

- **January 2020**
Project Start
- 200.000€ + EIT Funding
- **February 2021**
Evaluation the results from 2020
- **June 2021**
Standardizing features for SIA
- **August 2021**
Adjustments implemented to SIA
- **September 2021**
SIA Go-Live
- **December 2021**
Project End

CHALLENGE



- Rework of products is very time consuming, and capacities are hard to plan
- Rework requires specific knowledge
- Most of the rework documentation are text



SOLUTION



- Error Score considering the different features of rework to identify and prioritize main errors
- Apply Natural Language Processing to transform the text into structured data for further analysis



BENEFITS



- Raise data quality for machine learning application
- Improve informational exchange on a worker-to-worker level
- Identify main errors for problem solving

MAIN PROJECT RESULTS

1 SOFTWARE IMPLEMENTED IN THE PRODUCTION



35 % INCREASE OF THE ERROR PREDICTION PERFORMANCE

4 LEARNING NUGGETS CREATED



46 LEARNING NUGGETS CONSUMED

“ thanks to EIT we were able to... together shape the future of manufacturing ”



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EIT project IVE
AIM: Reduce rework through data analytics and machine learning

<https://sia.sfmsystems.de/>
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