PRODUCTION MONITORING

MERGED DATA MAPPING (#10)

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Innovation Challenge 2024

PRODUCTION
MONITORING

More than **15,000 Maintenance Personnel** around the Globe

More than **20** factories

6 different languages

~1,000,000 maintenance tasks per year

GLOBAL MIND
We put AI in mAIntaince

GOAL: REDUCTION OF UNPLANNED DOWNTIME

PEOPLE
- Learn from others
- Learn faster
- Solve problems faster
- Less stress, more fun, more satisfaction

Factory
- Instant access to collective knowledge
- Reduced Downtime
- Increased Production
- Happy Christoph Schröder

Global
- Instant access to multi language knowledge base
- Analytics of global maintenance data
- More time for predictive and preventive maintenance
- Increased Production
- Happy Oliver Zipse

DEMO

SOLUTION ARCHITECTURE
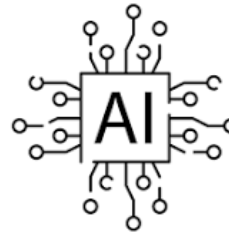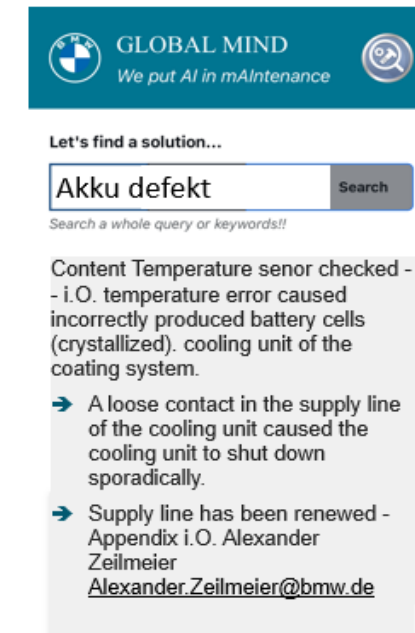
DATA SOURCE

PRIVATE CLOUD

APPLICATION

Production Monitoring (IPST)

Smart Maintenance (SAP)

SEMANTIC SEARCH

GLOBAL MIND
We put AI in mAIntenance

Let's find a solution…

Akku defekt   Search

Search a whole query or keywords!!

Content Temperature senor checked - – i.O. temperature error caused incorrectly produced battery cells (crystallized). cooling unit of the coating system.

➡ A loose contact in the supply line of the cooling unit caused the cooling unit to shut down sporadically.

➡ Supply line has been renewed - Appendix i.O. Alexander Zeilmeier
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NEXT STEPS:

- Add **additional data sources** (i.e. manuals, training materials)

- Add instant **chat with incident reporters** (global team) with language translation

- Create the **multilingual UI**.

- Scale up and commercially deploy **GLOBAL MIND** for all BMW factories around the globe.

- Train maintenance personnel how to use it.

RECOMMENDATIONS:

- Improve data quality and documentation. Provide voice capture for smart maintenance

10,000,000

MINUTES