



# **Active Information Web Platform**

**SystemTALK )))**

**where system can say**

# Active Information Web Platform

## Overview

Web based visualize information becomes easier ever by using SystemTALK's solution. With Active Information Web Platform (AIWeb) it connects to various types of data source such as OPC server, database, data files using .NET technology. It turns process data to visualize information. With Internet Explorer, everyone can easily access information.

## Features

### Data sources

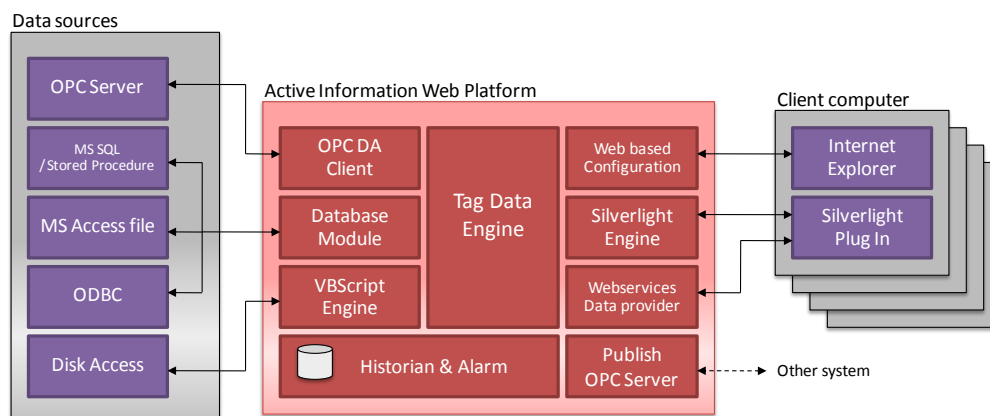
- Get process data from various sources such as OPC servers, databases and VBScript equations.
- Work as OPC DA client to read and write to OPC server data sources.
- Exchange data with MS SQL database, Stored Procedure, MS Access file, and ODBC.
- Define calculation value and access to files using VBScript language.

### Special Features

- Work as OPC server to provide data to other systems.
- Web based authorization management.
- Historical database for logging data.
- Alarm management.
- Powerful reporter using Excel template.

### Graphic Display

- Rich Internet Application (RIA) using Microsoft Silverlight technology
- Data and report using HTML5 with responsive design
- Real-time visualize information
- Online edit for graphic layout
- Exchange data with web server using webservises
- Included standard graphic library, eg. TextEdit, Label, Gauge, Level, Lamp, Button etc.
- Support video playback and true color images
- Support real-time charts and trends
- Included alarm management and historian data logger
- Support Thai and English languages



## Screenshot

### Productivity

Your factory productivities can be simply reported as table. Set up data can be written back to PLCs. Using product ID in PLCs to retrieve product name from master database.



