PingThings

PredictiveGrid™
Overview
2023
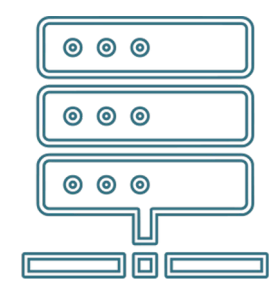
Time is More than Just Money

100 PMUs each with 20 channels of data @ 30Hz generates 1.9T data points in a year

	Read Speed (data points per sec)	Time to Read 1.9T Data Points	Your Data is...
Legacy Historians	10,000	6 years	history, no one looks at it
Generic Cloud Solutions	100,000	7+ months	unusable and frustrating; critical use cases are out of reach
	1,000,000	3+ weeks	
PingThings	10,000,000	2+ days	**transforming your entire business, enhancing and accelerating all processes.**
	100,000,000	5 hours	
	1,000,000,000	32 minutes	

PredictiveGrid™

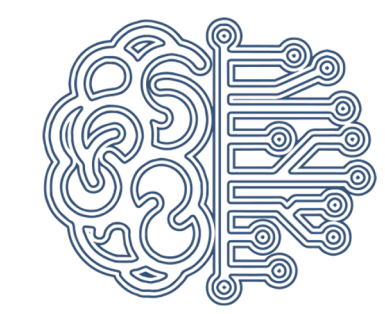## Enabling the Future of Energy

Handle Time Series Data

Ingest, store, access, fuse and visualize time series data where others can't

Unlock Analytics at Scale

Realize previously-impossible engineering and industrial analytics at scale

Train and Use AI

Leverage vast, untouched data to train machine learning models for next generation use cases

Build and Deploy Apps

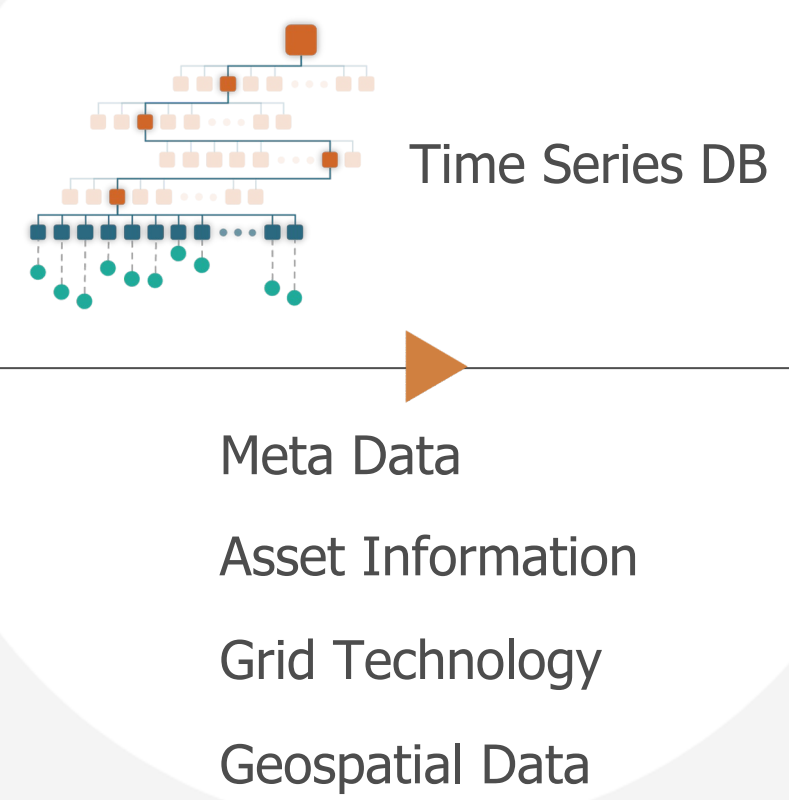Transform your data into business value by easily building applications with your data.

| Ingestion | Storage | Access | Analytics and Context | Artificial Intelligence | Digital Transformation |

PredictiveGrid™ Platform

Sources

Data Concentrator
Historians
Archives
IOT/ Devices
Sensors
   PMU
   AMI
   PQ
   DFR
   Point on Wave

Storage

Time Series DB

Meta Data
Asset Information
Grid Technology
Geospatial Data

Analytics

Distil
Real-time Distil
Jupyter Hub
User Defined Functions

Spark
Ray
Tensor Flow

Access

API
Realtime API

Access Control

Value

Data Exploration
Dashboards
Reporting
Jupyter Notebooks

Rapid Application Development
Management Apps
Utility-specific Apps
Event Detection

