

Industrial IoT Services Built with Open Technologies

Companies, organizations and departments in the manufacturing, transportation and smart city sectors are all looking at how they can take advantage of the IoT revolution. With more and more Internet-connected smart devices and sensors producing exponential amounts of data, how do you process what you have collected in order to discover the all-important actionable intelligence for the factory floor, the mass transit system or the intelligent building?

Envigilant™ from Allied Telesis is the answer.

THE ENVIGILANT SOLUTIONS

Industrial IoT solutions from Envigilant are built around a robust collection of open technologies. This incorporates the power of a strong core of stellar, high-availability IP networking infrastructure, specialization in edge computing and supported with sophisticated managed services. This includes:



DATA ACQUISITION AND COMMUNICATION

IP-enabled sensors and devices (including Programmable Logic Controllers) have the potential to provide valuable data. Envigilant provides the data acquisition and network communication capabilities to get those data to systems and users that can actually make use of them.



DATA EXCHANGE

Data that comes from sensors or from other data entry systems can be locked in silos, severely limiting its usefulness. Envigilant has an application-layer data exchange capability that utilizes standards to unlock the value in your data by sharing it with other applications and exchange partners.



APPLICATION INTEGRATION

Our edge computing platform offers scalable compute and storage resources, allowing you to create a private cloud for hosting a wide array of applications, all of which are virtualized for optimum performance. Using a combination of ruggedized, field-deployable servers integrated with high-availability data center machines gives you the ability to extend your cloud out to all of your users.



VISUALIZATION AND ANALYTICS

Envigilant provides browser-based, geographic visualization tools along with analytic capabilities to unlock the value of your data.

FULL PROJECT AND SERVICES SUPPORT

As well as providing hardware and software services for state-of-the-art edge data exchange and analytics, Envigilant services include complete project management from initial project planning, through systems design and engineering, to deployment, testing and support. A sophisticated suite of managed services provide customers with added-value once projects are fully deployed and in production.

THE ENVIGILANT PROMISE

It's common for organizations to require assistance from product and service providers when faced with the challenges of designing and implementing IoT solutions, and ensuring end-to-end operations with enterprise systems. The issues are complex and the technologies involved represent a rapidly moving target.

Traditional legacy solutions use proprietary data structures that lock away the customer's data. **The Envigilant approach is different -** provide the customer with a secure and reliable edge infrastructure, with integrated back-end and process data in an open and accessible database. This ability to consolidate data from multiple sources allows the customer to gain new and enhanced insights they never imagined possible.

Envigilant promises to empower innovation, improve agility and will help to build a competitive advantage. It has a proven track record for reducing potential for errors, minimizing waste, improving process efficiencies, and reducing process flow times.



Envigilant is an industrial IoT services platform by Allied Telesis. Built from open technologies, it increases profitability by improving process efficiencies for manufacturers, transit operators and smarter industries everywhere.

Envigilant

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