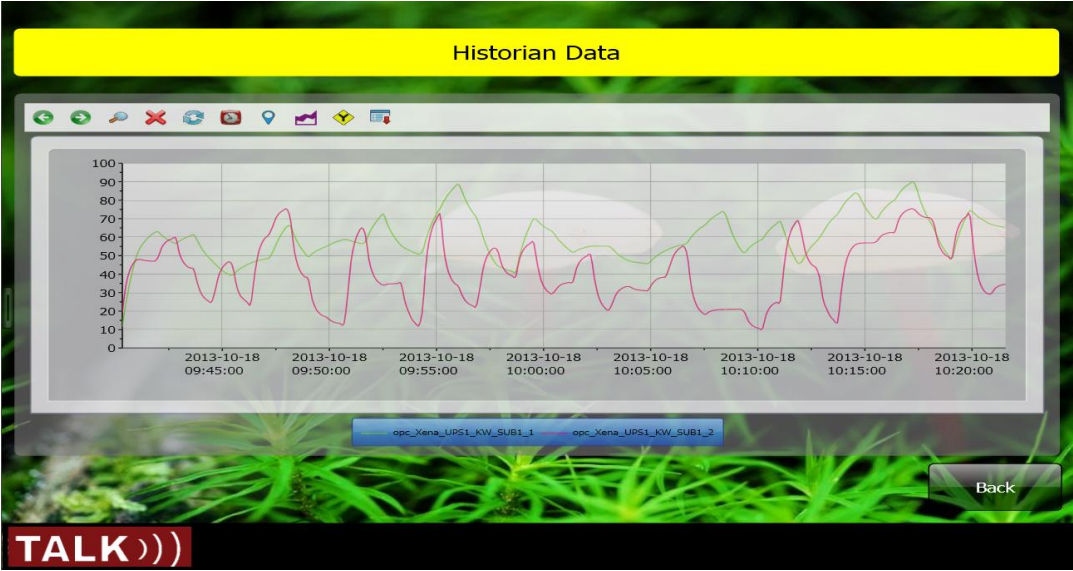
### Trend, Chart and Gauge

Many components such as trend, pie chart, gauges, level indicator are included



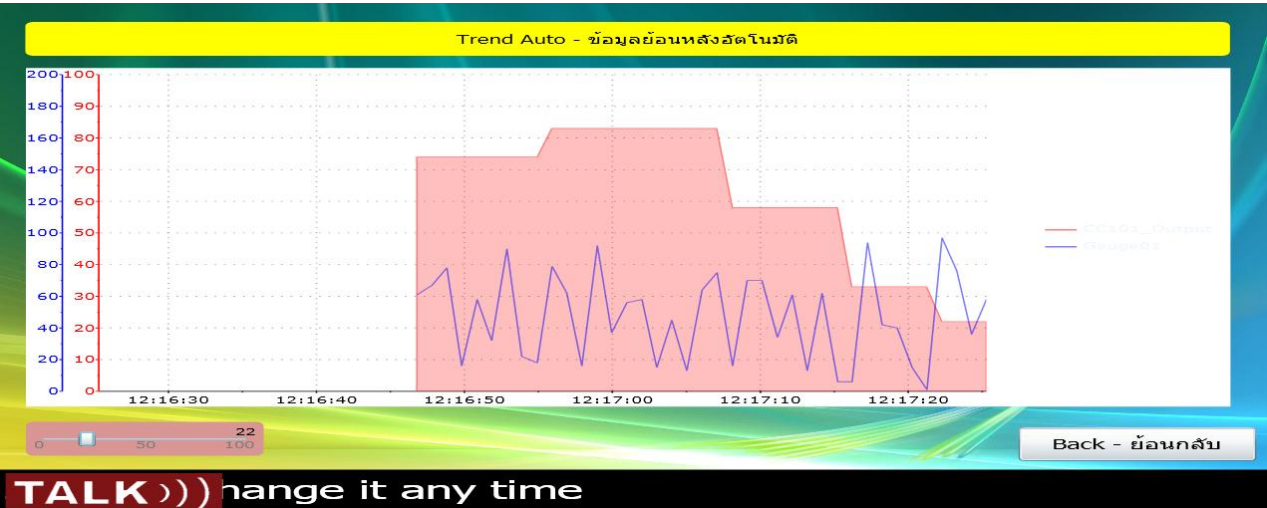
**Historian Data Logger**

Logging data can be chosen to record to MS SQL or MS Access files in just a few clicks. You can see what was going on in the past by the graphic historian component.



**Automatic Trend**

Simple data trend can be added to graphic screen. No data is recorded to harddisk. The purpose is to monitor some specific data on the fly.



