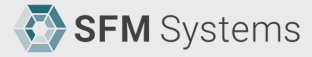


Prescriptive
production assistant

Sustainable Production

Digitalisation

Project consortium



Summary

In this project, the start-up company SFM System got the opportunity to gain experience in two automotive companies, to implement and further develop its product, the shop floor intelligence assistant SIA.

SIA uses machine learning algorithms to give workers action recommendations based on collected data. The system reduces rework time and supports employees in solving problems by identifying and prioritising main areas of errors.

It collects quantitative data of the process and qualitative data from the rework agents, which are subsequently combined and used for taking fast actions.

A model use case was implemented in the Process Learning Factory CiP at TU Darmstadt. It is made available to partnering SME companies and engineering students.

