vInnovate Technologies

Proudly Presents
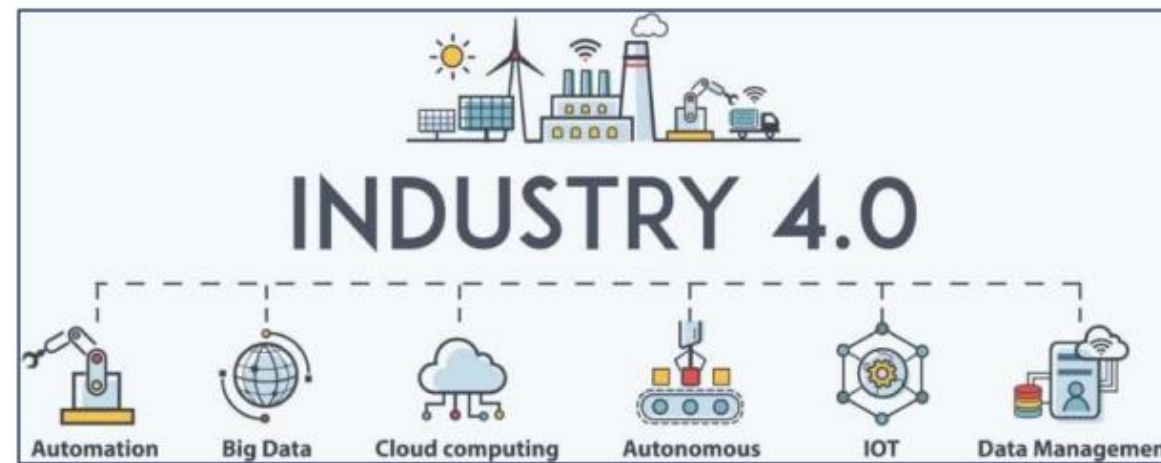
vEchoInsights

An IIoT-based Smart Platform which allows the development of monitoring systems in a variety of contexts where data can be retrieved from machines, flow-meters, stock systems, etc.   It then performs calculations and displays data in real-time , which enables staff and management to monitor the efficiency of various processes and make adjustments to maximize their performance.

The Industrial Landscape is Changing Rapidly

END OF THE 18TH CENTURY	START OF THE 20TH CENTURY	START OF THE 1970S	PRESENT
INDUSTRY 1.0 Mechanization	**INDUSTRY 2.0** Electrification	**INDUSTRY 3.0** Automatization	**INDUSTRY 4.0** Cyber-Physical Systems
Introduced mechanization of production by using water and steam to increase production capacity and productivity, versus manual craft work	Introduced labor-based mass production (assembly lines) powered by electrical energy	Introduced electronics and computers to replace manual work by stand-alone robotic systems	The convergence of physical, digital, and virtual environments through Cyber-Physical Systems (CPS) and the Internet of Things (IoT)
1784 First mechanical loom	**1870** First production line, Cincinnati slaughterhouses	**1969** First programmable logic controller (PLC), Modicon 084	

Change and Progress is Inevitable, and its Pace is Increasing

We Are Already well into the Fourth 'Industrial Revolution'! Are You Ready?

INDUSTRY 4.0

Automation · Big Data · Cloud computing · Autonomous · IOT · Data Management

How Does vEchoInsights Help Me?

vEchoInsights delivers technology to enable the digital transformation of the discrete, hybrid, and process industries by automating and digitizing their key "shop-floor processes for improved efficiency & productivity".

Digital Transformation is playing an important role in helping organizations to stay ahead of their competition. For Manufacturing industries Smart Manufacturing, Connected Machines are some of the important focus areas under Industry 4.0 initiatives

But most companies find it challenging as the Machine manufacturing industry still lacks a connectivity standard accepted by all. vInnovate with its solution partners plays an important role in helping companies overcome this shop floor connectivity challenges and helps bring shop floor data to corporate boardrooms.

How Does vEchoInsights Help Me?

vEchoInsights delivers technology to enable the digital transformation of the discrete, hybrid, and process industries by automating and digitizing their key "shop-floor" processes for improved efficiency & productivity".

