Utility Asset Management with Machine Learning

Jon Garrity
Founder and CEO
1. Siemens & GE monitor health of their gas and steam turbine fleets

2. Advanced prognostic analytics predict failures and reduce downtime

3. But, these capabilities accessible only for extremely high value equipment

Tagup enables these proven capabilities for any equipment type.
Our team includes leading experts in Artificial Intelligence and industrial equipment monitoring, with skills developed at GE, MIT, and Harvard.

**Leadership**

Jon Garrity  
Co-founder & CEO  
- GE Analytics Software Product Manager  
- Harvard MBA; MIT S.B in Physics & Econ

Will Vega-Brown  
Co-founder & CTO  
- MIT Computer Science PhD Candidate  
- Expert in Artificial Intelligence

**Advisors**

John McDonald  
Director, GE Grid Solutions  
- IEEE PES President  
- Wrote the textbook on substations

Lou Schick  
Partner & CTO, NewWorld Capital Group  
- Former GE Gas Turbine engineering executive  
- Expert on machine analytics and remote monitoring
Our analytics platform
Enabling machine learning models to run in real-time across utility install base

- Automates ML training/execution
- Standardizes data for common models
- RESTful API provides extensibility
- User application for authorized access to real-time data and analytics
Analytics Capabilities

How we apply machine learning to industrial equipment

1. Anomaly Detection
The next-generation “threshold alarm”

2. Operating Mode Classification
Understand equipment operating condition

3. Failure Prediction
Prioritize equipment for maintenance and replacement
Our Challenges in Launching a Product and Enabling Growth

Building credibility and documenting value creation has been key

**Initial Development**  
2015 – 2016

- Defining market opportunity
- Prototyping (hardware + software)
- Initial customer discussions

**Pilot Deployments**  
2016 – 2018

- Ecosystem support
- Lots of customer feedback!
- Leverage early successes

**Commercialization**  
2018 –

- Decreasing average total cost
- Investing in commercial team
- Sustainable growth trajectory
CONTACT US

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