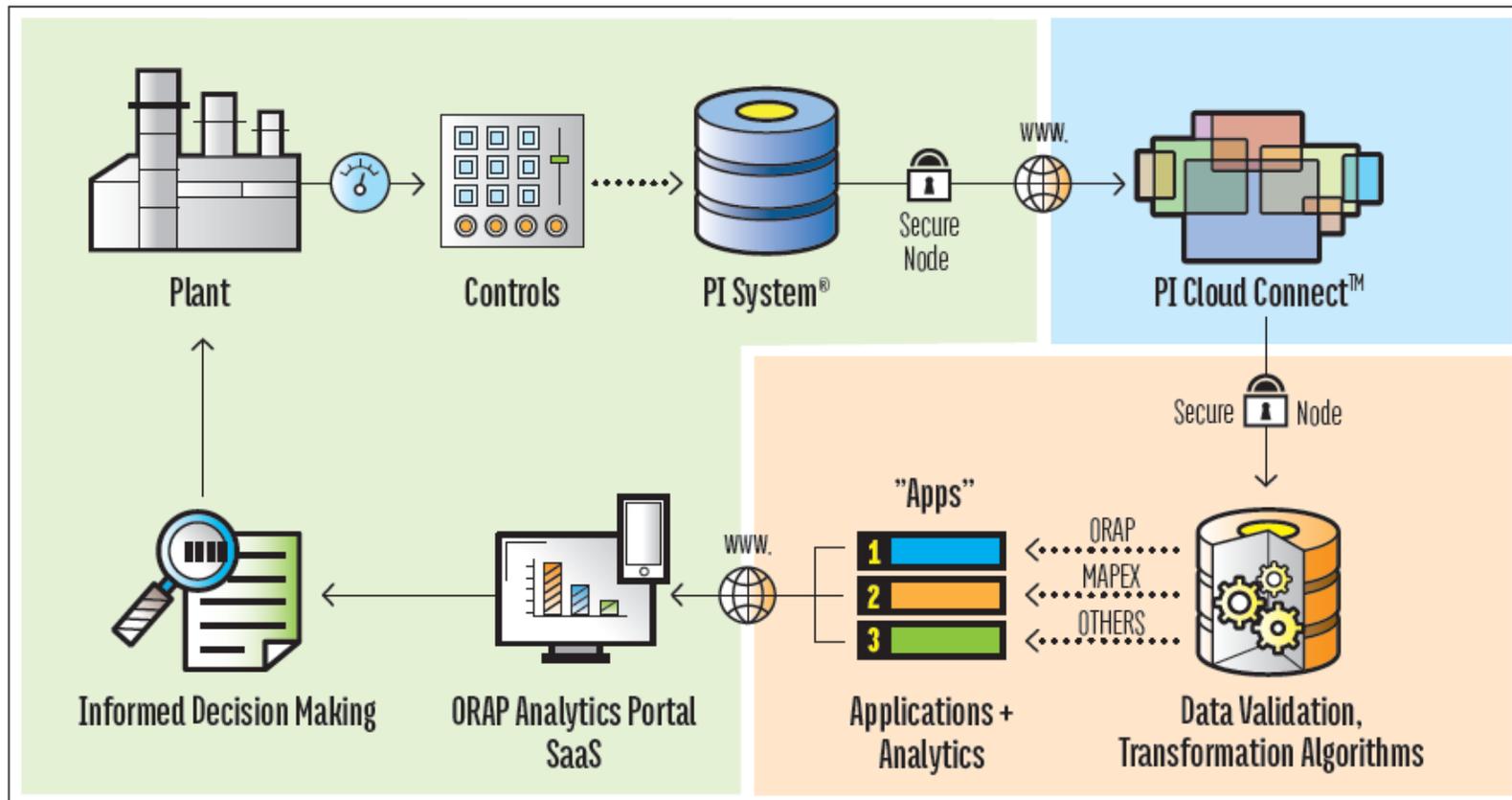
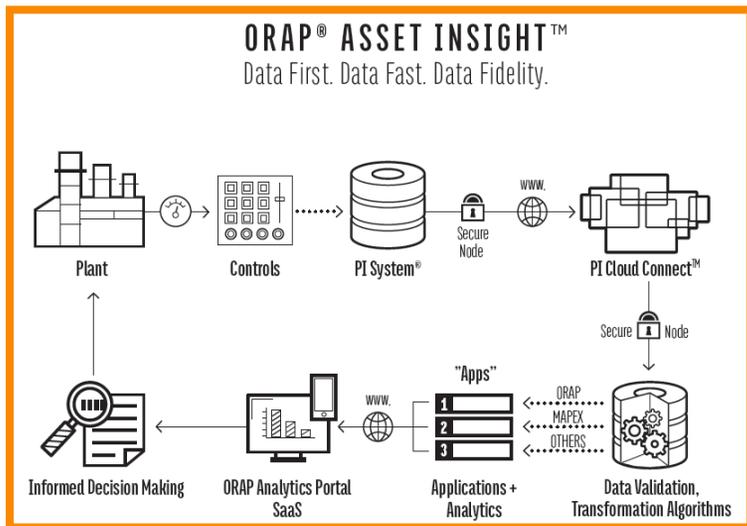


PROCESS ARCHITECTURE

ORAP[®] ASSET INSIGHT[™] Data First. Data Fast. Data Fidelity.





Customers with an Existing OSIsoft PI System

Data Flow

If you have an existing OSIsoft PI System, the first step to initiating the transfer of data to the ORAP system is a connection to PI Cloud Connect. PI Cloud Connect is a Cloud-based Software-as-a-Service (SaaS) offering managed by OSIsoft that allows you to share data between PI Systems.

To access PI Cloud Connect a “Connect Node” will need to be downloaded and installed on your infrastructure. For security purposes, the data that flows between your “Connect Node” and PI Cloud Connect is protected using HTTPS communication with the SSL protocol. Your data is then moved through PI Cloud Connect and pushed through to SPS’ “Connect Node” all while maintaining your data security.

Data Transformation

Once your data is received by SPS into our on-site PI System, the data is processed through our data validation and transformation algorithms. These algorithms process your raw data points into the information required by the application or (apps) that you have chosen. The apps then further process this data to provide the information and analytics you require to make informed decisions.

Data Analytics

All of the transformed information is provided back to you via our secure ORAP Portal. Presented to you on a state-of-the-art graphical user interface, each of the ORAP Asset Insight apps gives you the data that you need to make informed decisions. Whether it is understanding component failures in the fleet, providing you with your required data for NERC GADS, tracking your plants thermal performance through MapEx, or being predictive about when you need to perform maintenance, the data will be at your fingertips, faster and with higher fidelity.

If you don't have a PI System

No problem...a small footprint PI System can be put in place, with minimal cost and effort, to make this process work. Once the PI System is installed, the process follows exactly as indicated above.

Contact Us to Learn More
inquiries@spsinc.com