

# PingThings

The Time/Frequency Platform the  
Energy Transition

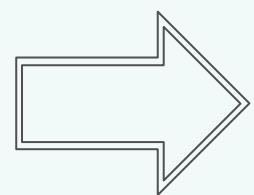
PredictiveGrid™  
Overview

April 2024

# PingThings is 3 Things

## 1

A scalable, cloud-based platform for **time series measurements** from **physical systems with real world context.**



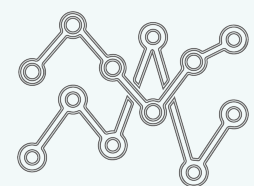
Ingest



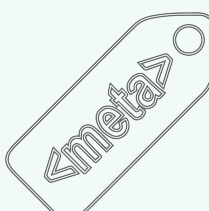
Storage



Query



Time Series



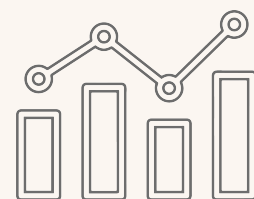
Metadata



Geospatial and Topology Data

## 2

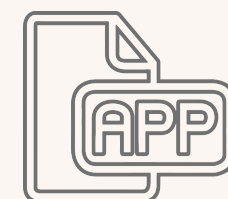
All the built-in **power tools** you need **to understand, analyze, learn from, and build with** your data.



Real-time and All-time Analytics



ML and AI



Rapid Analytical App Development



Data Collaboration and Governance



Extensive APIs for all Services



Rapid Dashboarding and Analytical Prototypes

## 3

A **rapidly growing suite of applications and dashboards** driven by sensor data and an **active, expert user community.**



**Build Your Own Applications**

# Thinking, Fast and Slow

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

Power Quality



Transmission Synchrophasor

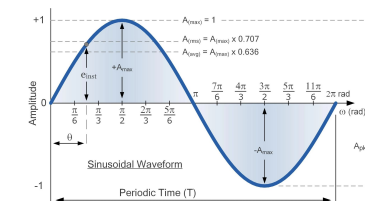


Distribution Synchrophasor

Smart Meter and AMI 2.0



Continuous Point-on-wave





## Before:

- Prior to deploying Ping Things' PredictiveGrid, Dominion's PMU program was on "life support"

## After:

- Easily work with data from synchrophasors, point on wave, DFRs, and power quality meters in one platform
- Evaluated over two dozen PMU use cases
- Determined an average of \$1.8M annual ROI per use case
- Built their own applications and use cases
- Published dozens of papers in IEEE, Cigre, and other industry journals
- 50+ presentations across conferences and the industry
- Lead the industry in solving the newest challenges involving IBRs and industry loads

*Synchrophasors are now a first class citizen at Dominion Energy, becoming a necessary and foundational technology for transmission.*





# Come Talk to Us at NASPI!



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## Autumn Knight

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