

Analytics

Hong Kong

Motor Analytics for Efficient Plant Operation

Customer requirements

- Monitor the health of a plant equipment
- Predict the next fault event for improved productivity and asset availability

Siemens solution

- IoT sensors to collect machine operation data
- Analyze sensor data with AI to predict failure for preventive maintenance or equipment replacement

Customer benefits

- Maximize the use of plant equipment
- Improve productivity and reduce cost of failure
- Enable remote monitoring of assets



Logistics



Industry



Mobility



Public

Hong Kong

Wellness Building Solution

Customer requirements

- Enhance the wellness of buildings
- Reduce air and light pollution as well as achieve tenant expectation and certification requirement

Siemens solution

- MindSphere or On-premises Service for data analytics
- Smart Building Welling Dashboard for handsfree management

Customer benefits

- LEED and WELL double certification in caring human health and environment
- Better brand image and employer branding of an enterprise



Office



Hospitality



Apartment



Public

Hong Kong

Plant Operation Energy Optimization

Customer requirements

- Maximize energy efficiency for plant operation

Siemens solution

- Using artificial intelligence to predict loading and identify optimal setting
- Plant recommendations are tailored to customer's system

Customer benefits

- Cost savings on electricity
- Powerful decision support for facility manager from static rule-based system to dynamic tuning
- Self-learning AI model to keep recommendations up-to-date



Office



Hospitality



Industry



Healthcare

Hong Kong

Multi-functional Smart Lamppost

Customer requirements

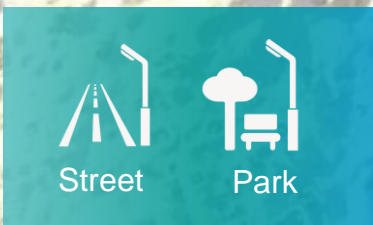
- Adjustable brightness to the intensity of people and vehicles
- Environmental monitoring

Siemens solution

- Smart Lamppost equipped with LED lighting & built-in battery
- A hybrid system for solar power and wind power
- Add-on modules : 4G/5g Repeater, Air quality sensor, location detector, waterproof advertising, broadcasting speaker, E-bike charging, emergency comm, autonomous vehicle sensors

Customer benefits

- Drive towards carbon neutrality
- Enable smart parking autonomous intersection
- Add value on crowd control and connected campus



Hong Kong

Smart Office

Customer requirements

- Closed room booking system
- Instant updates of tenant request to FM
- Energy Optimization esp. during off hours
- HVAC response for user comfort

Siemens solution

- Either Public Cloud or On-premise as backbone
- Mobile App On-the-Go for smart lighting, smart room booking, smart plug, easy authorization and seamless payment

Customer benefits

- Cost saving on lighting and HVAC
- Better user comfort to increase employee productivity
- Maximize space utilization



Office



Hospitality



Apartment



Healthcare



Hong Kong

Electric Vehicles Charging Management System

Customer requirements

- Foster the development of eMobility in megacities
- Optimize energy use and facilitate road payment in one system

Siemens solution

- MindSphere as backbone to integrate and analyze data from home charging, public charging and corporate charging
- Load management to avoid overloading of charging
- One-stop solution including web portal and apps for drivers

Customer benefits

- Engage various stakeholders with user friendly interface
- Enhance energy efficiency
- Save cost and efforts through behavior prediction



Hong Kong

Web Portal Based Customer Service

Customer requirements

- Improve responsiveness and customer experience online
- Enhance cost efficiency and accuracy of customer services
- Implement web-based database

Siemens solution

- Create a centralized information hub for service call creation and single platform communication
- Build up database with real-time updates
- Compatible with mobile devices through Apps

Customer benefits

- Standardize information flow with All-in-one data base
- Enhance customer satisfaction
- Portable device to facilitate operations

Hong Kong

Asset Tracking and People Location Services

Customer requirements

- Tracking on critical assets and key personnel
- Prevent access to restricted area

Siemens solution

- User-friendly mobile apps / dashboard to track real-time movement of people and assets
- Asset tags and personnel badges for tracing and access control

Customer benefits

- Visibility into real-time location of all critical assets
- Efficient people locating for urgency
- High security to avoid trespassing



Office



Hospitality



Logistics



Public



Hong Kong

Video Based Cargo Loading Inspection System

Customer requirements

- Enhance the efficiency of cargo measurement
- Maximize space usage with occupancy prediction
- Forklift traffic and safety concern to be taken into account

