

Advantech WebAccess

The IIoT Application Platform

- ✓ WebAccess+ Alliance
- ✓ I-IIoT Software Framework
- ✓ WebAccess/Cloud
- ✓ WebAccess/SCADA
- ✓ WebAccess/HMI
- ✓ WebAccess/CNC
- ✓ Application Story



WebAccess

ADVANTECH

Enabling an Intelligent Planet

www.advantech.com

Advantech WebAccess+ IoT Solution Alliance - Enabling Your Business Success

Advantech's WebAccess+ IoT Solution Alliance is a market-oriented cooperation model based on WebAccess, the industrial IoT software framework as its core – to link solutions, partners' strengths and strategic co-marketing to get into focused vertical markets, including water, oil & gas, intelligent buildings, factory automation, and renewable energy. It aims to offer complete IoT solutions for a wide array of markets and applications, also achieving win-win partnerships in the blooming IoT industries.

WebAccess+ Alliance Program Highlights

Collaborative Partnership

Advantech invites system integrator partners to join the WebAccess+ Alliance for partnership:

- 1) WebAccess+ alliance partner
- 2) WebAccess Solution Center (WSC) partner
- 3) Eco-system partner



IIoT Software Platform

Advantech WebAccess is more than just HMI and SCADA software. As the core of Advantech's IIoT software framework, it offers a unified platform with unlimited potential for IIoT applications.



Training and Support

A full range of Advantech WebAccess training courses and certification program is offered at different levels so that partners can choose the level of involvement that suits technical needs.



SRP & WSC

The WSC provides a high level of expertise delivering technical support, project consultancy and SRP value to partners' solutions. Partners are invited to co-develop SRP and co-invest regional WSC.



Sharing Economy

Remarkable connections have been formed to help partners benefit range from project referral to account mapping to sales lead generation, leading to business growth.



Co-marketing and Co-PR

Partners will be invited to attend Advantech's WebAccess+ World Partner Conference (WPC) and get professional marketing supports for co-exhibition, co-forum, co-webinar and co-PR.



Cloud-based IoT Software Platform

WebAccess provides open interfaces to connect with Microsoft Azure and IBM Bluemix cloud platform and work with partners for device cloud, visual device tool and big data analysis.



Domain-focused Solution Ready Package

To provide fast and suitable product solutions to vertical markets, WebAccess+ has three available solutions:

- 1) WebAccess software
- 2) WebAccess+ bundled products
- 3) Vertical market-oriented Solution Ready Package (SRP)



Way to IoT Solutions

Business

Solutions

Partners



Community Networking

Partners are invited to participate in WebAccess+ activities and marketing events as well as receive the Alliance's email communications and monthly e-newsletters.



Online Visibility

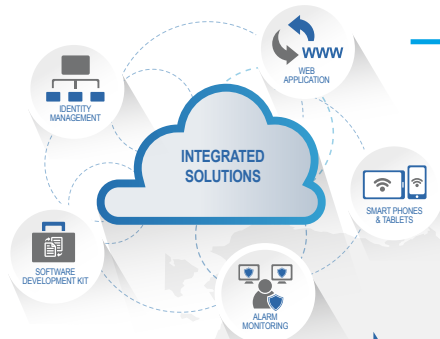
The posting of partners' company logo, profile and application cases at the WebAccess+ Alliance website and the distribution of press release are granted upon participation in the Alliance.



WISE Points

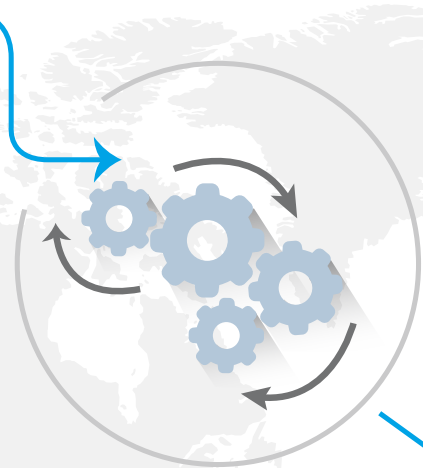
Advantech's online store with a variety of WebAccess+ IoT software and services is offered to simplify the procurement process by using WISE Points, Advantech's virtual token to redeem software.

WebAccess+ Alliance Partnership Values



Develop Integrated Solutions

Advantech's IIoT application platform enables partners to develop scalable and interoperable solutions at the lowest possible cost.



Shorten Project Life Cycle

Reducing the life cycle time in IIoT projects and SRPs helps partners shorten the project schedule and lower project costs.

Gain Competitive Advantages

Co-developing vertical market-oriented solutions that leverages Advantech's resource gives partners an edge over the competition.



Enhance Technical Expertise

WebAccess advanced training and technical support offered by WebAccess Solution Center (WSC) gives partners a vital head start in technical expertise.



Advantech WebAccess+ IoT Software Suite

WebAccess/SCADA	WebAccess/HMI	WebAccess/IVS	WebAccess/NMS
<p>Smart HMI/SCADA</p> <ul style="list-style-type: none"> • 100% Web-based • Easily Connect to IoT Devices • Cross Browser HTML5 Dashboard 	<p>HMI Software</p> <ul style="list-style-type: none"> • PLC Drivers Support • Easily Integrate Protocols • Friendly Development Interface 	<p>Intelligent Video</p> <ul style="list-style-type: none"> • Intelligent Video Platform • Intelligent Video Analytics • Modularized SDK Ready 	<p>Network Management</p> <ul style="list-style-type: none"> • 100% HTML5 Web-based • Device Connectivity Management • Integration of Network Topology

Boost Profits and Revenue

Project referrals and cost-effective software packages offered by Advantech help partners maximize profits and increase revenue.



Gain Co-marketing Benefits

Advantech's co-marketing support allows partners to minimize marketing cost for maximum marketing reach, market penetration and branding awareness.



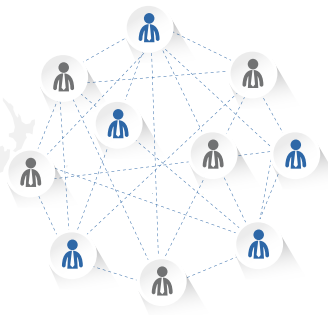
Enable Cross-region Business

With partners' domain knowledge and SI capacity plus Advantech's global sales network, the business model can be easily duplicated to boost cross-region business.



Extend Business Networking and Coverage

Community networking allows partners to cooperate with IIoT industry leaders, seize Industry 4.0 business opportunities, and extend global business coverage.



WebAccess/IMM

Interactive Multimedia

- Server-Client Architecture
- Multi-screen Display
- Edit and Dispatch Programs

WISE-PaaS/RMM

Remote Monitoring and Management

- Centralized Management
- High Availability
- Sensor/Device Connectivity

WISE-PaaS/Security

Security Management

- Vulnerability Manager
- ePolicy Orchestrator
- Global Threat Intelligence

Evolving from HMI/SCADA Software to I-IoT Software Platform

The trend of Internet of Things (IoT) and the technology eco-system surrounding it, has indicated a huge business opportunities towards year 2025. With more investment on developing integrated IoT applications and cloud services, it is realized that software has become the most important key factor to success in the IoT era.

