

# PRODUCTION ANALYSIS

ANALYSIS USING DIGITAL TWINS  
WITH RF::SCOUT®

## COLLISION ANALYSIS

## PROCESS ANALYSIS

## PROCESS OPTIMISATION

# RF::SCOUT®

The analysis tool for collision detection, process visualisation and production optimisation

With increased expectations regarding output and production costs, automation systems become more and more **complex**. Ensuring **cycle time** and preventing **downtimes** is a great challenge. **RF::SCOUT®** gives you the tools to analyse and optimise your production.

**Detect collisions** and analyse robot-robot **interlocks** with the Interlock Check, based on the **Digital Twin** and your **production data** from the real world. By comparing all robot paths in all possible combinations it even finds collisions that would appear after years of production.

**Analyse the cycle time** of your production, based on the component behaviour in the real world. Create full **cycle time diagrams** of the real process and compare to the planned process. **Feedback** process times to your **cycle time libraries** for future planning.

Evaluate the **workload** of devices in your production. Detect **bottlenecks** to quickly give direction for improvements.

**Optimise** your process using both **Interlock Check** and **Process Analysis**. Identify optimisation potential in the **cycle time diagram** and the robot-robot interlock sequences. **Simulate** improvements on the **Digital Twin** – without risking downtimes in the real world.

Use **RF::SCOUT®** to **safeguard** (Virtual) **Commissioning** and **optimisation** activities before they are implemented in the real world, fully **independent** on the **Digital Twin**.

Increase your **production output** and **reduce the risk of downtimes** due to unexpected events. **Contact us** for more information and visit our **website**.

Digital Innovations | Software | Services

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COLLISION  
DETECTION



CYCLE TIME



SAFEGUARDING



OPTIMISATION



WORKLOAD

