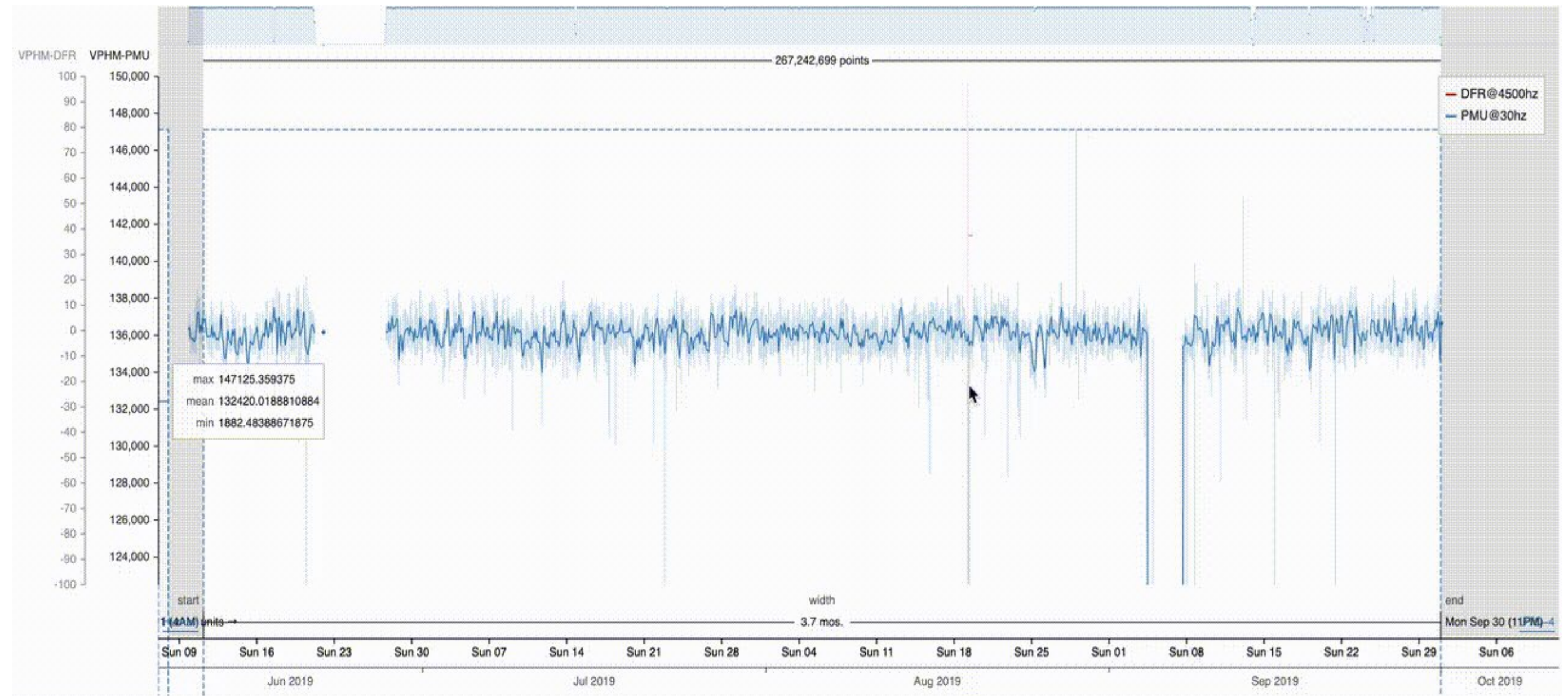


PingThings

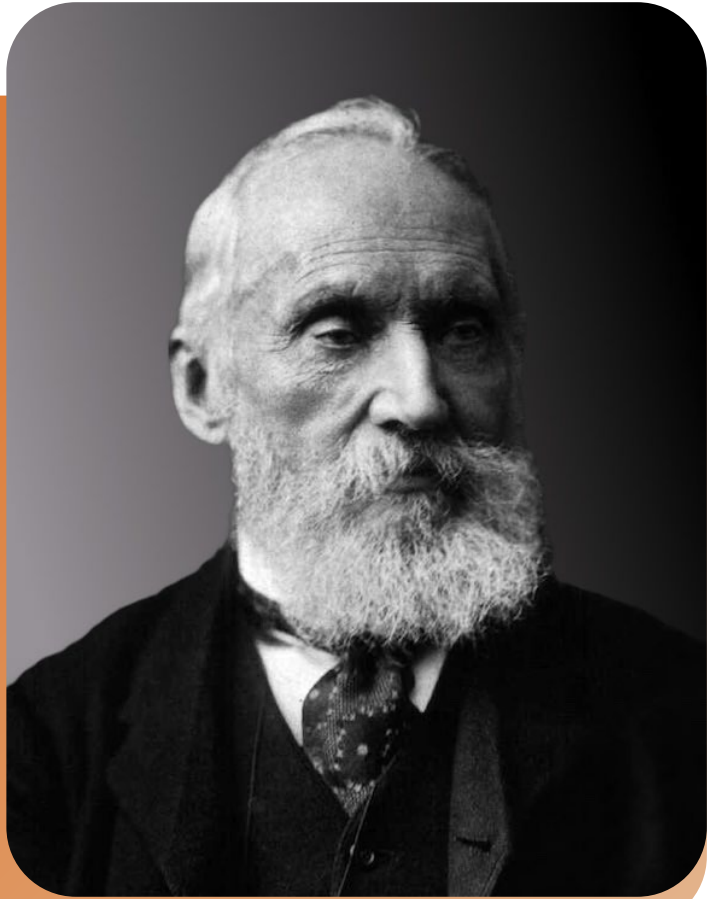
Powerful time series data platform
bringing intelligence for Future
Grids.

NASPI
Spring
2025



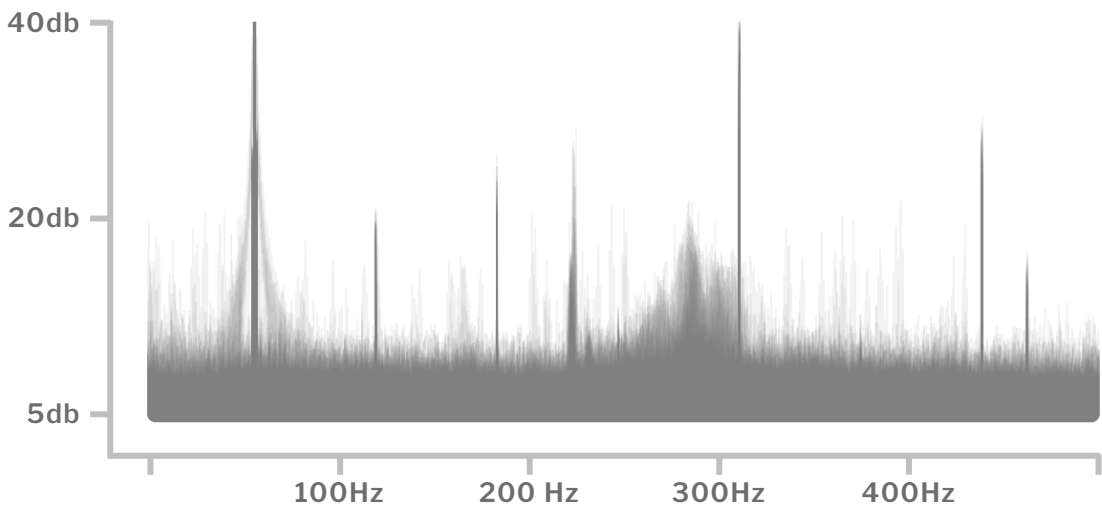