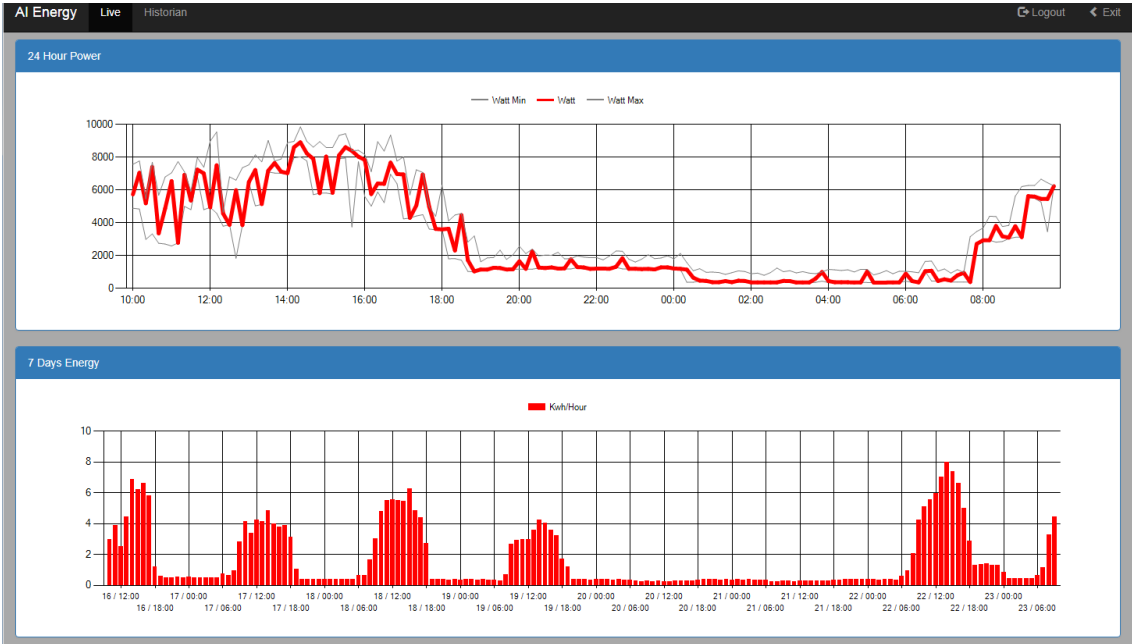
### Alarm Management

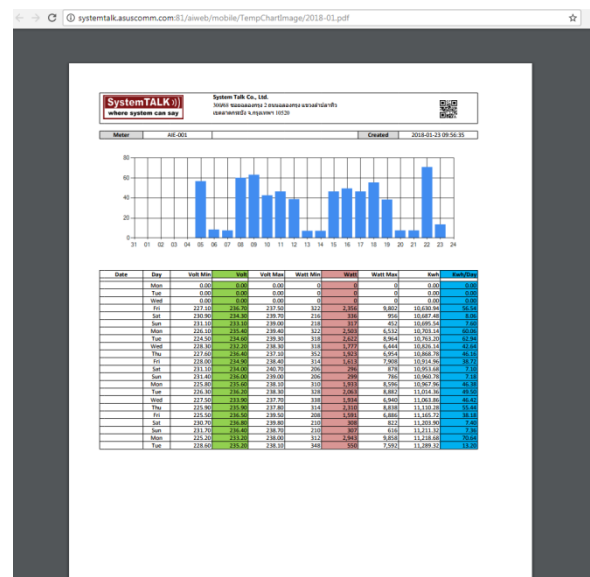
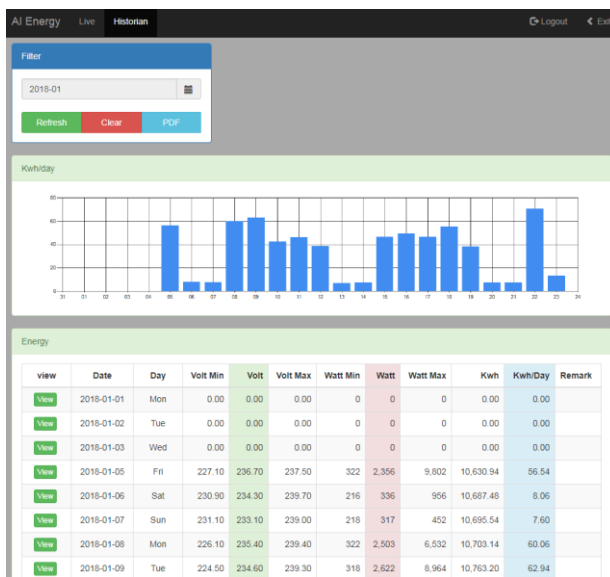
The tag engine supports alarm trigger. Out-of-the box alarm management component can be deployed to any graphic screen.



