

AVANCEON

Tomorrow's solutions, today.



SMART TRANSPORTATION SOLUTIONS

EMPOWERING CITIES, ENRICHING LIVES.

About Us



Avanceon is a leading system integrator for Industrial Automation & Control Systems (IACS). Avanceon in particular specializes in Industrial knowledge management. We help our customers build models combining industrial business and geo-spatial information to achieve a single version of truth across their entire operations through various perspectives. We provide complete life cycle services including design, engineering, deployment and after care. We have a strong market footprint through its offices in Dubai, United Arab Emirates, covering the Middle East, Lahore, Pakistan, covering South East Asia, and North America.

Avanceon has been in business since 1984 and has transformed into a 365 degree solution provider of choice for IACS customers including major blue chip companies . A certified member of select group of Control System Integrators Association and is also listed on the Control Engineering Magazine's System Integrator Hall of Fame.





Revolutionizing Public Transportation

Avanceon specializes in crafting customized technological solutions that offer centralized management for a wide range of services within both public and private transport networks. Our expertise lies in seamlessly integrating various systems and solutions to optimize overall efficiency.





Access Control & Intrusion Detection

Providing operators with complete real-time coverage of the network and recording capabilities.



Passenger Information Systems

Enhancing the passenger journey by delivering up to the minute information via Passenger Information Displays (PIDs) and public channels.



Surveillance & Video Incident Detection

Enhance transportation security with advanced video analytics, detecting incidents in real-time. Our surveillance solutions ensure rapid response & comprehensive monitoring for a safer travel experience.



Emergency Security Systems

Avanceon's emergency shutdown ensures swift response, protecting transportation systems with rapid intervention for safety and security.

Monitoring & Control



Avanceon offers monitoring and control for all systems, both at the station and across the entire line.



Communication Systems



We provide communication solutions to ensure the necessary connectivity for a transportation network.



Cybersecurity

Securing the network against advanced persistent threats and hacking.



Wireless Network

Ensuring onboard connectivity by establishing a link between rolling stock and the main network.



Fiber Optic Backbone Network

We establish a backbone network using Ethernet or MPLS-TP, supporting centralized applications and tools for efficient operations management.



Tunnel & Open Road Management Solutions

Navigating tunnels with seamless ease and paving the open road to efficiency, our management solutions redefine the journey ahead.



Automatic Emergency Response Solutions

Standing guard with swift decisiveness, our Automatic Emergency Response solutions ensure safety effortlessly a click, not just a blink.



Traffic Incident Detection & Management

Orchestrating order from detection to direction: Our Traffic Incident Detection & Management solutions keep roads flowing smoothly.



Air Quality Monitoring

Safeguarding environments breath by breath, our Air Quality Monitoring brings clarity to the invisible, offering real-time insights into the air we share.



Public Safety & Communication

Amplifying the voice of protection, our Public Safety and Communication solutions connect communities through a shield of safety, fostering a secure and informed society.



Traffic Tunnels Solutions

Navigating progress through 60+ Traffic Tunnels, our expertise runs deep, illuminating the path for seamless and efficient journeys.



Traffic Signal Optimization

With precision, our Traffic Signal Optimization orchestrates green waves, redefining the rhythm of the streets minimizing delays and maximizing flow.

Railroad Machinery Monitoring



Online monitoring of fuel consumption by operation mode



Online monitoring of fuel volume, fill-ups and draining



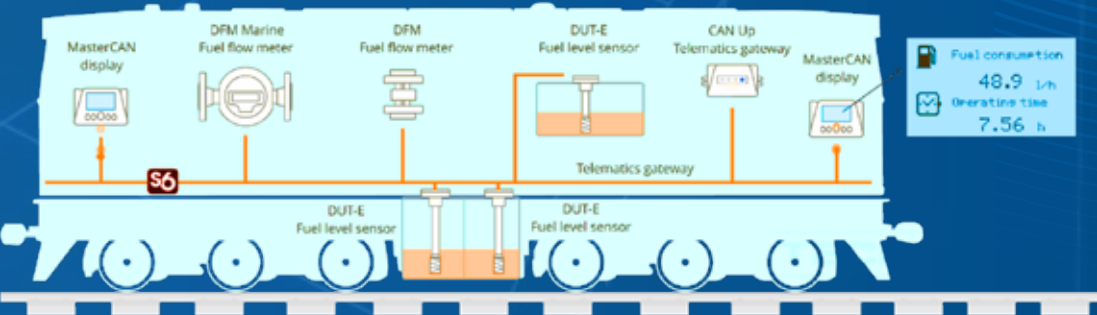
Fuel theft prevention from fuel line and tank



Monitoring for engine hours by operation mode



Engine failure detection



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