## Time is More than Just Money

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

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

© 2023 PingThings, Inc.
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

MATT BURTON
CRO

matt@pingthings.io
+1-512-694-5236
pingthings.io