

pulse by solutions

AI-powered solutions



pulse by solutions AI-powered solutions

As a leading digital enabler and system integrator in the MEA region, pulse by solutions offers a number of AI-powered solutions for Smart Cities, Telecom and Smart Grids. pulse by solutions employs AI with a focus on enhancing:

- Automation
- Efficiencies
- Monitoring & Forecasting
- Smart Decision Making
- Predictive Maintenance

our use cases

smart cities

video analytics

- Traffic Applications: License Recognition, Vehicle Counting & Classification
- Access Control & Safety Applications: Face Recognition, People Counting, Motion Detection, Incident Detection, Smoke Detection

autonomous drones

With up to 25 minutes of flying time and a range of 5 kilometers, traffic operators can use drones for traffic and road surveillance; in addition to extracting data and statistics to apply educated traffic controls and safety measures.

air pollution prediction

An air pollution solution that delivers precise predictions for multiple data sources:

- Satellite Remote Sensing
- Fixed & Mobile Stations
- Low Cost IoT Sensing Devices
- Traffic Activity
- Factories Activities Measures
- Fire Events

energy forecasting

A state-of-the-art solution that employs AI to deliver forecasts of energy consumption and bills, in addition to performing energy scoring for factories and buildings.

telecom

invoices digitization

A smart solution usually used with Interconnect Billing to automate the settlement process between transaction parties. The solution supports multiple languages and can automatically detect forms and fill out values.

chatbot

Your ultimate digital relationship manager. Chatbots can assist with a number of functions including: the provision of user assistance and product and services details, lead generation, service upgrade and supporting of tickets. Chatbots can be integrated with Text-to-Speech (TTS) and Automatic Speech Recognition (ASR).

robotic process automation

A new emerging technology for Business Process Automation, which utilizes software robots to effectively automate activities and efficiently fulfill the most repetitive and mass performed operations' processes, saving time for agents to handle more creative and complex tasks.

smart grids

optical recognition of asset data & status

- A solution that handles data and status of smart grid assets such as electricity towers, street lighting and electricity generators. Combined with augmented reality, the solution can load 3D models and history of the different grid assets.
- Solution also includes Digital Recognition of Meter Readings supported by a mobile app to scan and send readings.