### HTML5 with Responsive Design

AIWeb mobile enables any web browser to access data. It supports HTML5 with responsive design. User can easily filter and generate Excel/PDF report from any devices.





## Software Specification

Server Minimum Requirement	PC with Intel Core i3 and 4GB of RAM Windows XP, 2003 server or newer MS .NET Framework 3.5 SP1, ASP.NET 2.0, MS Silverlight 5.0 SQL Server 2008 Express or newer
Client Requirement	PC with Intel Atom Quad Core and 1GB of RAM Windows Operating System Internet Explorer 7 with MS Silverlight 5.0 Plug-in
Tag Engine	Up to 5,000 Tags
Publish OPC	100 Tags (evaluation)
Number of Client Connection	Depended on server hardware performance. User or Fixed IP Licenses
Historian Storage	MS SQL Server
Alarm Storage	MS SQL Server
Reporter	MS Excel as template , output to Excel, PDF, PNG, JPG, CSV
Importer	MS Excel, CSV
Messenger	SMS, Email with attach files, LineNotify with image

## Comparison

	Other SCADA	AIWeb
<b>Platform</b>		
Back End	Windows Application	Windows Application (.NET technology)
Client Access	Windows Based	Web Based + Microsoft Silverlight Plug-in
Support Client OS	Windows	Windows / MAC (Firefox 52 ESR + Silverlight)
<b>Connectivity</b>		
Built-in PLC Protocol	Various Built-in Protocol	Fewer Protocol
OPC Server	Yes	Yes
Database Access	Using Script Language	Direct access E.g. ODBC, MS Access, SQL Server, Oracle
SQL Stored Procedure	N/A	Yes
Script Language	VBA / Proprietary Script Language	Microsoft VB Script
Importer	N/A	Auto import CSV, Excel with predefined mapping
Reporter	N/A	Excel, PDF, CSV report with flexible excel template
<b>Graphic &amp; User Interface</b>		
Image	True Color	True Color with transparency
Video	N/A	Yes
Sound	Wave	Wave/MP3
Dashboard Style	N/A	Gauge, Bar, Lamp, Multi Chart with animation
Gantt Chart	N/A	Yes
SPC Chart	N/A	Support specific SPC database structure
<b>Mobile Device</b>		
Android/iOS	N/A	HTML5
Device Screen Size	N/A	Bootstrap Mobile First
Graphic	N/A	Text, Image, IP Camera, Chart, Table
<b>Module</b>		
Alarm	Very strong	Fewer function
Data Logging	Built-in / Additional License	Built-in
Development License	Sold separately	Free of charge
<b>Messaging</b>		
Email	Yes	Yes (with report)
Line Notify	N/A	Yes (with report)
SMS	N/A	Yes
<b>Special Feature</b>		
PID Controller / Tuning	Yes	No
IP Camera	N/A	Snap shot jpeg (stored / display)
Barcode Reader	N/A	Via Serial Port
Thai Language	N/A	Support
Target Application	Process Control	Dashboard, Production Summary, Plant Monitoring
	Petrochemical, Oil & Gas	Data Integration

## About Us

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We are from factory automation field and are offering customers with ready-to-implement software solution to shorten initial cost and time.

## Technologies

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Our products & services are based on

- Microsoft .NET Framework
- VBA
- Telemetry
- GSM/GPRS Modem
- PLC/HMI/SCADA
- Etc

**T**echnology  
**A**utomation  
**L**inkage  
**K**nowledge

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