Advantech WebAccess, as the core of Advantech's IoT solutions, has also become not only a HMI (Human-Machine Interface) and SCADA (Supervisory Control And Data Acquisition) software solution, but also an IoT software platform to provide a gateway to cloud software solution to eco-partners and system integrators for IoT and cloud applications.

With Advantech WebAccess, a full browser-based IoT application software, users can monitor and control their projects simply through a web browser. For the device layer of IoT, Advantech WebAccess supports ample protocols and drivers to connect to more than 450 controllers and devices which make Advantech WebAccess flexible and suitable for all I-IoT applications and projects. WebAccess also provides the foundation of IoT data collection and management with its open architecture and open interfaces so which are helpful for developing different vertical applications.

To migrate Advantech WebAccess to fulfill the I-IoT and Industrial 4.0 services' needs, a variety of cloud specific features are developed on WebAccess Cloud software aim to provide easy of connecting to devices, plug and play device configuration, cloud-based Dashboard, big data connectivity, and so on to enable big data analysis and predictive maintenance for I-IoT and Industrial 4.0 services.

Enabling Industry 4.0 with Integrated Automation & Cloud Innovations





Advantech WebAccess/Cloud - Cloud-based Application Platform

Advantech WebAccess is dedicated to offer the comprehensive solutions to meet our customers' needs. In addition to the sustainable development of project based monitoring and control application software, WebAccess is also committed to develop the service based cloud application platform. WebAccess provides various types of services such as data communication, data synchronization, data visualization, IoT administration, and multi-project maintenance in the cloud architecture. WebAccess/Cloud can support the following functionalities:

- Data communication**
 In WebAccess/Cloud, large amounts device data are uploaded to the cloud via the MQTT web socket protocol. The MQTT web socket protocol also supports the local and cloud devices to communicate back and forth.
- Data synchronization**
 To advance our goal of being customer-centered, WebAccess/Cloud provides a data synchronization service called "Plug and play". Plug and play are designed to synchronize the data configuration between local and cloud devices.
- Data visualization**
 Using the WebAccess Dashboard, the cloud projects' tag values can be displayed to users in real-time with dynamically updated graphics.
- IoT administration**
 WebAccess Node-RED provides the visual tool for managing the Internet of Things. It is convenient for user to maintain or process the WebAccess cloud project by wiring the function node together.
- Multi-project maintenance**
 To speed up customers' project maintenance time and reduce managerial resources. Multiple projects can execute the maintenance concurrently in WebAccess.

Features Highlight



MQTT over WebSocket

Easy connect with intelligent device to cloud platform via MQTT, a lightweight publish/subscribe messaging protocol.



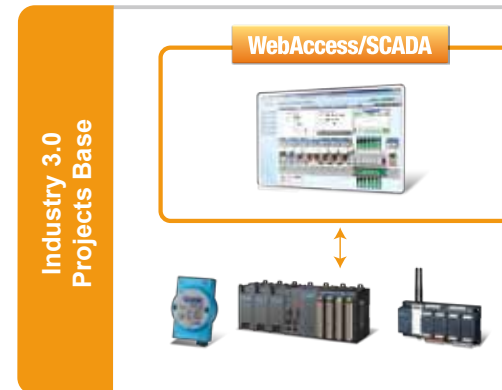
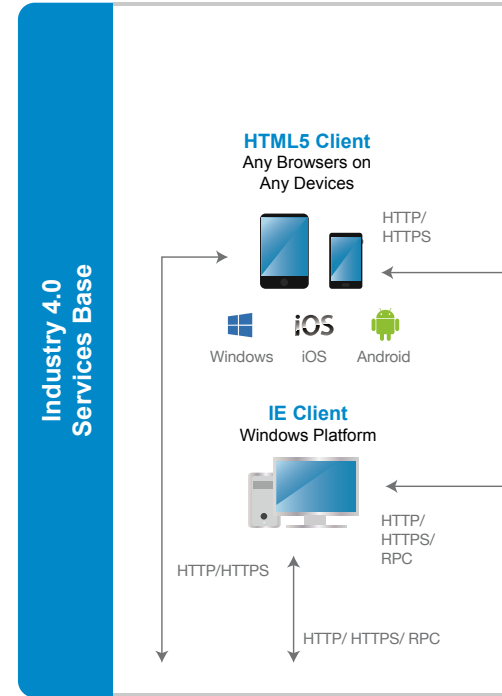
Plug and Play

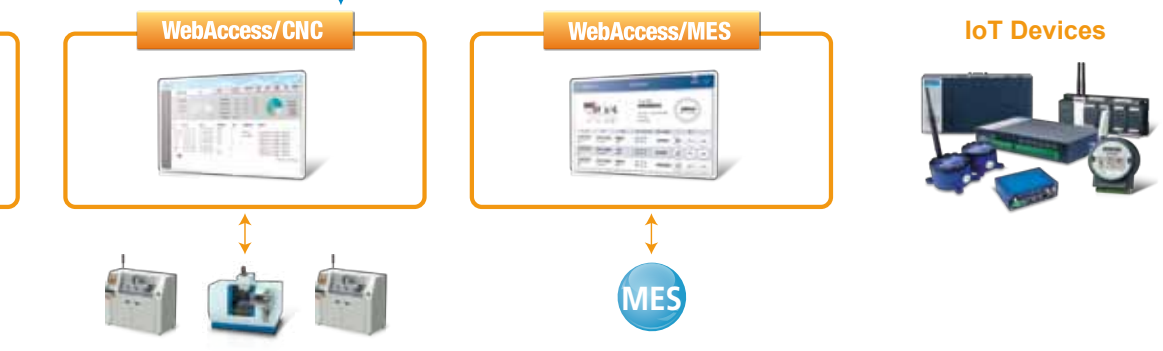
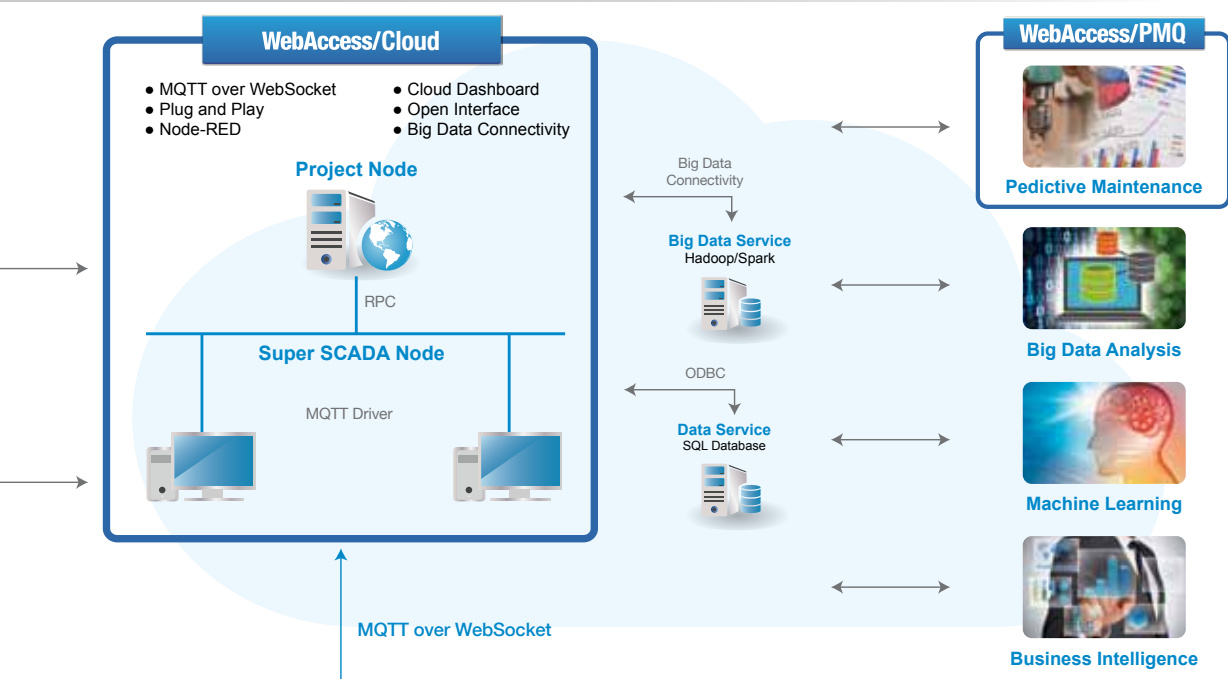
Automatically backup and restore the configure files from local device, user can online replace device and no need to download.