Time Series is a **Core Utility Competency**

Data Does Not Stop at the Sensor



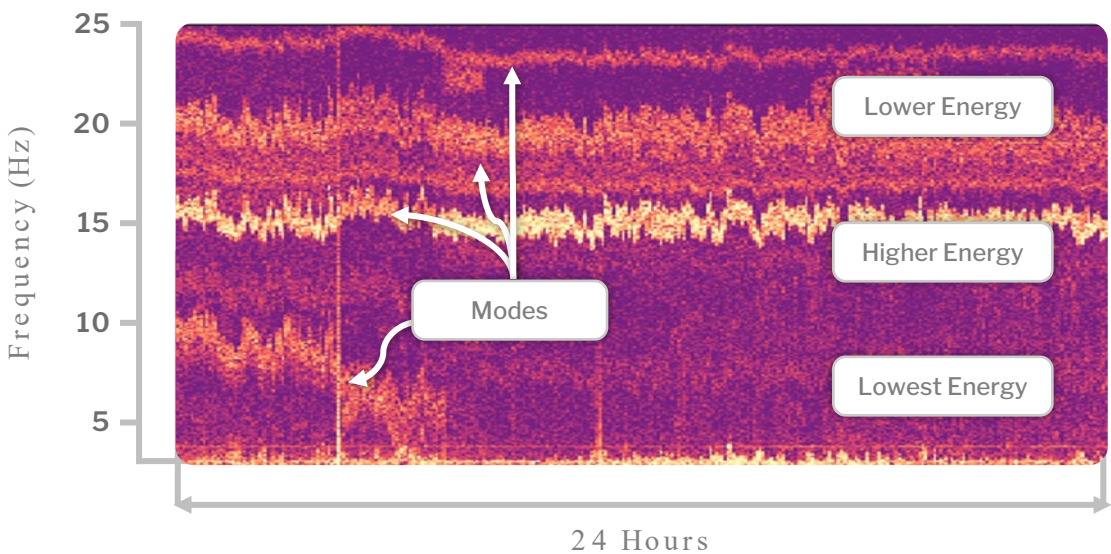
“To measure is to know.
If you can not measure it,
you can not improve it”.

