Digital eXperiments as-a-Service

FOGHORN

90 Days to Demonstrate Where Industrial IoT can Bring Value to Your Business

FogHorn and ADLINK Technology's innovative Digital eXperiments as-a-Service (DXS) program enables highly efficient testing of potential Industrial IoT (IIoT) use cases to determine their maximum value to an organization. DXS is a preferred option compared to higher cost, higher risk and longer cycles of traditional proof of concept (PoC) approaches.

The DXS program provides all the resources required to get digital experiments up and running, including pre-validated hardware, client asset connection, data movement consolidation to bridge the IT/OT gap, edge analytics and machine learning, enterprise sharing, endpoint management, and services, including data science. The program is hardware and cloud-agnostic, which enables timely implementation of experiments with minimal upfront costs.

Everything you need to make IIoT simple:

- **Get everything connected** – A range of certified sensors, pre-configured adapters for standard industry protocols, popular enterprise historians, and pre-validated edge hardware are all included. The bundle also includes pre-installed FogHorn Lightning™ edge intelligence software for real-time streaming analytics and machine learning (ML).

- **Experience real-time insights, better predictive capability** – Built for advanced, low latency, closed loop industrial applications, FogHorn enables faster actionable insights for greater operating efficiencies such as uptime, yield, and energy savings.

- **Leverage edge to cloud ML** – Continuous inferencing on all sensor data, is sent to the cloud to enhance the ML model, which in rapid iterations updates the edge devices. This results in higher quality predictive insights to drive asset performance and process improvements.

- **Stream anywhere** – The DXS is cloud agnostic, facilitating multi/hybrid cloud strategies including IBM, Amazon, Microsoft, and Thingworx.

- **Link IIoT data to key platforms** – Tap directly into streaming data using tools such as Node Red and Elastic Search

- **Built on a trusted platform** – Best in class container-based edge content management (Docker) and process for updating OS, device registration management, uptime monitoring and reboot (VMware Pulse)

ADLINK DXS
IoT Digital eXperiments as-a-Service

Connect the Unconnected
People, assets & places

Maximize Edge Intelligence
Real-time insights, continuous predictive improvement

Stream Anywhere
Data to the right place at the right time

Control the Edge
Monitor, manage, analyze

ADLINK ® Leading **EDGE COMPUTING**

McKinsey Global Institute estimates IoT could have an annual economic impact of up to to $11.1T by 2025.

Why DXS?

DXS efficiently tests both technology and business outcomes without focusing solely on singular technical approaches. The best experiments result in a detailed blueprint for transforming an area of a process, product, or industry value network. Unsuccessful experiments can still provide significant insight: uncovering design issues which would have resulted in dramatic cost-overruns, to shedding light on where NOT to invest further. Every experiment creates an opportunity for organizational learning in the age of IIoT.

DXS is very quick to set up including all hardware, software and services to run digital experiments that deliver rapid discovery of where value can and cannot be created using IIoT. The program provides validation of internal capabilities as well as the supporting partner ecosystem before committing to a full roll-out. Successful experiments strengthen the confidence of stakeholders to make investments needed for large-scale roll-out.

The more experiments you do, the more innovations you find!

ADLINK DXS approaches each project individually to determine which areas are likely to be affected by the solution, from ground level operations to admin and resource allocation. Each digital experiment is defined at the intersection of people, places and affected assets, where most value can be created.

According to Gartner, by 2022, as a result of digital business projects, 75% of enterprise-generated data will be created and processed outside the traditional, centralized data center or cloud, up from less than 10% in 2018[1].

Get Started with FogHorn & ADLINK DXS: http://foghorn.io/ADLINK

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Manufacturing

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Renewable Energy

Transportation

Connected Vehicles

Smart Buildings and Cities