

Technical Project

Development of a template for ODATA data extraction from SAP S/4HANA and visualization with SAP Analytics Cloud (SAC) in the context of simulation games (ERPSim Sustainability)

The project aims to develop a template for ODATA data extraction from SAP S/4HANA to be used with SAP Analytics Cloud (SAC) for visualization and analysis.

The focus is on the application in simulation games, especially for ERPSim Sustainability, to monitor the performance and progress of multiple groups. Ideally, a comparison is also made with Power BI, Excel and Tableau.



Project Tasks

- Instructions for data extraction from SAP S/4HANA and integration in SAC.
- Setting up and testing the template for use in simulation games.
- Creation of a user manual for the application in SAC.
- Customisation of the solution to the needs of ERPSim Sustainability.
- Comparison of the solution with alternatives such as Power BI, Excel and Tableau)

Field of Study

- Mechanical Engineering, MTM, MBIDA (Master project) or similar

Qualification to improve (or gain)

- Strong interest in simulation games and sustainability.
- Experience with ERP systems (e.g. SAP S/4HANA) and ODATA data extraction.
- Knowledge of SAP Analytics Cloud (SAC), (Power BI, Tableau and Excel) and data visualization.

Contact

Prof. Dr.-Ing. Agnes Pechmann
Fachbereich Technik – Maschinenbau
E-Mail: agnes.pechmann@hs-emden-leer.de

Ole Bergmann B.Eng
Fachbereich Technik – Maschinenbau
E-Mail: ole.bergmann@hs-emden-leer.de