

Project IVE

PrescriptIVE Production Assistant









The Team & Goals













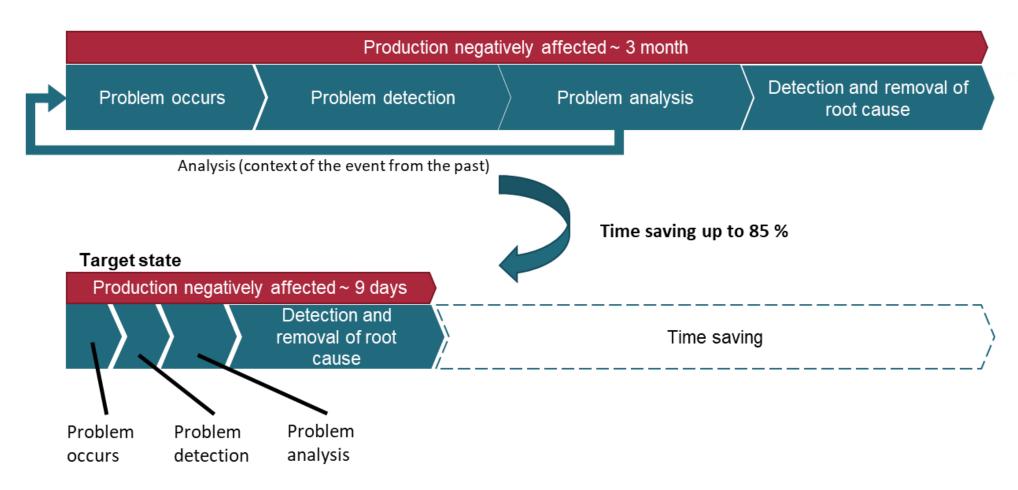
- Our Motivation: Use data to give workers action recommendations
- Goal: Support employees in solving problems through identification and prioritization of main areas of error
- Promoting discussions at the dSFM
- > Use ML to give action recommendations







