Transportation

Solution Ready Package

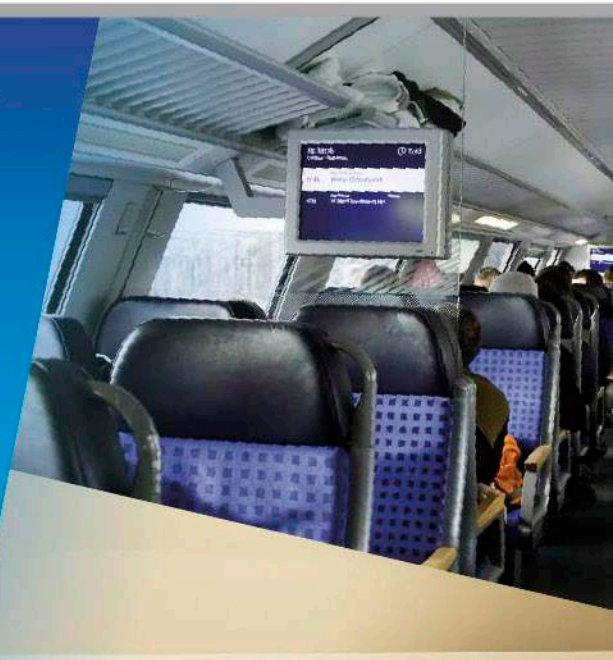
Transportation Integrated Solution

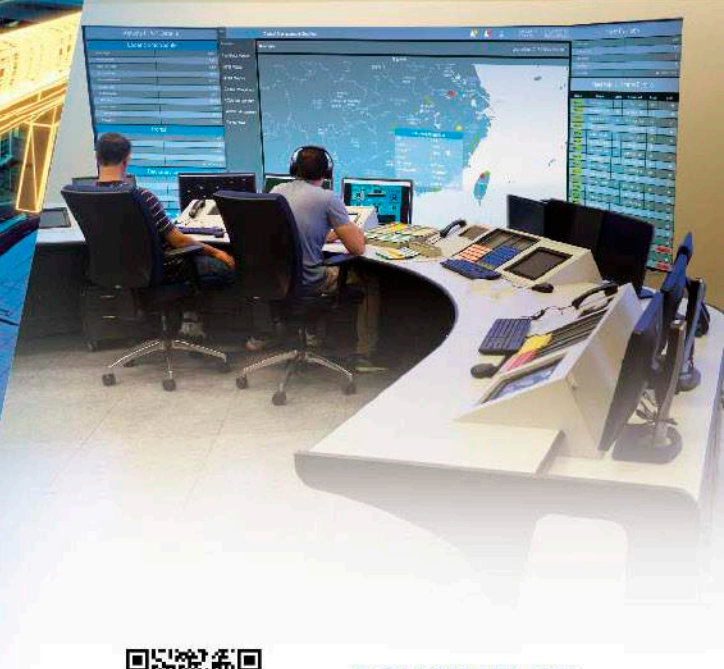
Fleet Connectivity, Passenger Information and Infotainment System for Transportation

IoT.SRP
Solution Ready Package

SRP-TIS000

- Internet connectivity with LTE-A modems and Wi-Fi on board as well as central management platform on cloud effectively manages whole fleet
- Real time journey information for all control screens and passengers own devices
- Rich multimedia content with interactive information about the journey





