



ETEK

Think Beyond Automation

ETEK Company - Brief

Last Modified: Jan 2018

About ETEK

- Registered on 2013 as a free Zone company in UAE - Dubai, Dubai Silicon Oasis.
- Presences in UAE and supporting whole GCC.
- Our experience is more than 25 years in Industrial Automation and Assets Performance.
- We deliver a comprehensive range of industrial software platforms that include SCADA/HMI technology software, enterprise mobility, manufacturing operations and performance management (MES) and business engine development platform.
- We provides pre sales support, consultancy services, on-site and offsite training and technical support.



Vision, Mission & Values

- **Vision:** To be the preferred and most trusted provider of IoT and process industry automation technologies to clients in GCC and Levant area.
- **Mission:** To provide high quality technologies and solutions, training and technical support for our valued SIs and end users.
- **Values**
 - Teamwork
 - Excellence
 - Integrity
 - Dedication
 - Innovative



Our Services

Our service teams are versatile in the way they operate and offer flexibility to ensure your specific needs are met. Dedicated to operational excellence and efficiency, we constantly review and improve service levels to guarantee our clients' investments.



Our Services

- Some of our solutions but not limited to below

- **Industrial Automation**

- Telemetry / SCADA / IIoT
- Irrigation Solutions

- **Industrial IT Solutions**





- Assets Optimization & Maintenance
- Round Checks - ODR
- Mobile Solutions

- **Smart Building Automation**

- Smart Building Lighting Control
- HVAC Monitoring & Control Systems
- Car Park Guidance Solutions
- Building Energy Management
- Access & Intrusion System
- Surveillance & CCTV





Solutions

→ Environmental Monitoring & Facility Management

	<p>Water & Wastewater Treatment</p> <p>Water & wastewater treatment plants consist of treatment pools, mixers, pH control pools, and precipitation pools, requiring different process functions and equipment. By providing Open Embedded Controllers, integrated with SCADA SW, we'll be able to deliver complex process capabilities and quality control.</p>
	<p>Pipeline Monitoring</p> <p>Remote monitoring of pipeline pressure, temperature, flow and leakage is necessary and crucial. By providing a GPRS device servers, along with PLC Controller, serve as remote monitoring devices. With a SCADA SW installed in the central room to monitor values and assess pipeline operations.</p>
	<p>Pumping Station Monitoring & Control</p> <p>When controlling and maintaining many pump stations remotely, remote transaction is a key issue. Our offering will be consisting of GPRS devices, Wireless LAN, and fiber optic media which will be capable of providing reliable transaction inquiries, while a PLC standalone controller handles process applications.</p>
	<p>Disaster Prevention</p> <p>A real-time monitoring & control system would be proposed which will allow users to not only monitor I/O information from the field, but also provide video surveillance displays through Advantech's redundant X-ring topology to ensure reliable communications.</p>





Solutions

→ Building Automation & Energy Management

	Integrated Facility Management Systems Integrated Facility Management Systems enable facility managers to orchestrate various building automation systems within one or multiple facilities. Remote management capabilities help maximize energy efficiency for many applications, such as HVAC, lighting, and surveillance.
	HVAC System Management Reducing power usage of HVAC equipment is the most effective way to decrease costs as it is a major source of power consumption. Executing energy saving methods through employing cooling storage, improving cooling towers, and adopting secondary chilled water pumps is useful to optimize energy efficiency.
	Lighting Control Systems Lighting systems are secondary parts of power consumption. By implementing automated lighting control systems and day lighting schemes as well as offering environmentally friendly lighting is very important for facility managers.
	Video Surveillance Systems Video surveillance systems play an increasingly important role in the security of building automation. They offer secure environments and protect assets for multiple buildings by continuously improving the images which are monitored, analyzed, and archived to enhance effectiveness.





Solutions

→ Intelligent Transportation System (Smart City)

	Railway Stations The rapid acceptance of Ethernet-based networking in railway infrastructures is providing many subtle benefits to traveler's worldwide. Train station applications cover fire alarm systems (FAS), automatic fare collections (AFC), passenger information systems (PIS), and control room.
	Onboard Train and Rolling Stock Today's train information systems are the key communication link between transportation operators and the traveling public. Onboard train applications cover driver control, passenger information systems (PIS), in-seat video entertainment systems, and IP surveillance.
	Freeway Management and Information Display Freeway management programs support and promote the use of integrated and coordinated systems to provide proactive freeway management that improves the safety efficiency and reliability of travel on freeways and highways worldwide.
	Electronic Payment Electronic payment systems are very public and the major key is in providing reliable collection systems. Advantech's solution is targeted at simplifying payment for customers and helping reduce congestion at the exits to parking facilities and toll booths.

Solutions

→ Power & Energy Management

	Power Generation We provide reliable and high performance components to help customers develop more efficient power backup solutions, nuclear simulation system and a generator monitoring system and more.
	Power Distribution Our Substation Automation Solutions provide robust IEC 61850-3/IEEE 1613 compliant devices and components, computing platforms, protocol gateways and networking switches to ensure interoperability and interconnection between substations and power systems.
	Renewable Energy With harsh environment factors, such as drastic day-night temperature differences, dust/sand storms, vibration, heat and electrical noise, we provide rugged, reliable and real-time communication, monitoring, tracking, testing and DAQ control solutions for renewable energy applications.
	Electric Car Charging Stations Advantech's touchscreen controlled industrial computer systems, serial modules, switches and data acquisition modules serve as system components for data acquisition and transmission among separate EV/PHEV charging posts, with precise monitoring and control.

Project References

SN.	Project Name	End User	Objective	Date
01	Storm Water Pumping Station	Al Ain Municipality	SCADA Remote Monitoring and Control System is required to improve and upgrade the operation, maintenance of storm water networks and pumping stations in order to prevent city from the heavy rain or flood.	07/2014 – 07/2015
02	Water Reservoir Management System	Al Ain Municipality	Manage the water flow of reservoir including in/out flow monitoring, water flow consumption, peak usage, over flow alarms, and other parameters in an efficient way which will used for beneficial purposes of municipal and industrial water supply.	03/2015 – 08/2015
03	Water Distribution Pumping Station	Abu Dhabi Company for Onshore Petroleum Operations Ltd (ADCO)	A turnkey wireless solution required in order to dispatch signal from remote side to the central control room in a very efficient and effective way.	06/2015 – 10/2015
04	Smart Gate Barrier	Al Ain Municipality	The requirement was to create a cost effective Smart Road SCADA system in order to control the Gate barriers automatically, allowing only registered vehicles to enter the school area.	10/2014 – 06/2015

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05	Communication Via gateway	RTA Metro Dubai	The client required a turnkey solution which would be able to act as bridge between the local PLC and the existing HMI as there are some 3rd parties utilities which the client need to run behind this bridge gateway.	02/2016 – 08/2016
06	Toilet Monitoring & Control	Dubai Airport	The client required a solution which would be able to monitor the different types of sensors and Alarms which are considerably important in the Airport management system	2016 - 2017
07	Fault Detection System for Substation	Dubai Electricity and Water Authority (DEWA)	Real-time view of all feeder conditions	02/2016 – 08/2016
08	Bio – Environment System	Biologix FZCO	A very effective and an efficient solution required in order to control and monitoring the environmental parameters such as temperature and humidity which will directly affect the quality of the cold chain products.	08/2013 – 08/2014

Our Partners

