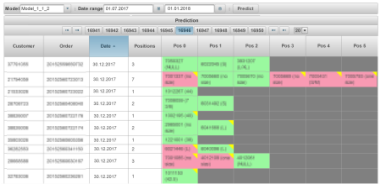
PREDICTIVE INTELLIGENCE

# Software Modules

Depending on your challenges, different PREDICTIVE INTELLIGENCE software modules are used.

## Module SELF-LEARNING

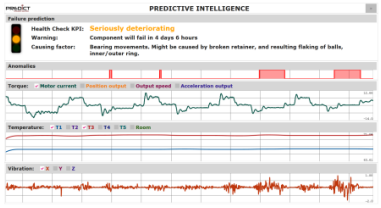


Solution core are innovative un-supervised and explainable self-learning algorithms, to discover complex patterns, initially, and to realize continuous learning. Cognitive Robotic Process Automation procedures understand dynamic changes of processes and influences. In this way, multi-layer data patterns can be discovered in a reliable way. Hidden disturbing factors are exposed. Therefore, you can optimize your processes sustainably.

## Module ANALYSIS

In order to improve processes persistantly, reasons for bad results need to be discovered. Exactly that is what the module ANALYSIS is focusing on. You receive transparency on disturbing factors, for example why machineries, built and set up in the same way, deliver different results.
This transparency enables you – even in complex variant diversity – to focus on complex root causes, and to improve your processes sustainably.

## Module ANOMALY DETECTION

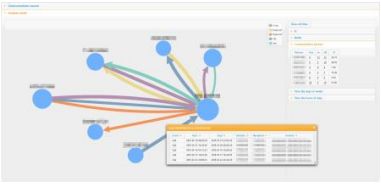



If your process KPIs do not deliver desired results, then, it is already too late: There are negative effects on your process performance. ANOMALY DETECTION discovers early signs of deviation in behavior patterns. These anomalies are assessed by self-learning. In this way, process-related anomalies can be differentiated from those anomalies which will lead to problems.
Thus, you avoid inefficiencies, before they actually happen!

## Module PREDICTION

How business-relevant KPIs will develop into the future is often depending on complex interrelations. PREDICTION module enables you to plan also those complex and dynamic processes with high accuracy. In addition, you get aware of negative developments before they will happen.
In this way, you are able to plan complex processes and avoid inefficiencies before they occur!

## Module SIMULATION



Which benefits do you gain from changed processes? Before implementing changes on an organizational and technical level, use SIMULATION to assess different scenarios.
In addition, SIMULATION evaluates, for example, how your machinery can run in an optimal way, i.e. with minimum production loss.
In this way, you select the best process variant and save time and money!

## Module CONTROL

If you want to automate optimization, realized by above-mentioned modules, then, you can easily connect CONTROL module to your operative IT systems.
Both, technical as well as non-technical processes are continuously and predictively optimized. Process changes are taken care of because self-learning algorithms for continuous learning go on optimizing processes and machineries in daily operation.
In this way, you realize automated optimization of your complex processes without manual interaction!

**About IS Predict GmbH**: IS Predict GmbH helps organizations to get the best business value out of digitalization and data analytics. The company´s PREDICTIVE INTELLIGENCE solutions enable customers to optimize their processes in a predictive way – avoiding inefficiencies before they occur.

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