Node-RED

Integration with Node-RED as a visual tool for IoT to write together devices, APIs and online services together.





Cloud Dashboard

Predefined nodes for data to be displayed on cloud dashboard and Microsoft Power BI.



Open Interface

Combining with cloud service, such as big data analysis, business intelligence, machine learning and predictive maintenance.



Big Data Connectivity

Supports big database and provides big data to cloud service to do data analysis that develop vertical applications.

Advantech WebAccess/SCADA - IoT Application Software Framework

Advantech WebAccess is a 100% web-based SCADA (Supervisory Control And Data Acquisition) software and it acts as an IIoT Platform providing open interfaces for partners to develop IoT applications for different vertical markets.

In addition to traditional SCADA functions, WebAccess has an intelligent dashboard, to provide users with cross-platform, cross-browser data analysis and user interface using HTML5 technology. As well as the built-in widgets, WebAccess 8.1 also provides Widget Builder to allow customers to build their own.

WebAccess/SCADA Advantages

- 100% web-based engineering, monitoring and control
- Cross browser HTML5 Intelligent Dashboard
- Supports ample drivers including Advantech I/O modules, controllers and major PLCs
- Easy integration with MES & ERP, via open interfaces
- Integration with WebAccess/IVS, WebAccess/NMS and WISE- PaaS/RMM
- Google Maps and GPS location tracking integration
- Redundant SCADA Nodes, ports and devices for high availability
- Provides I/O sensor & CNC monitoring and control

WISE-PaaS/RMM
WebAccess/IMM



100% Web-based



Networking
Capability



Alarm
Management

Focused Solutions



Intelligent Buildings

Acting as a cross-area energy & facilities monitoring and controlling software to improve overall remote building management efficiency.



Power & Energy

Providing a software and hardware integration solution for new energy power generation integrated monitoring systems

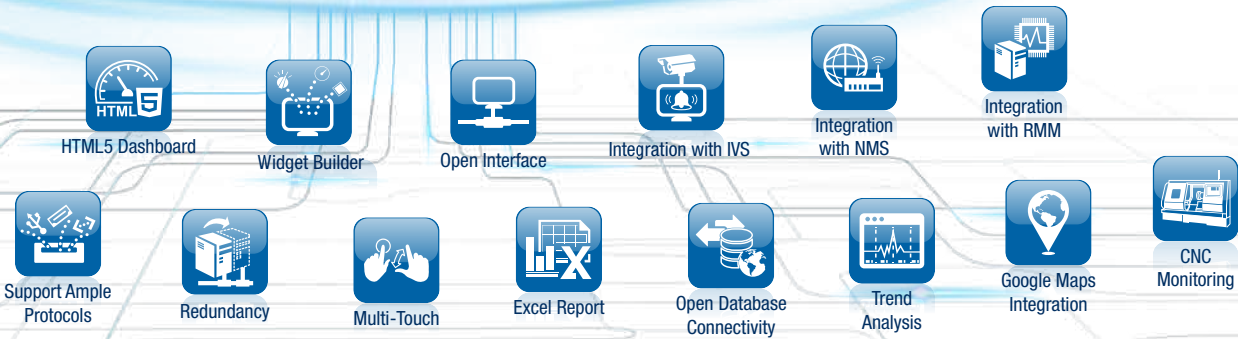


Oil & Gas

Collecting and managing data transferred from RTUs to create an analysis tool and to monitor the operating status of oil wells and devices in the field.



WebAccess/SCADA



Factory Automation

Monitoring operating status automatically and collecting data from whole factory facilities so as to reduce downtime and to minimize maintenance costs and production losses.



Water

Comprehensive water SCADA system realizing a remote real-time monitoring system within the whole life cycle from water conversation to water treatment.



CNC Manufacturing

Providing the CNC solution that monitor major CNC controller and remote I/O device simultaneously to collect and analyze shop floor productivity.

Advantech WebAccess/HMI - HMI Runtime Development Software

WebAccess/HMI Designer is powerful yet intuitive software to create total solutions for HMI (Human Machine Interface) products. WebAccess/HMI Designer is proven in many application fields and is an easily integrated development tool. The features include solution-oriented screen objects, high-end vector graphics, Windows fonts for multi-language applications, a data logger and operation logging. WebAccess/HMI Designer also provides online/offline simulation and other utility programs such as Data Transfer Helper (DTH), recipe editor and text editor.

WebAccess/HMI Runtime, a part of WebAccess/HMI, guarantees reliability and performance of open platform because of the minimum system overhead, high communication data rates, sub-second screen switching, and 24/7 operation. Our fast response software team adds new functions, communication drivers and solutions to the software all the time to meet dynamic needs.

WebAccess/HMI Advantages

- Low cost Windows based HMI runtime
- Rich screen objects can fulfill almost all types of HMI operating and viewing needs for machine automation
- Supports up to 16 communication links for different applications
- Over 100 field proven communication drivers are provided for free
- Supports data collection, alarm monitoring, recipe handling, and operation logging
- Provides a complete set of useful macro commands



Features Highlight



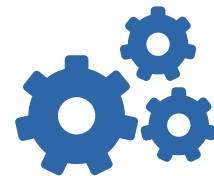
Smart Screen Management

- Shows the screen numbers and their names of an application in a traditional text list or a thumbnail list.
- Select screens from the list to edit, cut, copy, delete or export them.
- Creating new screens and importing screens can be done through a pop-up menu.



Efficient Project-based Structure to Manage Multiple Applications

- The project tree provides all you need to manage a project.
- Global settings and resources sharable to all applications in a project.
- Make the most out of existing projects by importing / exporting functions for all kinds of settings.