Rapid Application Building

![PingThings logo]

Challenge

The use cases for utilizing synchrophasor data, as well as virtually every other grid sensor from AMI to power quality and point on wave, are **virtually unlimited** but untapped.
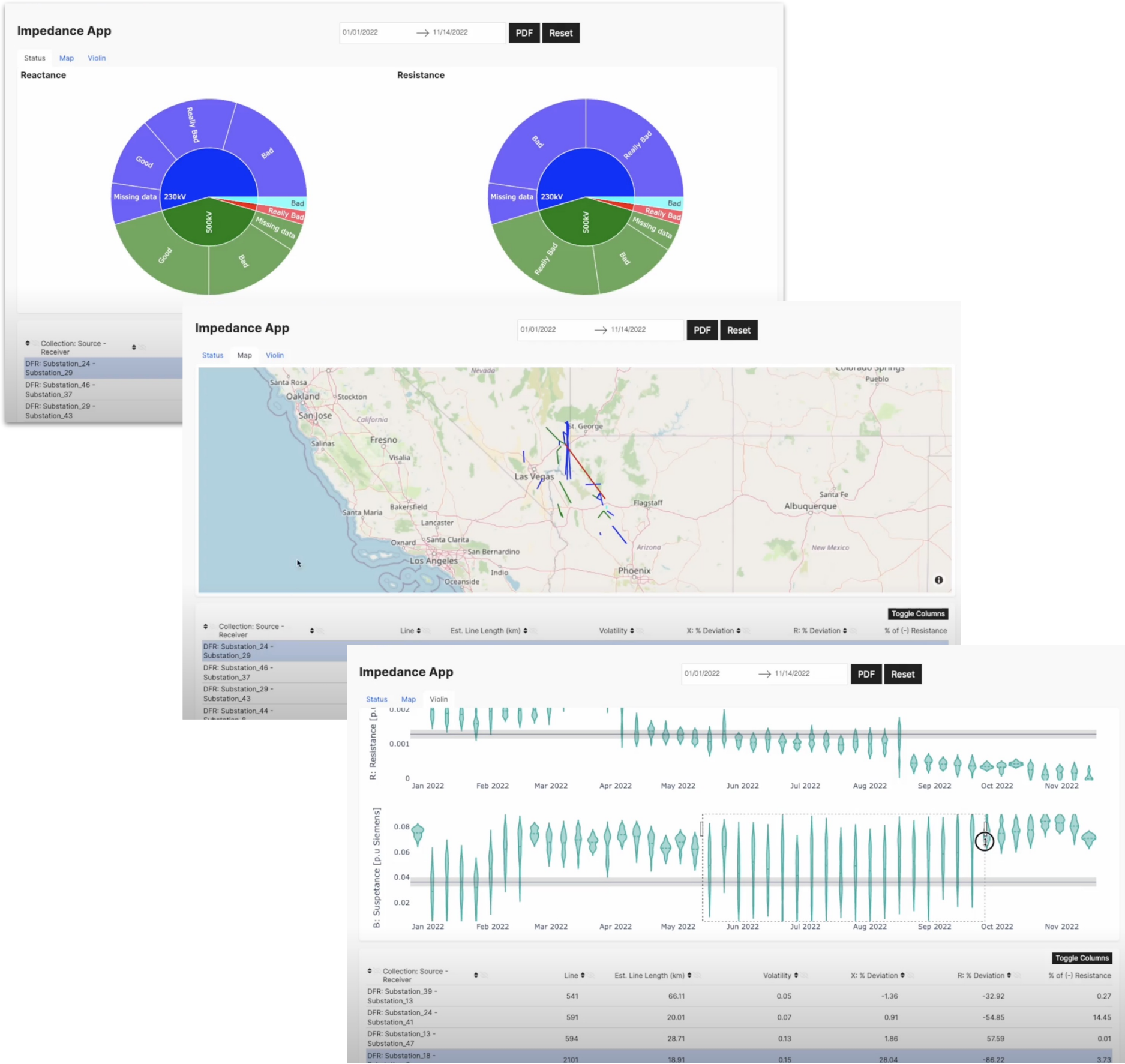
A platform built for novel analysis must also **provide users with a toolset** to easily build and deploy full applications based on these ideas.

Solution

PingThings' PredictiveGrid™ platform provides robust support for rapid application development in a **low-code application-building environment**.

This allows a prototype to production deployment with **new analytics, dashboards, and more in hours** rather than months or years.

Contact Us

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