Use Case - Manufacturing

Internet

Dedicated Cloud Server

Internet
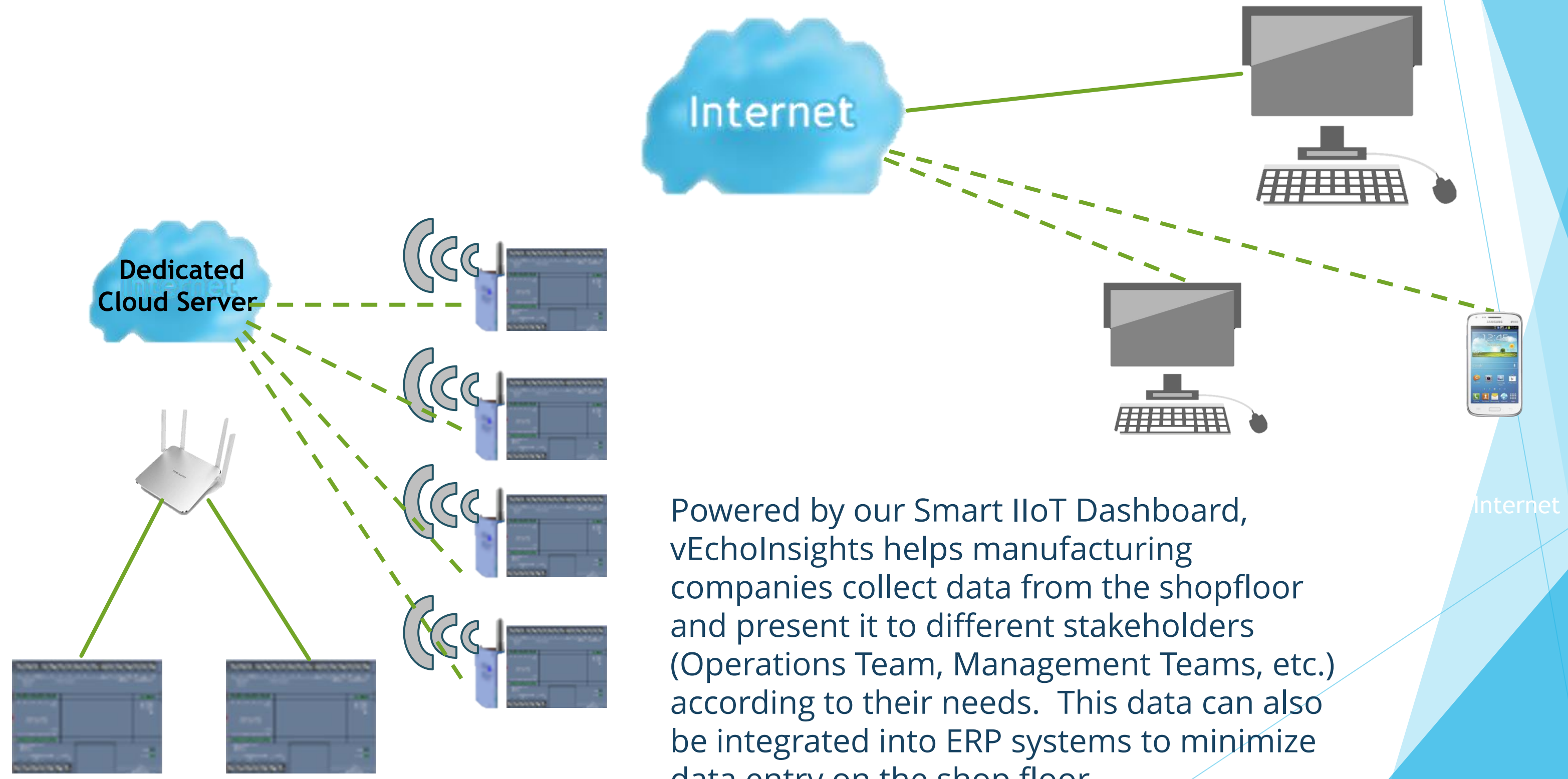
Powered by our Smart IIoT Dashboard, vEchoInsights helps manufacturing companies collect data from the shopfloor and present it to different stakeholders (Operations Team, Management Teams, etc.) according to their needs. This data can also be integrated into ERP systems to minimize data entry on the shop floor.

Use Case – Power &Utilities Management

Monitoring energy generation facilities can help optimize production, increasing revenue, reducing costs and minimizing the risk of service disruption. Sensors can monitor power distribution, such as utility poles, to detect damage and identify the need for preventative maintenance via the vEchoInsights Smart Dashboard.