Software Functions to Meet Various Machine Needs

- 4 communication links with the option to add more RS-485 and TCP/IP.
- 1 startup macro, 1 main macro, 4 event macros, 4 time macros, no limitation on other kinds of macros
- 16 discrete alarms, analog alarm, recipe block and data loggers.

WebAccess/HMI



65536 Alarms Can be Defined

Data Collection

No Limitation Internal Points

VB Script
Visual Basic Script

VNC
Virtual Network Computing

Over 50s Screen Objects

Supports 16 Communication links

128 Communication links Set up



Friendly Tools to Make Customized Designs Easier and Efficient

- Real-time WYSIWYG allows you to see the change of object appearance at any time.
- Property dialogs with semi-transparent features will not block your view to screen objects anymore.



Reduce Time and Effort to Boost Performance through Simulations

- Offline simulation function can help to experience your design result even before decide to purchase this model.
- Evaluate the communication performance using online simulation before installation.



Secure Intellectual Properties

- Project files, global macros, and password tables can be protected by different passwords.
- Copying and uploading of an application can be prohibited in advance.

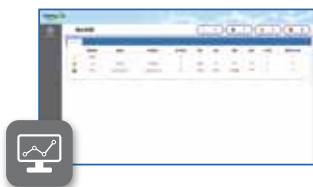
Advantech WebAccess/CNC - CNC Machine Monitoring Solution

Advantech WebAccess/CNC is the core solution for network CNC devices. Based on the 100% web based WebAccess/SCADA software structure, WebAccess/CNC provides major CNC networking functions and provides the advantages of SCADA software to the CNC market. Through the additional ability to monitor I/O devices, WebAccess/CNC brings the benefits of CNC information management and status visualization. Users can browse the SCADA web pages through Internet Explorer to monitor and capture real time CNC information and the production status. This improves efficiency by analyzing device availability.

Advantech WebAccess/CNC is CNC networking software designed specifically for the machine tool market. Through the integration of a large number of SCADA drivers, WebAccess/CNC supports the majority of CNC, I/O and PLC devices to collect factory equipment information and develop the industrial networking applications.



Features Highlight



CNC Overview
Provides real time information of the connection status, operation mode, CNC status, alarm status and availability.



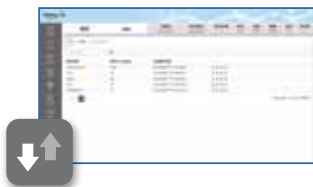
CNC Information
Provides the machine coordination information, operation information, G code and spindle information.



Availability
Provides details of CNC availability inquiries to handle production efficiency.



CNC Alarm
Provides historical alarms from CNC records that can be used as an important reference for the maintenance of machines.



NC Program management
Provides an upload and download function for NC files and the edit interface to program the NC files.



Set parameters
Provides a configuration interface to modify the coordinate compensation and tool.



Servo Spin
Provides real time monitoring of spindle loading to analyze tool wear or damage condition.



Maintenance
Maintenance configuration interface provides basic preventive maintenance functions and manufacturer contact information.

Fire Alarm and Remote Monitoring System

Introduction

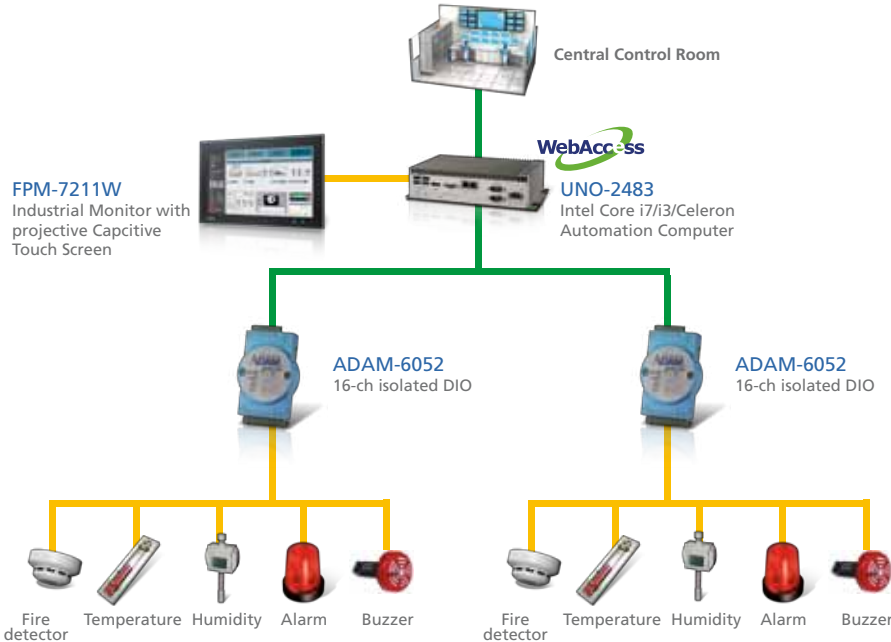
Fire alarm systems are very important when it comes to protecting property, personnel and stock in the event of fire. Uncontrolled, fire can obliterate an entire room's contents within a few minutes and completely burn out a building in a couple hours. If any people are in the building, smoke can overwhelm them quickly enough to kill them. Therefore it's essential that smoke and fire are detected quickly so the necessary evacuation processes can be carried out.



System Requirements

To prevent fire damage, the client needed a system that could give an early warning when it detected flames and smoke. Once that information is received it needed to be able to send the information to a controller and alarms and buzzers situated throughout the building. Since the building was split into zones, the information needed to be able to watch this data from a durable industrial monitor.