Lord Kelvin



- Important grid phenomena exist a higher frequencies
- Omni-present dynamics show richness of “ambient” data

Examples of SVC Dynamics

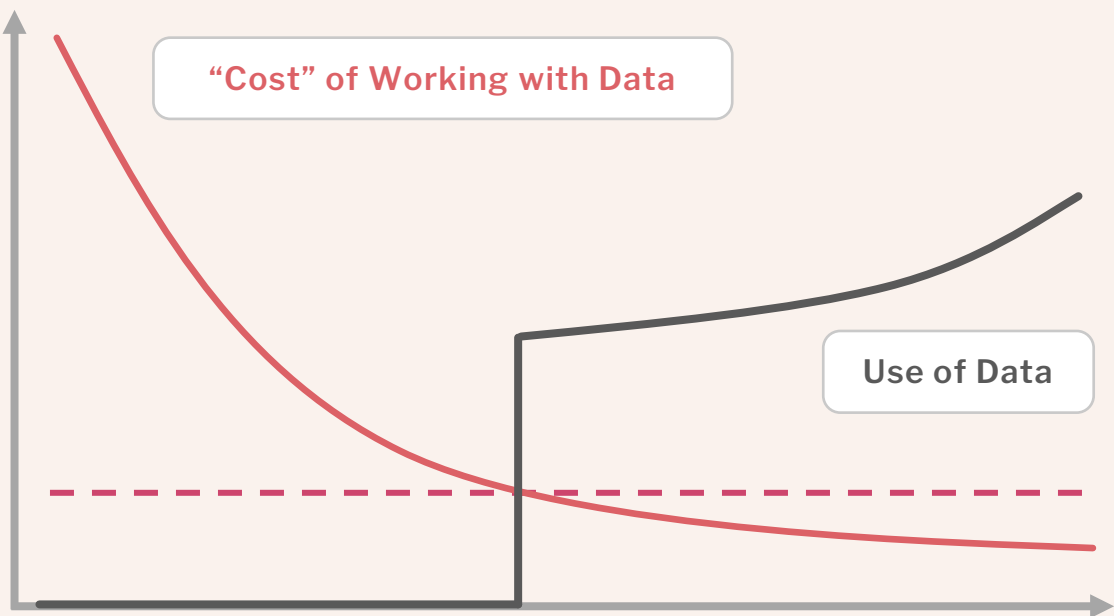


Data doesn't stop at the sensor!

Data Programs require adequate investment into technology, collaboration, staffing, and follow-through.

An organization must still metabolize results of analysis to reap the benefits.

We have to make it easy!



All Your Time Series Data, 50 Milliseconds Away

One platform for any type of utility sensor data, either from internal or external to the utility.



