+ PSIqualicision AI

Web and Cloud-enabled Software for Decision Support and Optimization

PSIqualicision AI decision support and optimization
with integrated didactics

- Process data analyses and forecasts context-open and across industries
- Explainable interactions of profitability and sustainability KPIs
- Optimization and decision-making for selection and classification
- Increase of user acceptance by understandable AI decisions
- Installation and call via PSI App Store and PSI-Cloud per touch of a button

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Decide qualitatively AI-based

Today, companies use decision support software to optimize business process objectives such as short throughput times, balanced utilization of resources or high degree of adherence to delivery dates, which are managed as profitability indicators in the companies. PSIqualicision AI is a web- and cloud-enabled software that can optimize your business process objectives. The software is provided via the PSI Industrial App Store.

It offers the Qualitative Labeling of business process data whereby interactions between KPIs (Key Performance Indicators) are machine learned and explainable visualized. Qualicision AI Technology stands for qualified decision support applied to the business process optimization and to data-based analysis and forecasts. Using adequate AI methods, the web-enabled Qualicision AI software automatically recognizes interdependencies between performance indicators, balancing goal conflicts while taking into account adjustable optimization priorities. Based on the combination of process data and process knowledge, the resulting decision support is able to optimize business goals in real time and for planning. Since Qualicision generally works with all types of performance indicators, sustainability KPIs are directly considered as optimization goals and, on an equal level with profitability KPIs, can be integrated in the optimization strategy.

From the PSI Industrial App Store the web-enabled PSIqualicision AI software can be installed and started via the PSI Cloud directly by click, among others. With PSIqualicision AI optimization algorithms different individual decisions can be combined into efficientoverall KPI decisions. This is done by means of data-based KPI evaluation of automatically machine learned inter-actions within the business processes to be optimized. By means of PSI Click Design, results and modelling can be edited in the PSIqualicision AI dashboard. Special widgets finally allow customizing and visualizing the results via drag & drop. The software uses a special machine learning technique to set system parameters as preferences in a way that corresponds to the current data situation, and automatically recommends suitable settings of the criteria to be optimized. Referring to the current data situation, a goal conflict matrix explainably visualizes which of the KPIs can be optimized with the remaining KPIs either in a supporting way (green) or in a conflicting way with potential for improvement (red). Depending on the balancing of KPI preferences, suitable decision alternatives can be calculated or identified and selected. Depending on the preferences specified by the user, selection decisions or data classifications can be optimized. The selection uses the proven KPI goal conflict analysis of Qualicision AI.

PSIqualicision AI Dashboard with Goal Relations, Impact Matrix and KPI preference sliders

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