SysEng (S) Pte Ltd

Ubiquitous Data Access & Control System (U-DACS)

Empowers existing automation system with Web-enable Remote Supervisory & Control

Upgrading existing automation systems to a web-enable remote supervisory & control system is not a simple task. This can involve over-haul the existing automation system and huge investment on a SCADA system.

The solution:
Ubiquitous Data Access & Control System (U-DACS)

The U-DACS solution leverages on your current automation system, maximizing your current investment instead of a rework or over-haul. U-DACS integrates web-enable remote supervisory & control solution in 2 proven steps.

Existing Automated System

1) Using customized protocol interface units, U-DACS integrates most industrial automation control bus to standard database and U-DAS Common API.

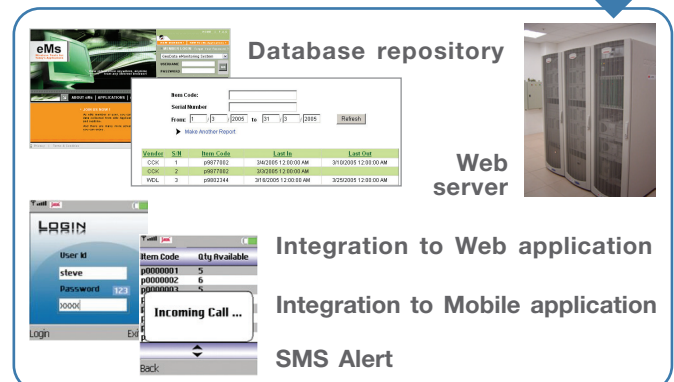2) The U-DACS Common API provides seamless access to web and mobile enabled supervisory and control application.

Protocol Interface

Standard DB & Common API

Database repository

Web server

Integration to Web application

Integration to Mobile application

SMS Alert

U-DACS provides your remote supervisory and control needs with:

✓ **Reduced Setup Costs**

✓ **Maximize your current investment**

✓ **One-stop Total Solution**
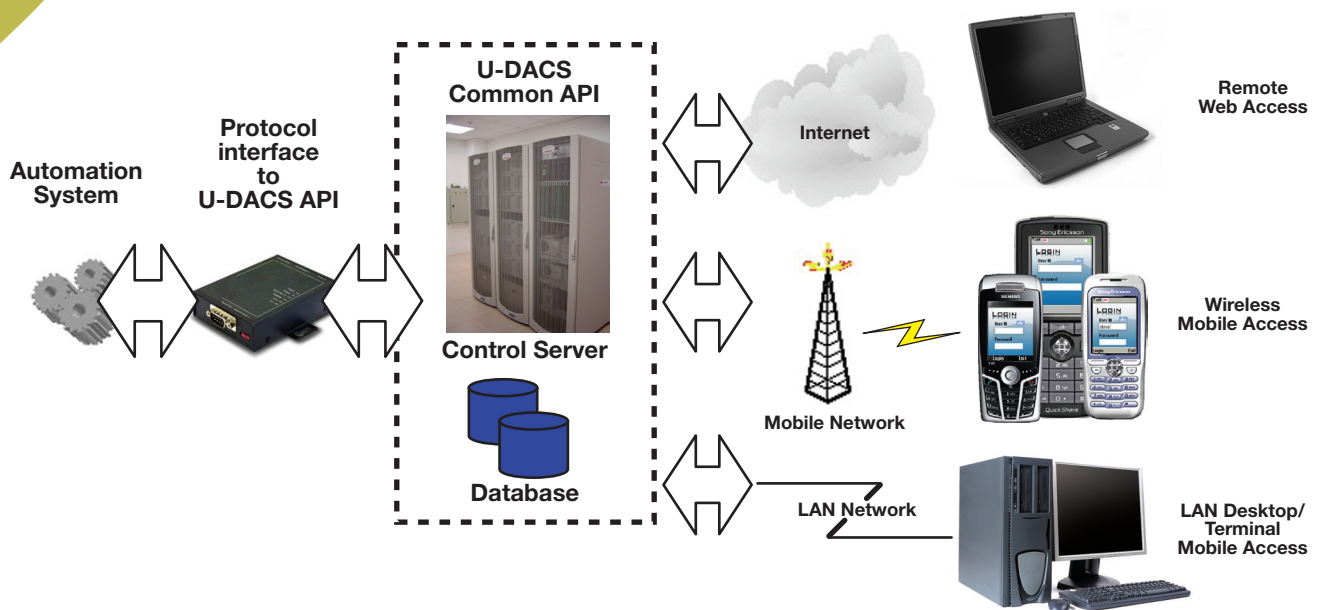
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Protocol Interface

Leverage on our vast experience in automation and controller system, we have developed a flexible and configurable protocol interface system. This Protocol seamlessly integrates the bus protocols of most automation system available to U-DACS API for database repository and remote access.

*customization for new series of controller system are possible.

Interfacing with most automation terminals/equipments as follow:
- RFID Receivers
- PLC Controller
- Motor Controller
- SCADA Controller
- Smart Sensor & I/O
- Field Instruments
- Customized System

Standard DB & Common API

The U-DACS common API is the software platform providing seamless DB Integration and getaway to remote data access and control through Web and Wireless Mobile Application. This standard API is flexible and fully configurable.

Once the protocol interface converts the automation system to U-DACS format, the common API serves as the main workhorse delivering data access and controls to remote clients.

Standard Database format currently integrated:
- OPC
- SQL
- XML
- ODBC
- .NET