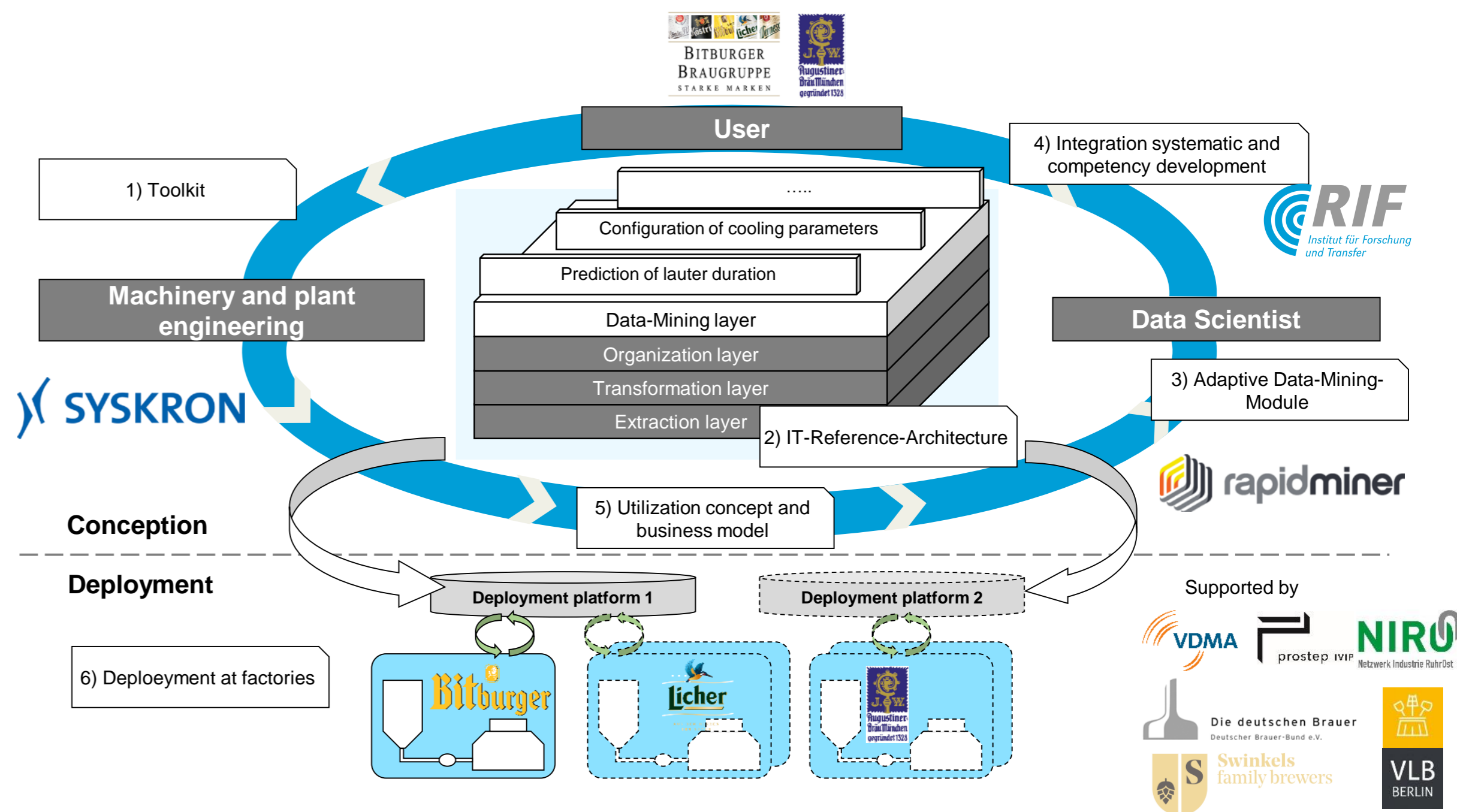


DaPro

Data driven process optimization using machine learning in the beverage industry

Project Overview

The brewing industry is with a total outlet of 96 million hectoliter beer per year an important economic factor in Germany. Increasing cost level and decreasing sales numbers bears challenges to the industry. The DaPro project strives to tackle this challenges by providing tools for a significant efficiency increase using machine learning in the brewing industry.



www.dapro-projekt.de

Duration: 01/2019 – 12/2021

Beverage Industry	Machine- and Plant-Building	Data Science
<ul style="list-style-type: none"> • Improvement of process yield and production quality • Increased efficiency and conserving resources • Transfer of results to other plants and processes • Presentation of result templates at branch events 	<ul style="list-style-type: none"> • Insights at automatization and digitalization of the beverage industry • Generalization of the use cases and providing solution templates • Providing a solution platform and establishing new business models 	<ul style="list-style-type: none"> • Integrating domain knowledge into machine learning • Claiming new sectors for data science products and services • Distribution via open source marketplaces • Foundation for future AI research

Goal of the Project

The DaPro project combines expertise from machine and plant engineers, the domain knowledge of brewers and the machine learning knowledge of data scientists to built a toolkit of machine learning modules based on a code-free data science platform. This toolkit can be utilized by the brewery industry to solve new use cases and increase overall efficiency.

Proposed Solution

- Develop a modular architecture for creating integrated analytics processes for the beverage industry
- Develop machine learning model surveillance methods to ensure stable performance over time
- Provide best practices and templates for specific use cases in the brewery industry

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