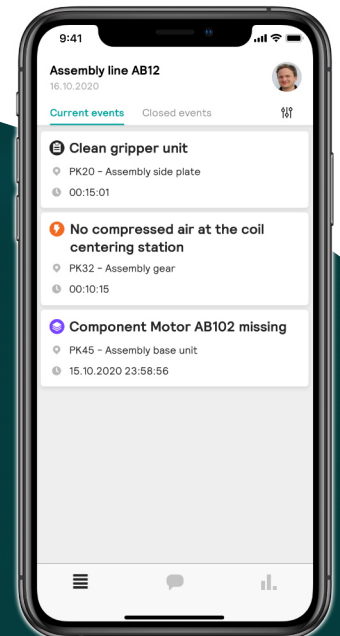
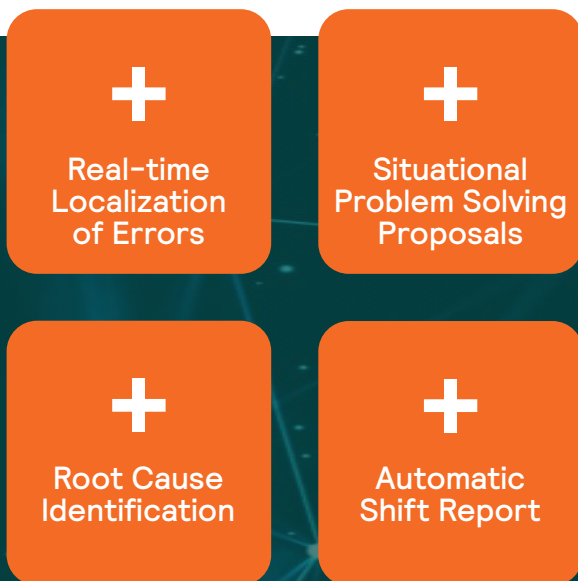


The real-time Solution Recommender

Shannon®, the real-time solution recommender, provides **situational solution proposals** for the employees at an **automated production line**. The tool thus forms a **continuously operating optimization control loop** based on high frequency PLC data. Shannon® makes **expert knowledge** about errors and their solutions explicitly **available** to the entire staff in the right situation via an **app**.



Results

- Increasing operational efficiency (OEE) by reducing short stops and breakdowns (MTTR) leading to +10 % OEE
- Dynamic knowledge capturing of actual machine behaviour for long-term optimization
- Turning expert knowledge into valuable problem solving suggestions
- Sharing experiences and trouble shooting knowledge between all shifts and even factories leading to -30 % of variation in productivity
- Reducing ramp-up or relocation phase by -20 %