ADVANTECH
Enabling an Intelligent Planet

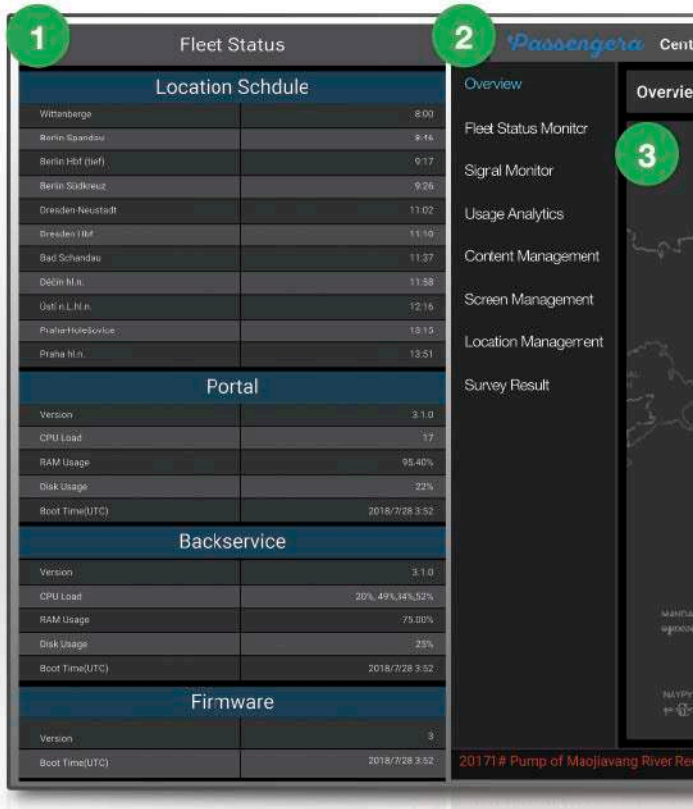
POWERED BY ADVANTECH WISE-PaaS

System Introduction

Advantech & Passengera intelligent solution integrates connectivity, passenger information system and infotainment platform together with Centralised Management hosted on WISE-PaaS industrial IoT cloud platform or private cloud platform.

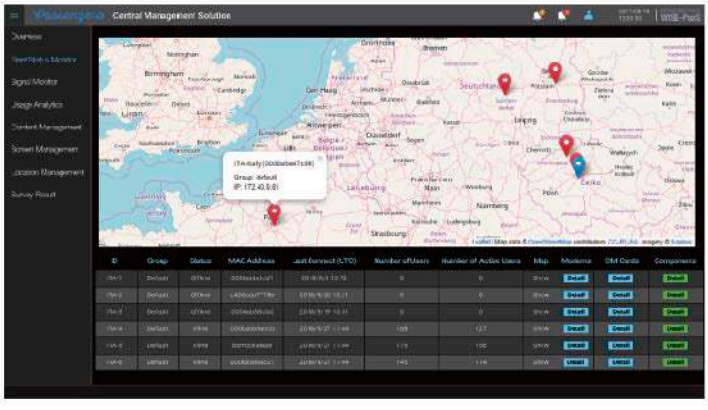
This solution-ready packages with central management provides fleet management, content management, vehicle networking statistics and usage analytics, and can be customized for operator's security policy and interest.

WISE-PaaS/Dashboard



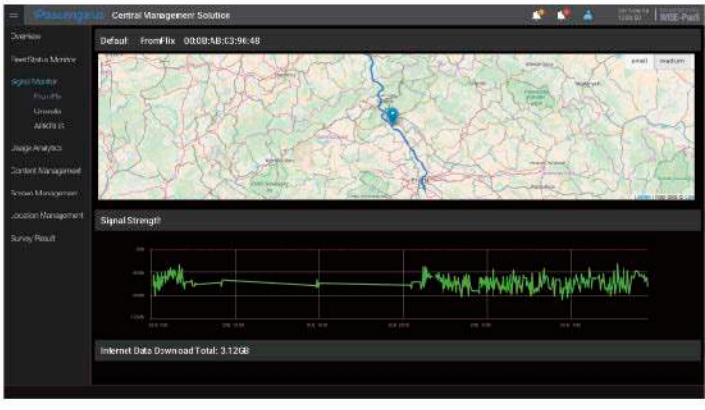
1 Vehicle Details

- Real-time modem & SIM card signal and status monitoring
- Real-time services status including of portal and back service



