

## **UITP Summit: INIT presents next generation systems**

Karlsruhe, 17 April 2023

**Public transport is undergoing significant change and is facing numerous challenges. In order to meet the climate protection targets set by politicians, it is essential to encourage more people to switch to bus and rail. To achieve this, service quality must increase while also reducing barriers to access, especially in the area of ticketing. INIT, the world's leading supplier of integrated IT solutions for public transport, will be presenting at the UITP "Global Transport Summit" from June 4 to 7 in Barcelona. INIT will showcase the next generation of its integrated planning, dispatch, telematics, and ticketing system MOBILE at its booth C202 in hall 6.**

INIT's nextGen products and solutions will enable transport companies to improve their service quality and efficiency while achieving the transition to electromobility. Semi-automation, optimization tools, assistance systems, and machine learning open up entirely new possibilities to transport providers. Visitors to the INIT booth can learn about the MOBILE nextGen concept and watch various hardware and software demonstrations. INIT's solutions equip public transport for the challenges of the future and lead it into a new dimension.

### **New dimensions in operations control and passenger information: improved service quality**

Monitoring operations in the control center is a key task for transport companies. It is therefore particularly important that dispatchers receive maximum support. INIT's MOBILE-ITCS nextGen, the new generation of their Intermodal Transport Control System, will be showcased at the booth. An up-to-date user interface in UX design with many new functions allows dispatchers to perform their tasks more easily and more quickly. Thanks to machine learning, the accuracy of departure time prediction increases significantly and improves the quality of passenger information – an essential cornerstone of service quality.

The task of providing passenger information quickly and reliably via an increasing number of media is covered by INIT's RESPONSEassist. It can generate and send precise and consistent passenger information – largely automated by means of templates and meta information – with one click across all channels. In addition, RESPONSEassist integrates dispatch, passenger information and operational documentation processes and supports the work in the control center in a completely new way. Disruptions can be handled efficiently with a prepopulated online form and a predefined, recommended course of action. In this way, dispatchers can perform their tasks efficiently and at the same time manage all channels of passenger information within a minimum amount of time.

Passenger information can also be used to provide passengers with an additional service: vehicle occupancy levels. It allows passengers to search for connections that are less busy. Using a patented process, INIT's MOBILEguide does not only factor in current vehicle occupancy levels, but also the number of passengers that are expected to alight at each stop. Occupancy predictions calculated in this way are characterized by a high degree of accuracy, which was not the case with legacy systems.

### **New dimensions in ticketing: reducing barriers to access**

Transport companies are faced with the task of winning back customers who turned their backs on public transport during the pandemic. In addition, the share of public transport in the modal split must be increased in order to meet climate targets set by politicians for the transport sector. In order to encourage people to switch to public transport, first and foremost the purchase of tickets must be simplified. This works well when passengers pay with credit or debit cards, smartphones or smartwatches – in other words, they use the media they already carry with them and do not have to worry about finding the right tariff.

INIT will present Ticketing-as-a-Service (TaaS) at its UITP booth. Its SaaS model enables transport companies to quickly introduce Open Payment Ticketing according to the EMV payment method and without extensive investment – even in addition to existing fare management systems. This is made possible by a cloud-based platform. It allows transport companies to

manage their fares and best fare options using a browser application and it processes payments. As a result, transport companies can offer maximum service with minimum effort – at minimal costs.

### **New dimensions for e-mobility: providing solutions to climate change**

Public transport plays an important role in achieving the climate targets set for the transport sector. The conversion to e-mobility, which is well under way in many transport companies, should contribute to this. However, operational processes are being radically changed with the use of electric buses because of their limited ranges. With INIT's comprehensive eMOBILE product suite, transport companies can successfully introduce e-bus fleets and operate them efficiently. This is proven by numerous successful INIT projects worldwide.

The planning and simulation system eMOBILE-PLAN calculates the effects of various parameters on the total costs and handles e-bus-specific requirements for block building. The Intermodal Transport Control System MOBILE-ITCS continuously monitors electric vehicles' state of charge and alerts dispatchers when vehicles reach a critical state of charge. This is all based on reliable range prediction, something which is becoming increasingly precise thanks to machine learning. The charging processes themselves can be controlled and monitored with the MOBILEcharge intelligent charge management system. Having a close connection to the depot management system, MOBILE-DMS ensures that current states of charge, charging capacities and planned departures can be taken into account. With the help of the driver assistance system MOBILEefficiency, energy consumption is monitored in order to further improve range prediction. This integrated overall system covers all operational e-mobility requirements.

With these and many other newly developed solutions, INIT systems will help transport companies to transition to e-mobility, to provide a wide range of precise passenger information, to simplify ticket purchasing and ultimately to significantly improve service quality.

INIT's presentation on autonomous driving will also highlight new mobility solutions:

Dr. Roxana Hess AUTOMATED VEHICLES: WHAT ABOUT THE BIGGER  
BUSES ON OUR ROADS?

7 June | 12:00 - 13:00

Venue: Moonlight, Hall 5

## **About INIT**

As a worldwide leading supplier of integrated planning, dispatching, telematics and ticketing systems for buses and trains, INIT has been assisting transport companies in making public transport more attractive, reliable and more efficient for more than 40 years. Today, more than 1,100 transport providers rely on INIT's innovative hard- and software solutions.

The unique selling proposition of INIT's integrated telematics system MOBILE is that it comprises all of the daily tasks of public transport providers:

- Planning & Dispatching
- Ticketing & Fare Management
- Operations Control & Real-Time Passenger Information
- Analysing & Optimising

With INIT's integrated solutions, transport companies can master all requirements of electromobility and strengthen their role as mobility broker of their region by establishing a mobility platform. An excellent package of operational services completes the INIT offering.

## **For more information please contact:**

Andrea Mohr-Braun  
init SE  
Kaeppelestrasse 4-10  
76131 Karlsruhe - Germany  
Phone +49.721.6100.113  
[amohr-braun@initse.com](mailto:amohr-braun@initse.com)  
[www.initse.com](http://www.initse.com)

*We look forward to the publication of this release and request a sample copy.*