Connected domestic meters enable utilities to automatically collect customer usage data for billing purposes, and activate and deactivate services. Connected meters also can serve as sensors, detecting power outages, water leaks, equipment failures and other problems which will be reflected in real-time on their vEchoInsights Smart Dashboard. More recently, several energy companies are increasingly leveraging IIoT solutions to analyze data from wind turbines, optimize turbine performance, minimise maintenance costs and increase energy output. In summary, vEchoInsights enables the Energy and Utilities sector to optimize energy production, distribution and consumption, by monitoring and reporting on parameters including; Temperature, Gas, Electricity, Water, Pressure, etc.
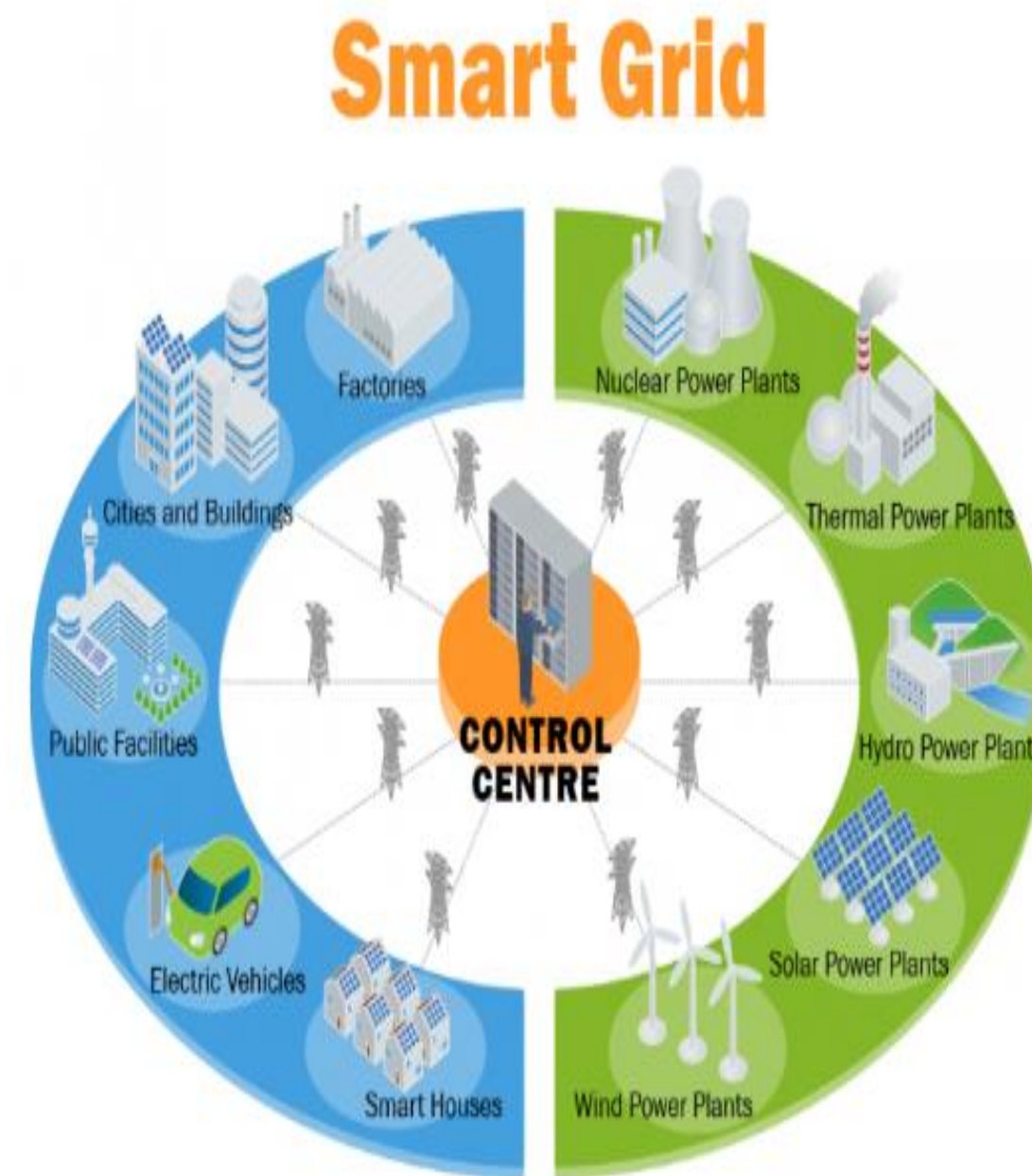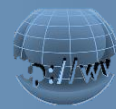
To find out more …

✉ contact@vinnovatetechnologies.com

🌐 https://www.vinnovatetechnologies.com/