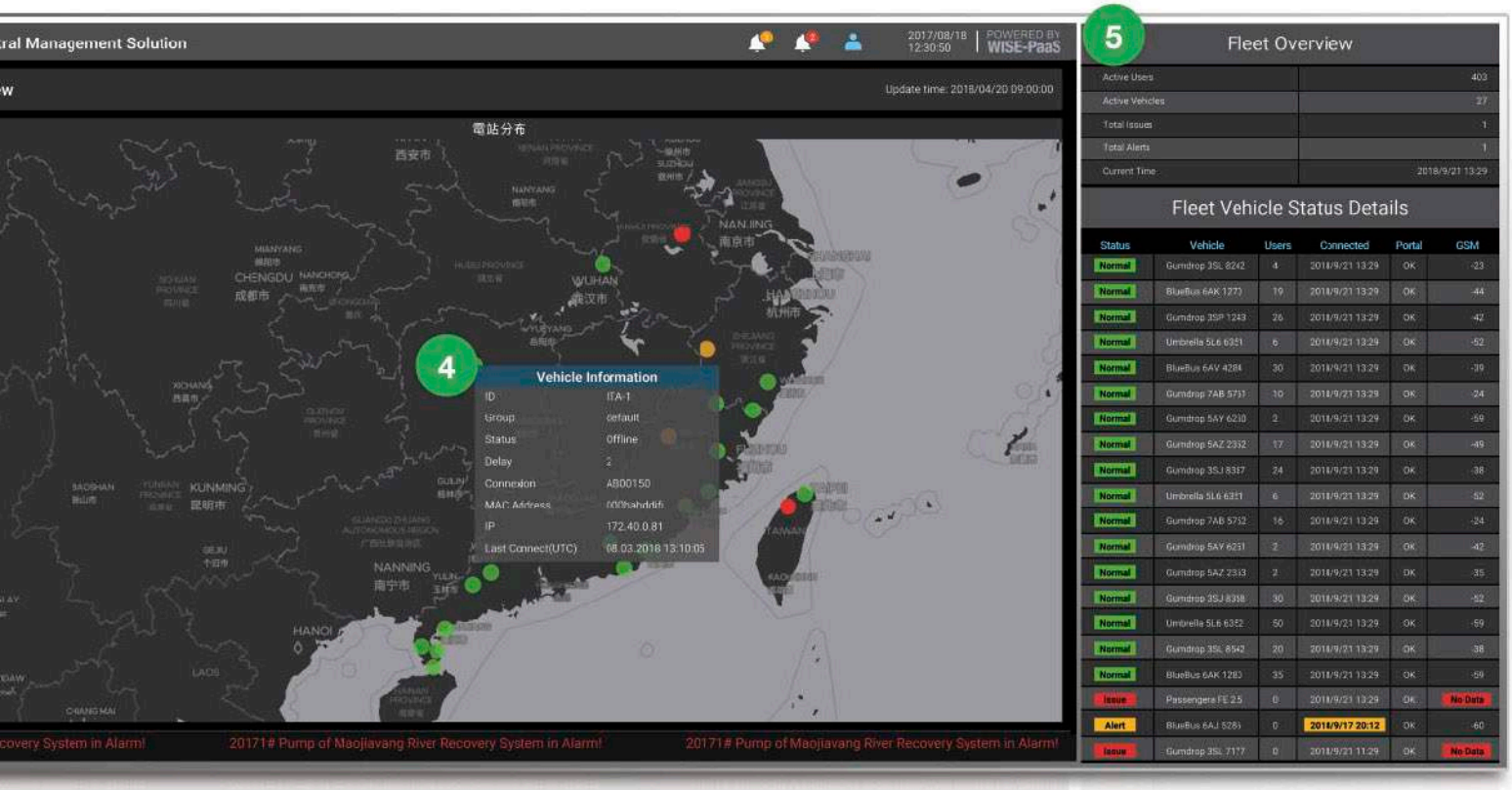
Vehicle Fleet Management

- Real time vehicle status and location monitoring
- Modem, SIM card and services status



Vehicle Tracking Details

- Vehicle positions history on the map
- Connectivity statistics for every GPS location
- Transmitted/received data statistics
- System monitoring



2 Central Management System Home Page

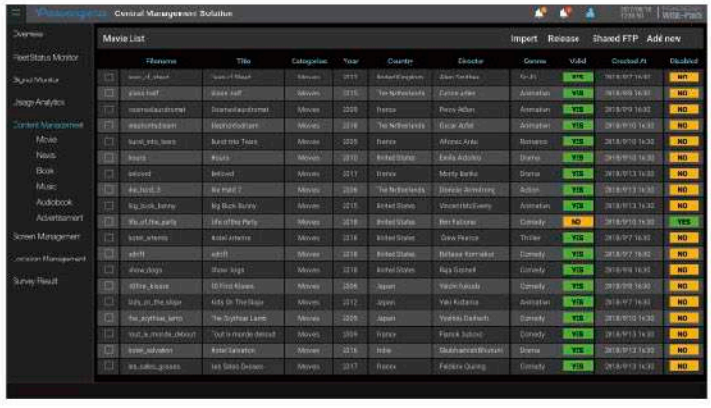
- Main menu for quick access to key dashboard functions
- Quick view of message notifications