System Diagram



Product Solution

Advantech WebAccess
Browser-based HMI/SCADA Software



FPM-7211W
21.5" Full HD Industrial Monitor



UNO-2473G
Intel® Core™ i7/ i3/ Celeron/ Atom™



ADAM-6052
Smart Ethernet I/O Modules



Cold Chain Management



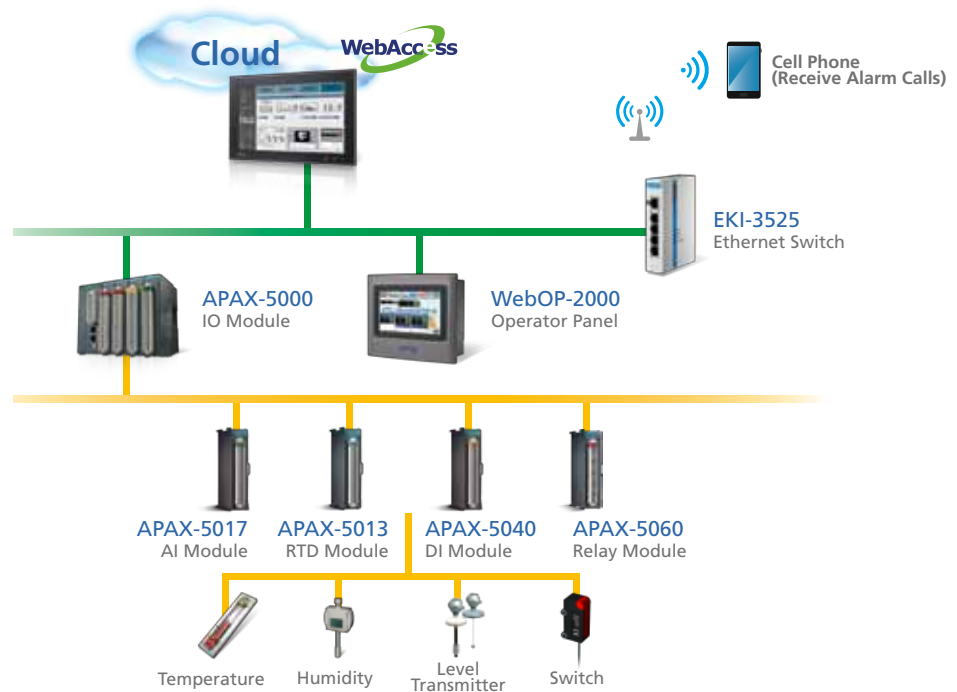
Introduction

One of the challenges within the pharmaceutical industry is cold chain management i.e. keeping products, which are not heat stable, at constant temperatures from the time of manufacture until use. Health workers at all levels are often responsible for maintaining the cold chain while vaccines are stored in provincial and county stores, or while they are being transported, and while they are being used during immunization sessions or rounds. With increasing frequency it is becoming the logistician's responsibility to manage the cold chain as a part of the supply chain and as such they must be trained to both use and manage these materials.

System Requirements

The main objective of the system was to control and monitor environmental parameters such as temperature and humidity which will directly affect the quality of the cold chain products. For this system there are two specific areas which need to be monitored: the cold chain, this is a network of refrigerators, cold stores, freezers and cold boxes organized and maintained so that vaccines are kept at the right temperature to remain potent during vaccine transportation, storage and distribution from factory to the point of use; and temperature control, which ensures that specific temperatures are maintained for particularly volatile vaccines which can be damaged by temperatures above 48°C. To avoid damage to the vaccines, staff must know how temperatures are monitored and understand how to interpret temperature readings.

System Diagram



Product Solution

Advantech WebAccess
Browser-based HMI/SCADA Software



EKI-5000
Viewable Unmanaged Switch



APAX-5580
Embedded Control PC



WebOP-3070T
7" WVGA Cortex™-A8 Operator Panel





Fire Alarm Remote Monitoring System in Shoe Factory

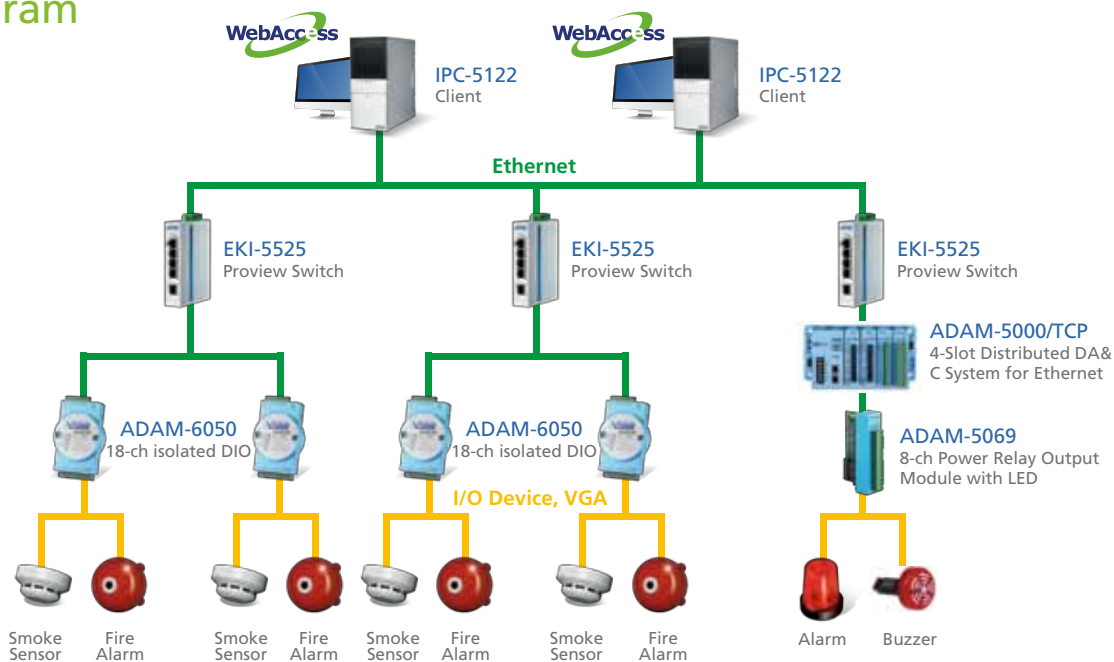
Introduction

Fire alarm systems are essential in providing an early warning in the event of fire, and can help save lives and protect property whilst also fulfilling the needs of insurance companies and government departments. Fire alarm systems typically consist of several inter-linked components, such as smoke detectors, heat detectors, carbon monoxide, manual call points, sounders, alarms and buzzers. The fire alarm system should give immediate information in order to prevent the fire spreading and protect lives and property. To get the maximum protection a shoe company in Indonesia proposed a fire alarm system to monitor 13 production sites spread over 160 hectares.

System Requirements

Although the factory had an existing fire alarm system, it could not be monitored remotely. It was essential that the new system would be able to be monitored from a central control room. The user also needed a system which could be implemented without changing the architecture of the existing fire alarm system. The proposed system needed to be able to be connected to the existing smoke detector and manual call point. The information should be able to easily collect and pass to Supervisory Control and Data Acquisition (SCADA) system. The system should can be monitored remotely and has several features such as alarm management, auto reporting, connected to many client computers without additional cost, and run 24/7 without failure.