Siemens solution

- Image captured from camera to be processed and integrated with system
- Predict parcels size and cargo vacancy with AI and deep learning

Customer benefits

- Automated measurement
- Systematic Tracking
- Space utilization
- Enhance EHS
- Optimize staff resource deployment



Industry

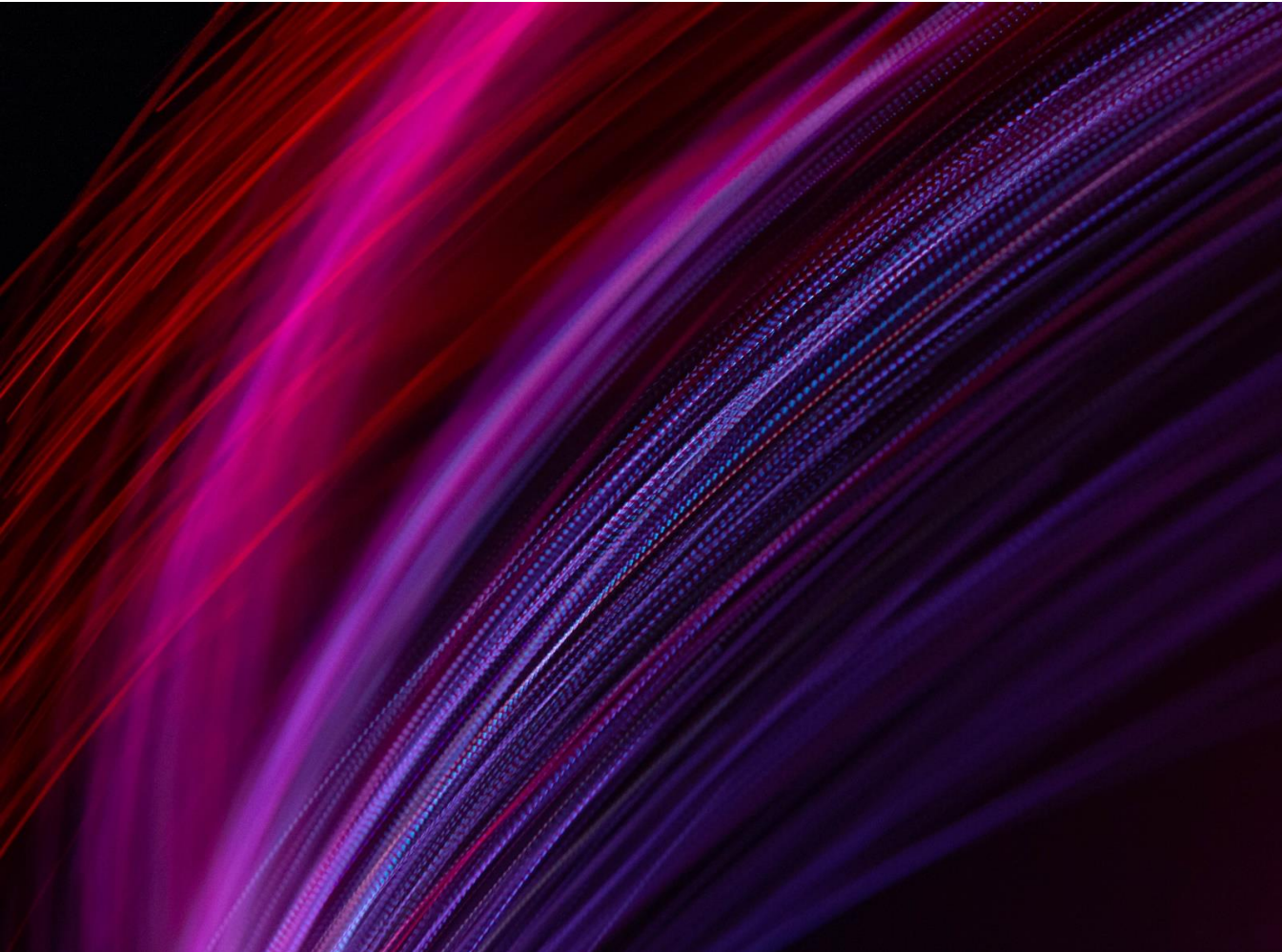


Logistics



Airport

Contact



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