Enhanced Problem Solving

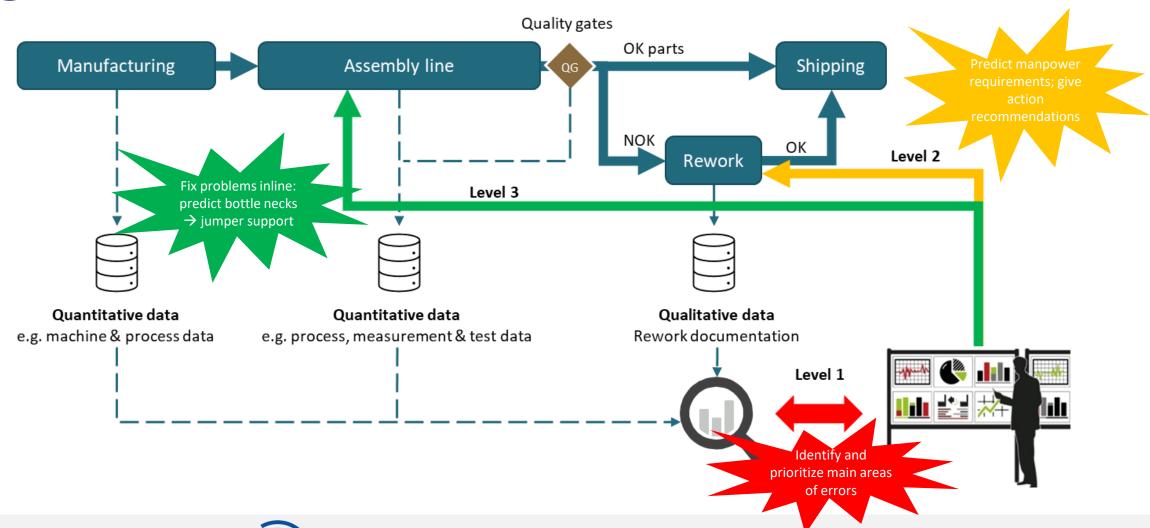








SIA – Shopfloor Intelligent Assistant

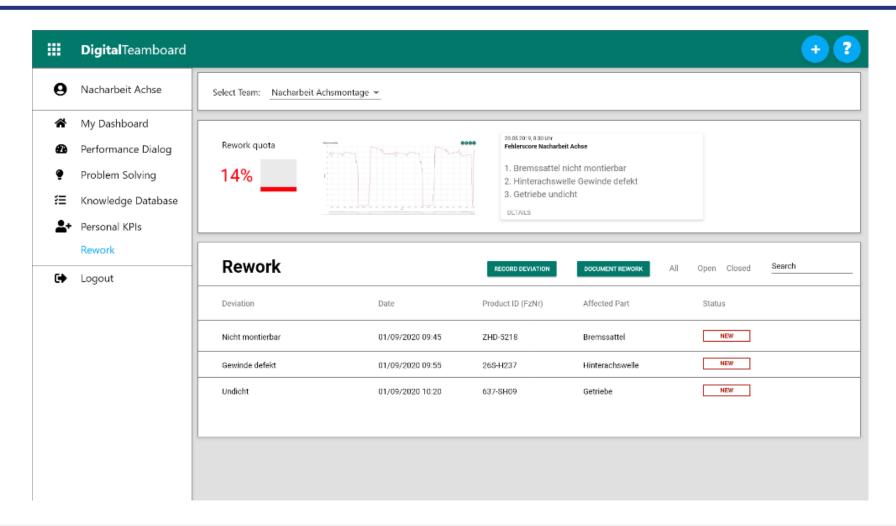








Rework dashboard









Recording tool

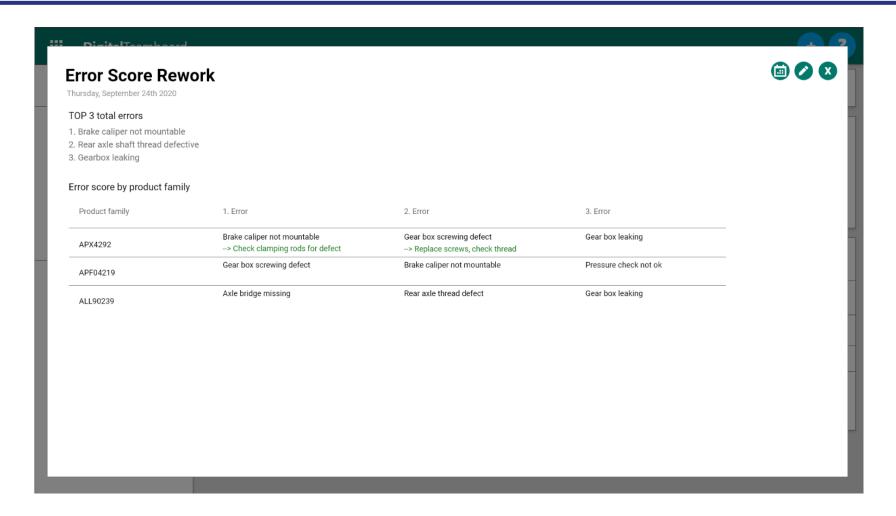
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Error Score Rework









Main project results



IMPROVED DATA QUALITY

Standardized deviation & rework recording tool





IDENTIFICATION OF MAIN ERRORS

Developed error score sharpens the daily focus on the shop floor, considers effort, time tendency as well as sporadicity





MACHINE LEARNING MODEL

Prototyp to predict manpower requirements & to give action recommendations to reworkers









Manufacturing matters!

The manufacturing industry is a global base for **prosperity** and key to Europe's **economic**, **social** and **environmental** sustainability. Manufacturing is a main driver of **industrial innovation**, **job creation** and growth for the European society



Over **2.1 million** manufacturing enterprises



32 million jobs (16% of the total EU working population)



Approx. **13 million** jobs in the growing hightech manufacturing industry¹



16.1% of the share of EU-28 GDP² (2016)



Total turnover of EUR
7.11 trillion³