System Diagram



Product Solution

Advantech WebAccess
Browser-based HMI/SCADA Software



EKI-5000
Viewable Unmanaged Switch



ADAM-6050
Smart Ethernet I/O Modules



ADAM-5000/ECAT
4-slot Distributed High Speed I/O System for EtherCAT



Substation Interface IEC-61850 Gateway Interface Tools



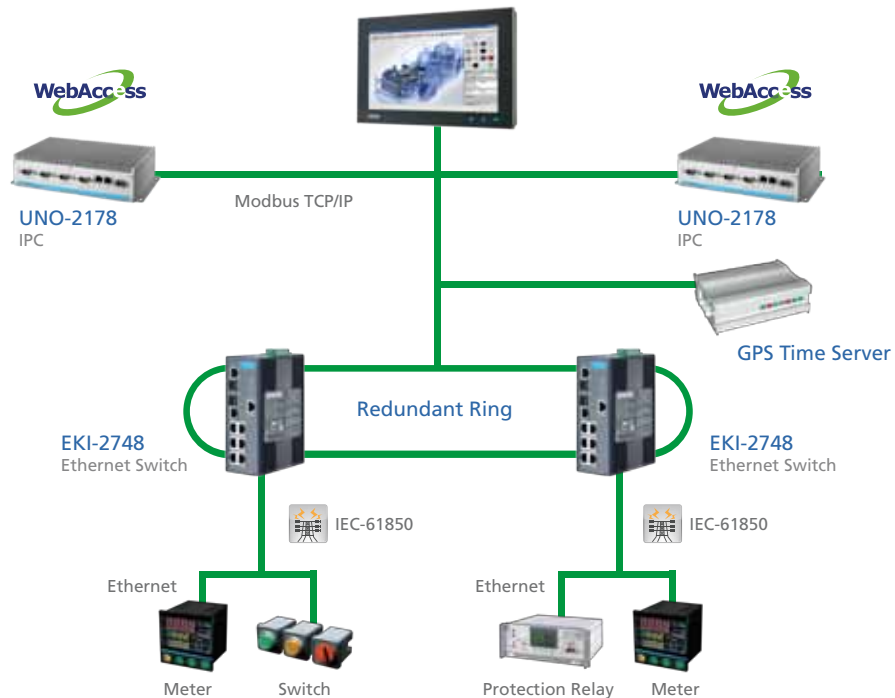
Introduction

Smart substations are increasing in their popularity and as more system integrators are winning bids to update outdated substations Advantech is helping to meet their needs with a range of Industrial PCs designed specifically for them. IEC-61850 is the specific standard for smart substations and defines the Ethernet protocol to be used for data communication and defines how devices in the substation communicate with each other. IEC-61850-3 devices need to meet electromagnetic Interference (EMI), temperature, and shock/vibration resistance requirements.

System Requirements

Legacy substation automation protocols and architectures provided basic functionality for power system automation and were designed to accommodate the technical limitations of the available networking technology. Recently, with the improvement in networking technology, what can be done has changed dramatically, advanced communications techniques are used to address data management and simplify the integration of applications. For this project, the main requirements were: the ability to explore IEC 61850 SCL files; act as the MMS Client and connect to 100s of IEDs; simulate 100s of IEC 61850 MMS Servers; monitor & troubleshoot IEC 61850 Data; create normal & abnormal system network conditions; measure the performance of IEC 61850 Networks or IEDs, and record and export test results to Microsoft Excel.

System Diagram



Product Solution

Advantech WebAccess
Browser-based HMI/SCADA Software



UNO-2483G
Embedded Automation PC



EKI-7710E/G-2C
Managed Ethernet Switch



Pneumatic Energy Saving & Efficiency System

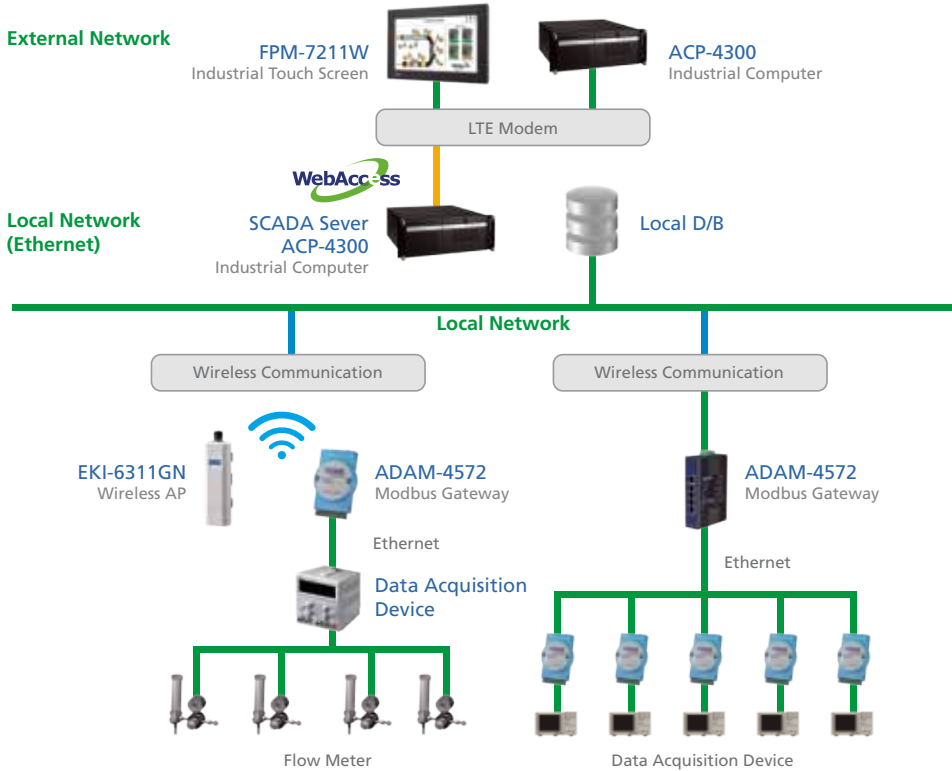
Introduction

Industrial forging is a manufacturing process involving the shaping of metal using localized compressive forces. The blows are delivered with a hammer or a die. In a hot forge the metal is heated and used to manufacture parts weighing from less than a kilogram to hundreds of metric tons. In an industrial forge, air compressors consume about 60% of the total electricity in the factory. By introducing a pneumatic energy saving system an awful lot of this electricity can be reduced once installed this new system needs to be properly maintained to ensure that it reduces production costs.

System Requirements

It was essential that the efficiency of the air compressor would be monitored at all times for its air flow and electricity consumption, and control the demand and supply of compressed air amount through analysis of producing pattern to minimize the waste of energy. These requirements would be met by monitoring the flow meter, watt-hour meter, pressure sensor, thermos hygrometer, LTE modem through a database.

