



Flexible, rapid and secure  
cloud connectivity



Enable the benefits of cloud based industrial  
platforms for even the hard-to-reach assets  
with the Plant Portal kit

by SolutionsPT | AVEVA Select UK & Ireland

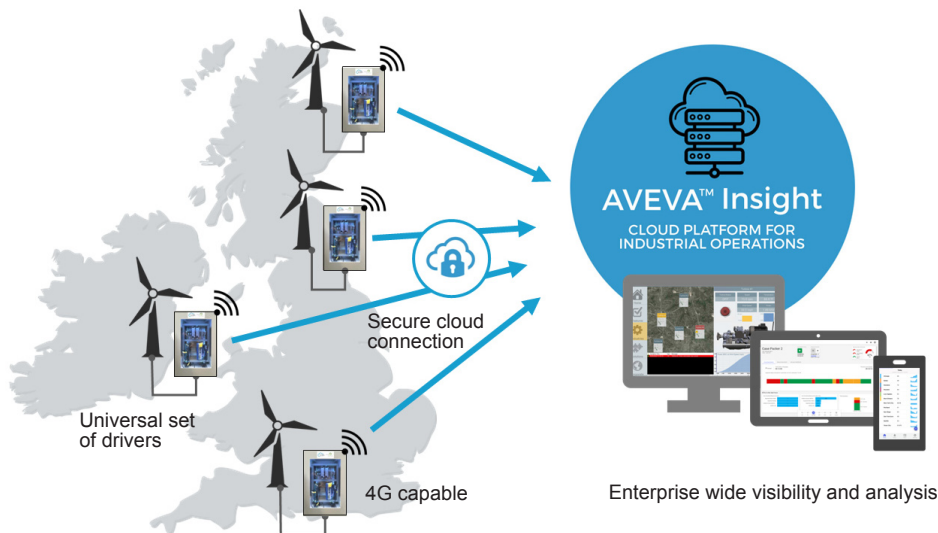
- Kit of Hardware and Software Components
- Minimal configuration
- Scalable costs
- Quick to implement
- Use the Knowledge & Experience of experts
- Secure by design
- Ensure Plant Integrity and Safety

## Plant Portal Solo

### Connect remote and stranded assets

Disparate or remote assets are frequently not connected to the network or internet enabled, due to the complexity of the IT operation required to configure a tiered network and the risk of cyber-attack.

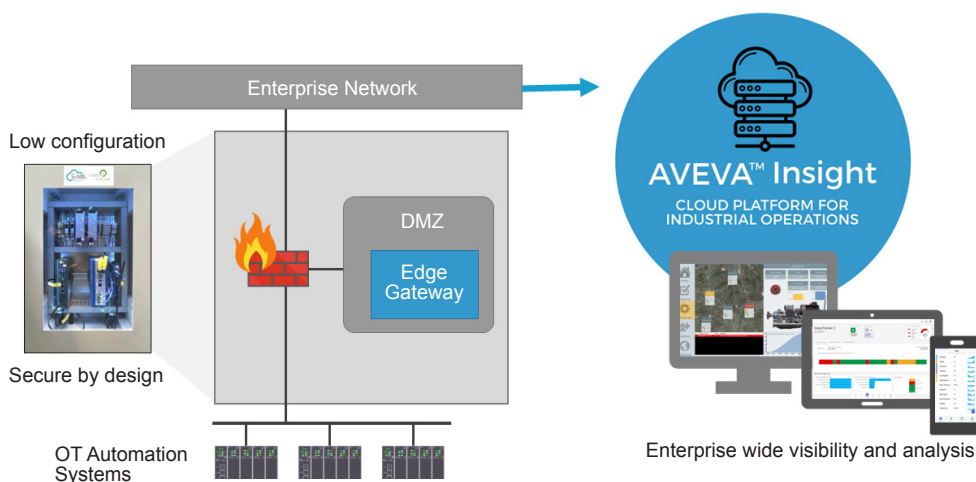
Plant Portal is a configuration solution bundle which easily supports a 'plug and play' approach. With in-built industrial grade security and over 250 industrial communications drivers, the risk and time investment required to connect remote operational assets using traditional IT methods is removed. Now all assets' data can be centralised through cloud-based technology.



## Plant Portal Connect

### Bridge the IT and OT Divide

Many Industrial Enterprises have an air gap between company and plant networks because of the risk of cyber security and the effort involved to connect these networks. Isolated OT automation networks can be connected to the Enterprise IT with the simple addition of the Plant Portal solution which provides ready-to-go connectivity and security. The solution provides a secure path for data from the plant floor to the enterprise and cloud.



## Plant Portal Kit

Kit of components that feature:



### Hardware

- Network segregation that keeps plant devices isolated. This provides protection for local site assets from cyber-attacks and, malicious damage
- An Industrial firewall, featuring a demilitarised zone for edge device to live in. This stops unwanted data leaking out or unwanted access to company information
- Encrypted outbound only connection to the cloud via a 4G router or your corporate network. No need for local on-site internet connection or the need for special networking equipment
- The hardware is DIN rail mountable in an Industrial rated enclosure supplied and assembled by our partner Platinum Engineering or by your preferred system integrator
- A local Edge device that can provide web dashboards, ANDON screens and connection to a local monitor, if required



### Software

- AVEVA Edge enabling data collection and aggregation from Site. It provides secure publishing of data to our cloud based industrial operations management platform
- 250 built in communication drivers to PLCs, IIoT devices and, OPC sources. This enabling nearly any site level device to be able share information to the cloud
- Built in web client to see dashboards and other screens locally on the plant floor
- Quick and easy configuration forenabling rapid time to value
- Industrial Eagle 40 Firewall runs the industry specific HiSec OS, capable of deep packet inspection on OT traffic and dynamic network rule learning.

## We make things easier

Accelerate cloud adoption

Cloud computing is now a well-established fact of life, and Industry 4.0 digitally connected IIoT solutions are now a staple in many industrial plants. But not all. Complexity, cost, and the time it takes to connect OT environments to a cloud solution securely are a barrier to many industrial operations. Plant Portal takes away that complexity. Now any asset at any site can be effortlessly connected to the cloud, allowing data to be accessed and analysed in real time. Industry 4.0 just got easier.





## Plant Portal Kit

### Cloud based Operations Platform

#### Aveva Insight

- Cloud based SaaS, no need to manage your own hardware infrastructure
- Universal accessibility to data
- Actionable Insights from Anywhere, Anytime, and Any Device
- Read only plant displays viewable from the cloud
- Unlock critical data
- Increase collaboration
- Improve asset reliability & OEE
- Implements work order management
- Drive operational performance
- Includes alarm views and operator logbook functionality

#### Unlock data and enable visualisation from anywhere in the world

No longer will data be trapped in remote assets, individual machines or HMIs on the plant.

Plant Portal is an easy pathway to rapidly getting data into your industrial cloud platform for operations securely without causing disruption to your plant networks, requiring additional firewalls and lengthy IT involvement.

Enable collective decision making with quick entry to the Cloud and leverage the benefits of IIoT and Industry 4.0 by simplifying architectures.

## Plant Portal Kit Assembly

### Bringing it together

Platinum Engineering helped us design and prototype the Plant Portal Panel. They will be happy to design and manufacture a solution that will meet customers specific needs. Alternatively, the Plant Portal kit can be assembled by a suitable qualified end user or system integrator.



## Get in touch

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