3 Vehicles Geographical Distribution Map and Operation Status by Color

4 Overview of the Current Status of Individual Vehicle

5 Fleet Overview with Vehicle Details

- Geographical passenger usage
- Real-time active user and vehicles analytics



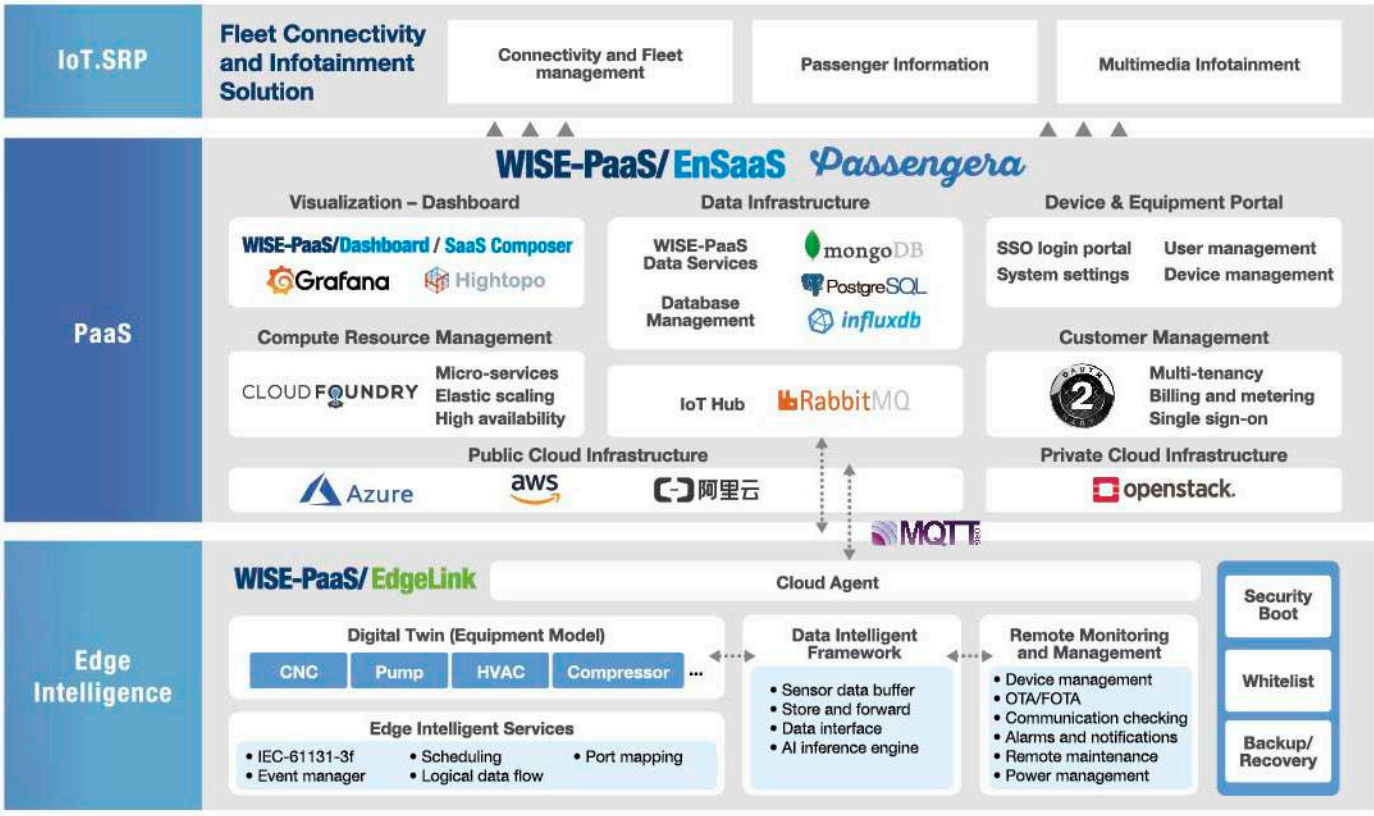
Usage Analytics

- Key parameters, such as number of sessions and users, user demographics data,trends and behavior.
- Content usage reports

Content Management

- Infotainment media such as movie, music, news, audiobook and advertisement.
- Manage content on Passenger Information screens, manage timetable and notifications, and create geo-based campaigns

Software Diagram



System Diagram

Feature Highlights

Modular and Variable All-In-One Solution

Hardware and software modularity allows to meet every customer needs and provides cost effective solution