System Diagram



Product Solution

Advantech WebAccess
Browser-based HMI/SCADA
Software



FPM-7211W
21.5" Full HD Industrial Monitor



EKI-6332GN
Wireless AP



ADAM-6050
Smart Ethernet I/O Modules



Intelligent Building Automation System and Energy Saving Solution



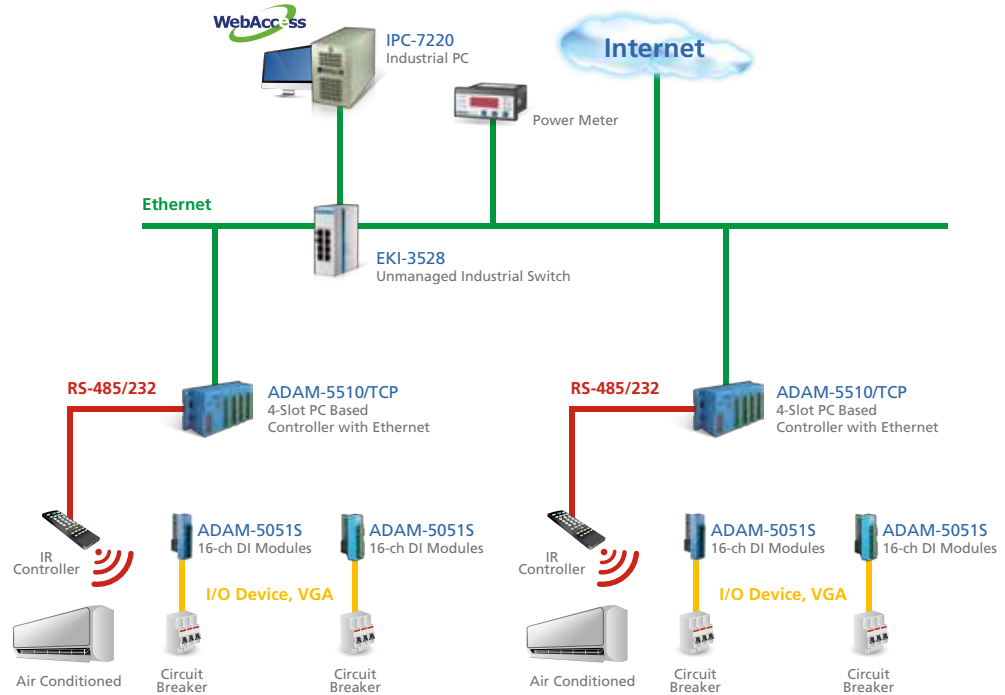
Introduction

One of the most difficult problems facing the world is conserving energy in buildings. However, it is not easy to have a cost-effective solution to reduce energy usage in a building. One solution for saving energy is to implement an intelligent Building Automation System (BAS) which can be controlled according to its schedule. In Indonesia a large university with a five floor building and 22 classrooms wanted to save the amount of energy being used.

System Requirements

The University of Indonesia has a class booking system which is used to force students and lecturers to use the classrooms effectively. Therefore, the proposed intelligent building automation system needed to be able to integrate with this system and update the schedule time automatically. The proposed system needed to use a SCADA system that could control the lights and air conditioners based on the scheduled system, and monitor the lights and ACs in real-time. Power consumption can also be measured using a power meter installed in the building and connected to the controller.

System Diagram



Product Solution

Advantech WebAccess
Browser-based HMI/SCADA Software



EKI-5000 Series
Viewable Unmanaged Switch



ADAM-5000/ECAT
4-slot Distributed High Speed I/O System for EtherCAT



ADAM-6050
Smart Ethernet I/O Modules



City Flood Control Systems get a Powerful IoT Solution

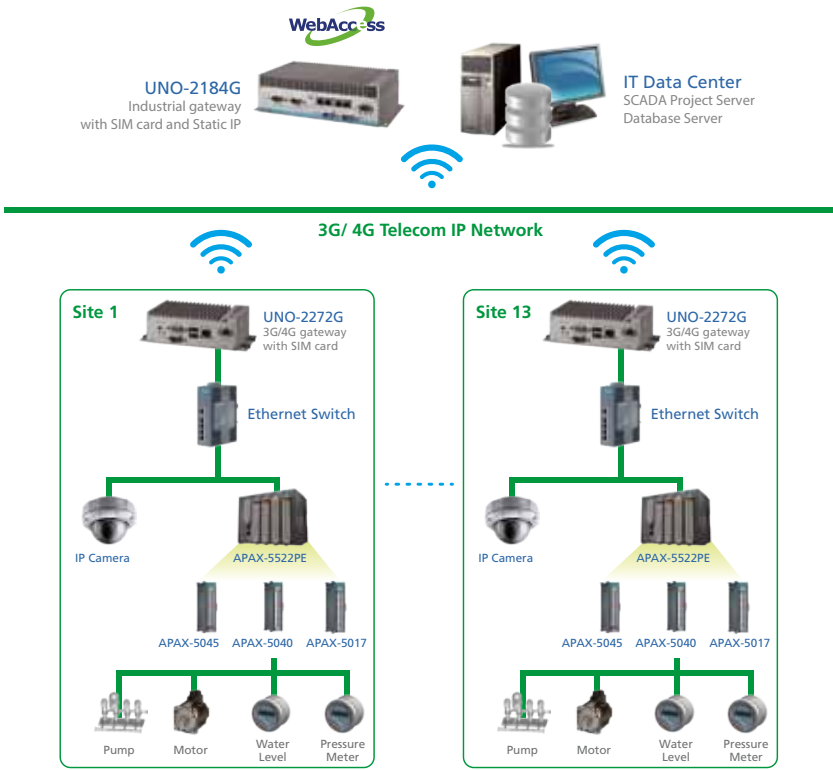
Introduction

City flood prevention is mainly to prevent the problems of heavy rain. The function of the pump station needs to be combined with the water forecasting system for scheduling the tasks. Even in dry arid countries in the Middle East, storm water management is an essential tool. The local authority in Al Ain, in the UAE started installing advanced storm water management systems in 2012.

System Requirements

Phase One's problems included the problem of too many integration points that made troubleshooting, maintenance and installation expensive and difficult to manage especially since it could only be carried out by from a single location. The lack of joined-up-thinking and coordination caused a problem of having too many licenses for administrators to manage and development was not user friendly. Phase Two of the project included 13 Storm Water Pumping Stations and at each of them they required controllers, Gateways with 3G/4G modems, SCADA Node Gateways with 3G/4G Modem. It was also essential that these 13 pumping stations could be managed centrally from a single Web based SCADA system via a 3G/4G data network that would include historical and current alarms, a detailed reporting system, a configurable dashboard, integration with third party CCTV systems.

System Diagram



Product Solution

Advantech WebAccess
Browser-based HMI/SCADA Software



UNO-2483G
Embedded Automation PC



EKI-6332GN
Wireless AP



ADAM-6052
Embedded Control IPC



Gasifier's Environmental Credentials are Greatly Improved through Enhanced Monitoring

