternative manufacturing versions were not abolished, but should be left finite in the optimizer.
- The go-live of the PP/DS functionalities took place via pilots in successive productive starts per line or production area and not in a big bang – across countries at different locations.

- Although purchasing was taken into account with its receipt situation in PP/DS optimization, it is still planned in ERP. The reasons for this are the complex scheduling agreement processing and call-off creation.
- Technical challenge: For complex cross-order connections across different lots, the use of fixed pegging achieved simplification and removed complexity from the optimization.

ADVANTAGES OF THE NEW SOLUTION

- Cross-system finite planning with S/4HANA
- Use of the PP/DS functionalities for finite Bucket planning
- Extended comment function on the production order in the detailed planning board



The finite MRP enables the selection of alternative manufacturing versions on a capacity basis, allowing us to use the PP/DS optimizer for bucket-based scheduling.

Frank Peks, Senior Solution Architect SCM
CONSILIO



Diehl Controls

- Industry: Hightech
- Business segment: Diehl Controls is one of the world's leading suppliers in the home appliance and HVAC/R industry – from development and industrialization to high-tech production.
- Products: Scalable electronic systems and electronic products used in heat pumps, washing machines and many other end-use devices.
- System landscape: S/4HANA 2020
- Implementation partner: CONSILIO GmbH



WHAT DO INTELLIGENT AND ELEGANT SOLUTIONS HAVE IN COMMON? THEY ARE SIMPLE.

We'll be happy to find out together what that might look like in your case. **What do you want to optimize? >**