



PSI Presents Integrated Smart-City-Software at the ITS World Congress 2021

Intelligent solutions for sustainable mobility and supply infrastructures

Berlin, September 10, 2021 – With the motto “Discover PSI’s Smart City Ecosystem!“, the PSI Group will be presenting intelligent and integrated software solutions for the city of the future at this year’s ITS World Congress in Hamburg from October 11 to 15, 2021 (Stand B5002 in Hall 5).

The focus will be on how AI and cloud-based software can assist municipalities in operating their infrastructure reliably, intelligently and sustainably. The PSI Smart City Ecosystem consists of software solutions for predictive traffic control, monitoring and maintenance management, smart utility grids, integrated depot and load management for e-vehicles, automated rail transport and efficient baggage handling at airports.

The KPI decision-supporting software from PSI optimizes traffic control, management of electrical grids as well as the operating processes in bus and tram depots. It is based on the value-added business-process data analysis with self-learning processing of historical data by means of artificial intelligence.

In this manner, the PSI depot and charging management system handles the control, charging and disposition of all the emissions-free vehicles in the bus depot. It takes into consideration all the necessary impacting factors and dependencies and provides an optimal vehicle availability. The train management system forms the basis of the digitalization and automation of the processes in rail traffic.

PSI also applies an innovative approach for the multi-criterial support of decision-making which proactively and cooperatively influences traffic on freeways and highways as well as in cities, allowing for the smooth flow of traffic and safety. In addition, the maintenance management system assures the monitoring of road infrastructures for their operators.

PSI provides advanced systems for controlling electrical grids of any voltage level, if necessary in parallel to other supply infrastructure for gas, water and remote heating that support predictive network simulation on the basis of weather and load forecasts and, in

particular, take renewable energies and e-mobility into consideration. Support for service management, operations and fault management are completely integrated.

On the basis of an interactive smart city website, visitors can explore the advantages of the integrated PSI applications during the congress or on their own in advance. Link:

www.psi.de/en/smartcity

The **PSI Group** develops its own software products for optimizing the flow of energy and materials for utilities (energy grids, energy trading, public transport) and industry (metals production, automotive, mechanical engineering, logistics). PSI was founded in 1969 and employs more than 2,100 people worldwide. **www.psi.de**

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