Project for Industrial IoT (IIoT) to support the smart industry of tomorrow

The industrial market is going through a data revolution driven by the adoption of IIoT and the global need for smart industrial solution. Smart solutions requires information from the operational technology e.g. machines, controllers, devices and sensors. This information needs to be captured, communicated and presented to overall systems without interfering with critical real-time control traffic. To support IIoT the OT solutions are embracing IT technologies and protocols. This convergence between IT and OT puts high demands of seamless integration and ease of use. It also opens up for new innovative solutions that combines and introduces solutions from both the IT-and the OT world. The projects outlined below are in-line with the latest trends within IIoT and Smart Industrial solutions.

1. Tool for management and deployment of remote edge connectivity devices.
2. App (IoS/Android) based configuration and deployment tool of local.
3. App (IoS/Android) based BYOD (Bring Your Own Device) solution for edge devices.
5. Anybus Cellular (3G) interface module for industrial devices.
6. Anybus Cloud Connectivity Module – Evaluation and proof of concept for a few of the leading industrial cloud solutions e.g. ThingWorx, Oracle, MS Azure, etc.
7. Data Concentrator for new wireless sensors based on BTLE (capture) and present to an overall system (Ethernet).
8. High speed data streaming routing on Linux and ZeroMQ with a web based configuration and monitoring system.
10. Implementing Industrial IoT solutions on a standard “home” router – how can COTS (commercial of the shelf) solutions be used in these systems.

Innovation and Collaboration

Driving innovation and collaboration in a global environment is key. The following IT projects are focused on solutions to drive and facilitate innovation and collaboration.

11. Market place for new projects for employees to bet/invest/trade in using internal currencies.
12. A global “window” using WEB technologies where colleagues around the world can meet “face to face” in a simple and relaxed way.


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