Platform System Architecture

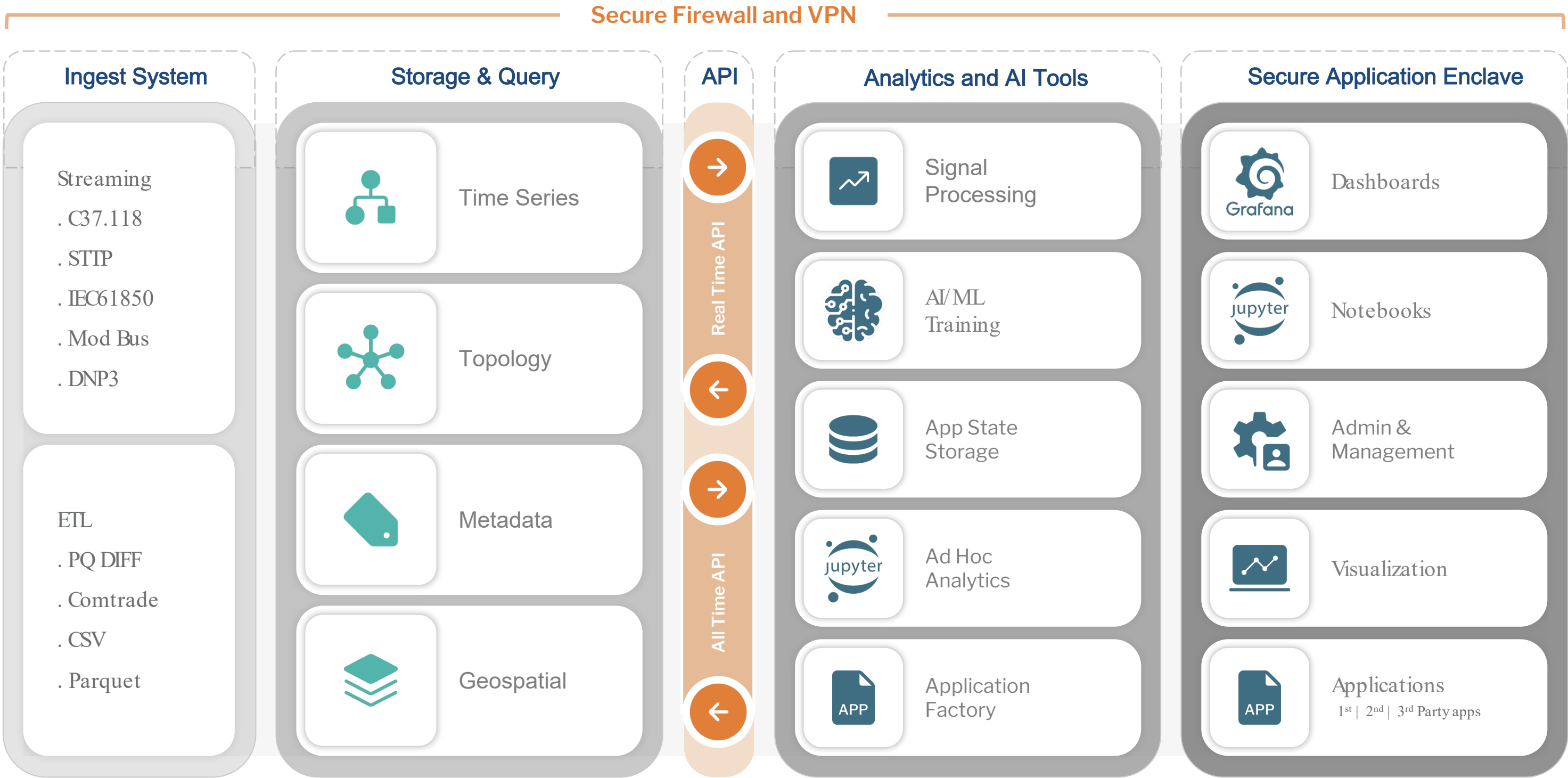
Everything Needed to Create Value from Real-World Time Series

Utility Data Sources

- Data Concentrator(s)
- Historians
- IOT/Devices
- Grid Sensors
 - . PMU
 - . AMI
 - . SCADA
 - . Power Quality
 - . IEDs
 - . DFR
 - . Point on Wave
 - . Proprietary3rd Party

External Data Sources

- Weather
- Environmental
- Satellite (time series)
- 3rd Party Sensors



Containerized, Secure, Scalable & Reliable

Deployed on:



The Complete Utility Data System

Combine  GRID PROTECTION ALLIANCE industry-leading

on-premise **data collection and augmentation**

with Ping**Things** time series platform

for real time and historical

data exploration, analysis, and application in the cloud.



The industry standard suite of tools for on-premise **data collection, management, and augmentation** focused **on real-time action.**



On premise data concentrator perfect for control rooms, substations, and streaming to 3rd parties.

Pre-built and tested real time data augmentation to compute common power engineering quantities.

Easily manage device health, stream integrity, and sensor performance.

Support for most real time operational data streams, including ICCP, DNP3, STTP, C37.118, IEEE 2664 and others.

Cost effective, scalable storage with lightning-fast access to all types of time series for real-time and historical data.

Fully managed, turnkey platform that is hyper secure, continuously monitored, and constantly upgraded and enhanced.

Self-serve, in-browser point-and-click and scriptable analytics for real-time and historical data to test or develop any use case.

Enable the next generation of Artificial Intelligence and Machine Learning applications.



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