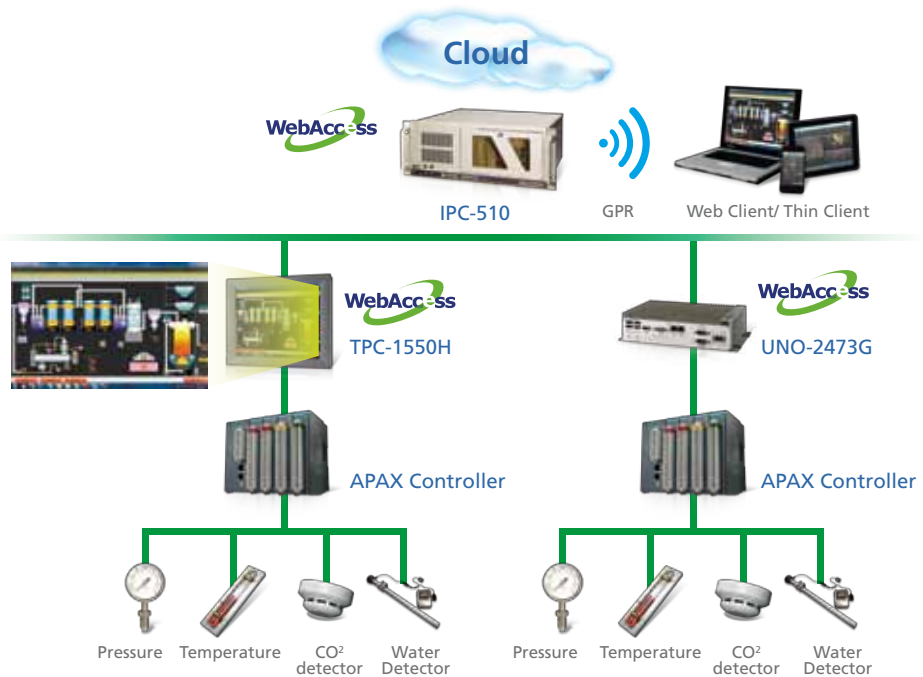
Introduction

Gas is a major requirement for controlling the temperature of furnaces, so our customer used a coal based Gasifier system. A fixed-bed or up draft gasifier uses a fixed bed of carbonaceous fuel through which the Gasification Agent flows in counter-current configuration. The ash is either removed in a dry condition or as slag. Slagging Gasifiers have a lower ratio of steam to carbon, achieving temperatures higher than the ash fusion temperature. The nature of the gasifier means that the fuel must have high mechanical strength and must ideally be non-caking so that it will form a permeable bed. But there are some drawbacks to this Gasifier system in that it generates byproducts like coal tar, waste water & carbon dioxide. Traditionally these systems are monitored manually using engineers and analog dials. This is imprecise and doesn't help with the detailed analysis of information that is now required by governments to meet their environmental commitments.

System Requirements

For this new project, Government guidelines required the customer to monitor all the parameters such as temperature, pressure, carbon dioxide content, tar, waste water flow on a SCADA & cloud system. The cloud system is used to enable engineers to be fully mobile and monitor the information from all of the devices from wherever they are. This is best done through a flexible HTML 5 design which enables analysis to be carried out on any modern mobile device such as tablet or mobile phone.

System Diagram



Product Solution

Advantech WebAccess
Browser-based HMI/SCADA Software



TPC-1551WP
15.6" WXGA TFT LED LCD
Intel® Atom™



UNO-2473G
Embedded Automation PC



APAX-5580
Embedded Control IPC



WebAccess/SCADA Software Specifications

Advantech WebAccess Professional	
Number of I/O Tags	75/150/300/600/1500/5000/20K/64K
Number of Internal Tags	75/150/300/600/1500/5000/20K/64K
Number of Extensible Tags	75/300/600/1500/5000
Number of Web Clients	1024

Dashboard	
Cross Browser and Platform	Yes
Built-in Widgets	Yes
Open Widget Interface	Yes
Widget Builder	Yes

Open Interface	
Windows APIs	Yes
RESTful API	Yes
SingalR	Yes

Open Connectivity	
Modbus Server	Yes
BACnet Server	Yes
ODBC and SQL Query	Yes
OPC DA/UA Server	Yes
DDE Server	Yes

Graphics	
Number of Graphic Pages	Unlimited (limited by H/D size)
Variables per Graphic Pages	4000
Tag Source	Global
Multi-touch Gesture	Yes

Web-enabled Integration	
Video	Yes
Google Maps and GPS Location Tracking	Yes

Advanced Function	
Super SCADA Architecture	Yes
SCADA Node Redundancy	Yes
Device Redundancy	Yes
Script language	TclScript/VBScript/Jsript
Supports IPv6	Yes
Excel Report	Yes
Recipes per Project	Unlimited (limited by H/D size)
Scheduler	Yes

WebAccess/HMI Software Specifications

One Design for all Models	
Item	Maximum
Number of Panel Applications	128
Number of Language	10
Number of Font Templates Per Language	20

The limitation of one panel application	
Item	Maximum
Number of Tags	9990
Number of Communication Links	4/16
Number of Screens	7999
Number of Discrete Alarm Blocks	64
Number of Recipe Block	64
Number of Data Loggers	65535
Number of Schedules	80

WebAccess/CNC Software Specifications

Advantech WebAccess/CNC		
Number of CNC Connections	5/10/20	
Supported CNC Controller	FANUC Controller	0i-A/B/C/D/F, 16i, 18i, 21i, 30i series
	MITSUBISHI Controller	M70, M700 series
	HEIDENHAIN Controller	iTNC 530
	SIEMENS Controller	840D
Number of Built-in I/O Tags	75	
Number of Extensible Tags	75/300/600/1500/5000	
Number of Extensible CNC Connections	5/10	

Online Resources

Free Trial, User Manuals and other resources visit : <http://webaccess.advantech.com>



WebAccess Website

Regional Service & Customization Centers

China

Kunshan
86-512-5777-5666

Taiwan

Taipei
886-2-2792-7818

Netherlands

Eindhoven
31-40-267-7000

Poland

Warsaw
0800-2426-8080

USA/ Canada

Milpitas, CA
1-408-519-3898

Worldwide Offices

Greater China

China

Toll Free 800-810-0345
Beijing 86-10-6298-4346
Shanghai 86-21-3632-1616
Shenzhen 86-755-8212-4222
Chengdu 86-28-8545-0198
Hong Kong 852-2720-5118

Taiwan

Toll Free 0800-777-111
Neihu 886-2-2792-7818
Xindian 886-2-2218-4567
Taichung 886-4-2329-0371
Kaohsiung 886-7-229-3600

Asia Pacific

Japan

Toll Free 0800-500-1055
Tokyo 81-3-6802-1021
Osaka 81-6-6267-1887
Nagoya 81-52-856-9657

Korea

Toll Free 080-363-9494
Seoul 82-2-3663-9494

Singapore

Singapore 65-6442-1000

Malaysia

Kuala Lumpur 60-3-7725-4188
Penang 60-4-537-9188

Thailand

Bangkok 66-2-248-3140

India

Bangalore 91-80-2545-0206
Pune 91-20-3948-2075

Indonesia

Jakarta 62-21-751-1939

Australia

Toll Free 1300-308-531
Melbourne 61-3-9797-0100
Sydney 61-2-9476-9300

Europe

Germany

Toll Free 00800-2426-8080/81
Munich 49-89-12599-0
Düsseldorf 49-2103-97-885-0

France

Paris 33-1-4119-4666

Italy

Milano 39-02-9544-961

Benelux & Nordics

Breda 31-76-523-3100

UK

Newcastle 44-0-191-262-4844
London 44-0-870-493-1433

Poland

Warsaw 48-22-31-51-100

Russia

Moscow 8-800-555-01-50
St. Petersburg 8-800-555-81-20

Czech Republi

Ústí nad Orlicí 420-465-521-020

Ireland

Oranmore 353-91-792444

Americas

North America

Toll Free 1-888-576-9668
Cincinnati 1-513-742-8895
Milpitas 1-408-519-3898
Irvine 1-949-420-2500
Ottawa 1-815-434-8731

Brazil

Toll Free 0800-770-5355
São Paulo 55-11-5592-5355

Mexico

Toll Free 1-800-467-2415
Mexico City 52-55-6275-2777

ADVANTECH

Enabling an Intelligent Planet

www.advantech.com

Please verify specifications before quoting. This guide is intended for reference purposes only. All product specifications are subject to change without notice.

No part of this publication may be reproduced in any form or by any means, electronic, photocopying, recording or otherwise, without prior written permission of the publisher.

All brand and product names are trademarks or registered trademarks of their respective companies.

© Advantech Co., Ltd. 2016



860000275