Effective Central Management System

Cloud or on premises hosted centralized management platform, to effectively manage whole fleet remotely

Value-Added Passenger Infotainment System

Rich entertainment multimedia content with interactive information about the journey

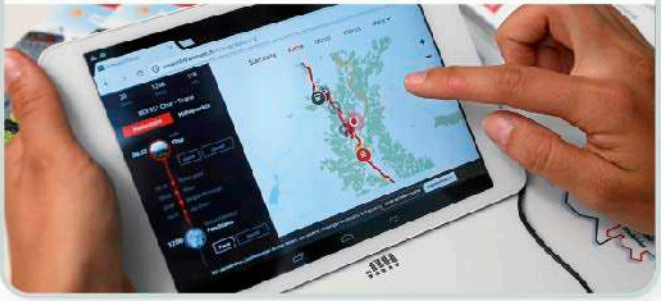
Fleet Connectivity

Multiple LTE-A modems with intelligent load balancing and premium Wi-Fi on board

Application Stories

Czech Railways, Czech Republic

This solution for train coaches includes internet connectivity over LTE-A and high speed Wi-Fi, on-board PIS and infotainment system to show real time route related information and advertisement. Czech Railways now has a new communication channel for passengers and more business opportunities.



Umbrella Coach & Buses, Deutschland

European long-distance bus operator, Umbrella provides their passengers onboard Wi-Fi , real time route information and multimedia infotainment. The central management platform from solution enables an easy and overall management for fleet connectivity, position statistics and multimedia contents.

Rhaetian Railway, Switzerland

High mountain rail operator running 2 rail express lines and some bus connecting lines. Central infotainment platform over multiple train and bus services provides passengers with real time travel and touristic information about the region.
Rhaetian Railway develops targeted promotions, opt-in rates, and deeper customer engagement and satisfaction through passenger demographic.

Inca Rail, Peru

Inca Rail railway takes travelers to famous Machu Picchu. During the journey, travelers can listen to audio guides on Points of Interest(POIs) from Cusco to Machu Picchu . Books, music, movies and online souvenirs shop are also available on board.
Through this solution, travelers can enjoy interactive travel content with free Internet access on their own devices.

Ordering Information

Solution Package

WISE-PaaS Situation Room SRP-SR-100-BTO	LCD Wall: 1 x 86" + 2 x 55" Server and Display: 1 x DS-980 Control Panel: 1 x UTC-520 1 x WISE-PaaS/Signage CMS	
WISE-PaaS VIP Membership 98DPWAP2K	WISE Point: 2,000 points	WISE-PaaS IoT Edge Intelligence

SRP-TIS-810 Central Management System	HPC-7483 X1 Central Management Server Passengera Cloud Management Software License	
SRP-TIS-501 Railway Onboard System	ITA-5831 X1 EN 50155 Onboard Server Passengera Connectivity Software License	
SRP-TIS-502 Railway Onboard System	ITA-5831 X1 EN 50155 Onboard Server Passengera Passenger Information Software License	
SRP-TIS-503 Railway Onboard System	ITA-5831 X1 EN 50155 Onboard Server Passengera Passenger Infotainment Software License	
SRP-TIS-201 In-Vehicle Onboard System	ARK-2151V x 1 In-Vehicle Onboard Server Passengera Connectivity Software License	
SRP-TIS-202 In-Vehicle Onboard System	ARK-2151V x 1 In-Vehicle Onboard Server Passengera Passenger Information Software License	
SRP-TIS-203 In-Vehicle Onboard System	ARK-2151V x 1 In-Vehicle Onboard Server Passengera Passenger Infotainment Software License	

Optional Purchase

IoT.SENSE Training	Basic training Advanced training	2 days 1 day
IoT.SENSE Consulting	IoT Solution and On-Site Technical Support	3 days

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Advantech Headquarters
No. 1, Alley 20, Lane 26, Rueiguang Road, Neihu District, Taipei, Taiwan 11491
Tel: 886-2-2792-7818 Fax: 886-2-2794-7301
www.advantech.com

US/Canada: 1-888-576-9668
Europe: 00800-2426-8080/8081
Netherlands: 31-40-267-7000
China: 800-810-0345
Taiwan: 0800-777-111
Japan: 0800-500-1055
Korea: 080-363-9494
Other countries: 0800-777-111

www.advantech.com.tw/contact