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Enabling High Performing Modern Utilities Using Turnkey Virtual Power Plants (VPP) and Grid Edge Solutions

Speaker: Vish Ganti

VP of Products, AutoGrid









AutoGrid: The Leader in **Energy Internet** Applications



50+ Global Energy Customers



6,000 MW+ Distributed Resources Contracted



\$135 Million+ Venture Funding

Company Facts

- Mission: To Accelerate access to Sustainable Energy
- Founded in 2011 at Stanford University, 100+ employees
- **Key Strategic Investors & Customers**























Awards











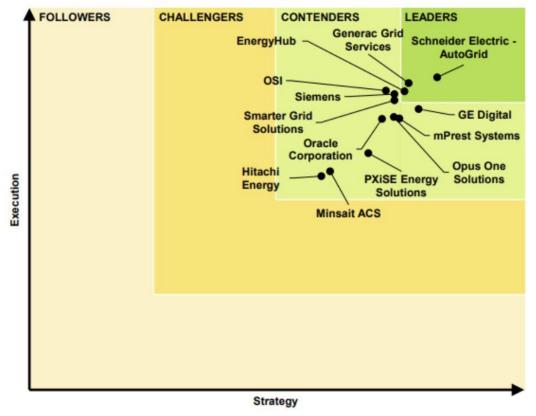






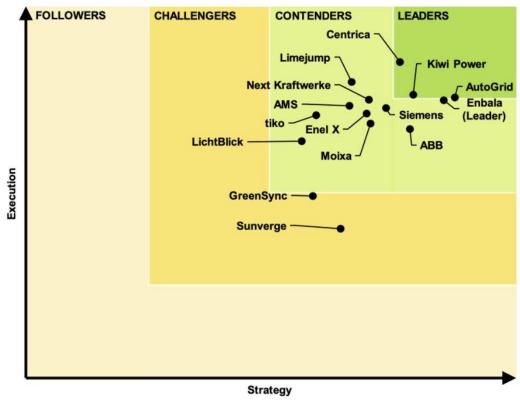
AutoGrid is both Ranked #1 in VPPs and DERMS

Chart 1-1. The Guidehouse Insights Leaderboard Grid



(Source: Guidehouse Insights)

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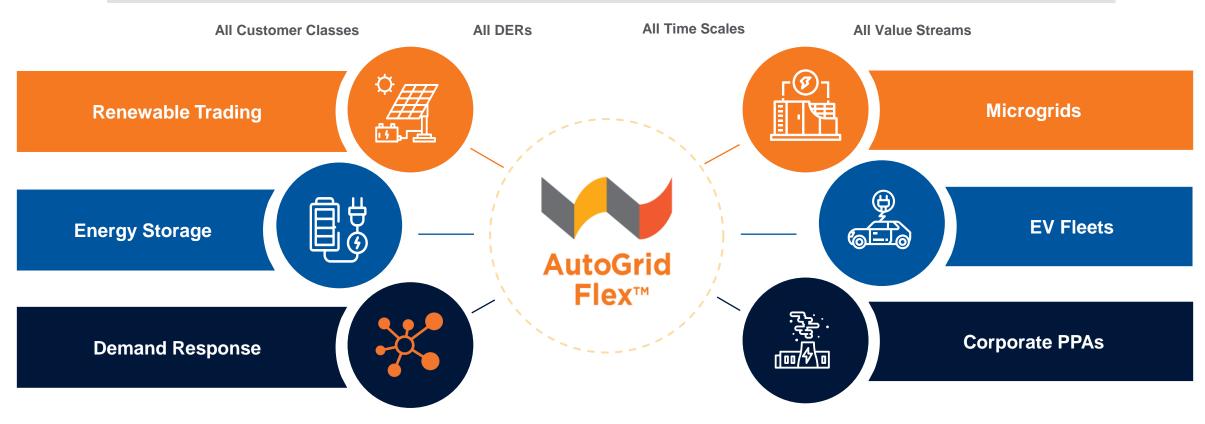
DERMS





AutoGrid is the Brain of New Energy Networks

AutoGrid enables New Energy providers to manage and optimize renewable and distributed energy resources ("DERs") in <u>real-time</u>, and at <u>scale</u>

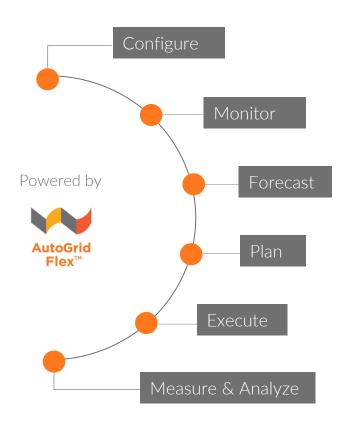


Built cloud-native to manage realtime control systems workloads in the cloud Leverages best-in-class Al-based optimization to provide highest return from energy assets

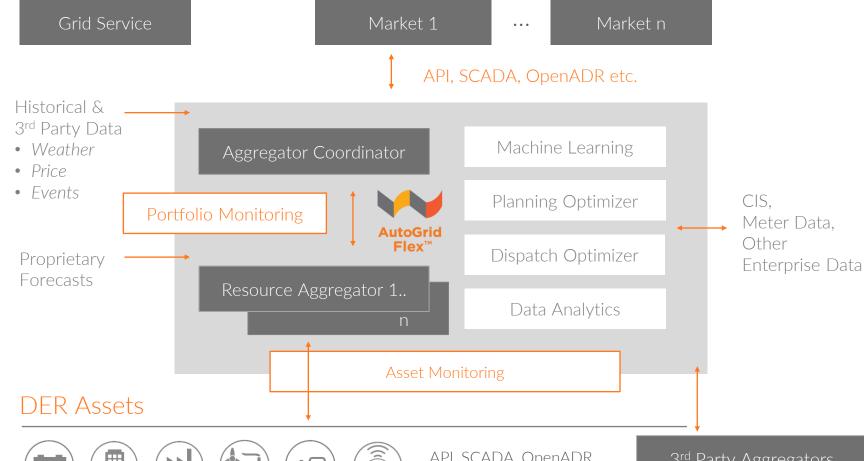
Control millions of assets using high-performance numerical methods with big data



Flex Solution Architecture



Market Plays

















API, SCADA, OpenADR, Other Comm. Protocols

Comprehensive Flexibility Management capabilities across ALL dimensions



Turnkey VPPs: One Stop Shop Marketplace for DER Management

Buyers of Grid Services





Wholesale Markets

Utilities







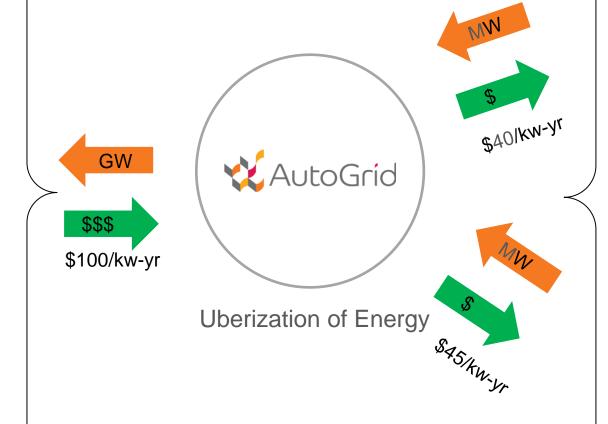












Suppliers of Energy

Hardware OEMs







EV **Networks**





Installers & Developers

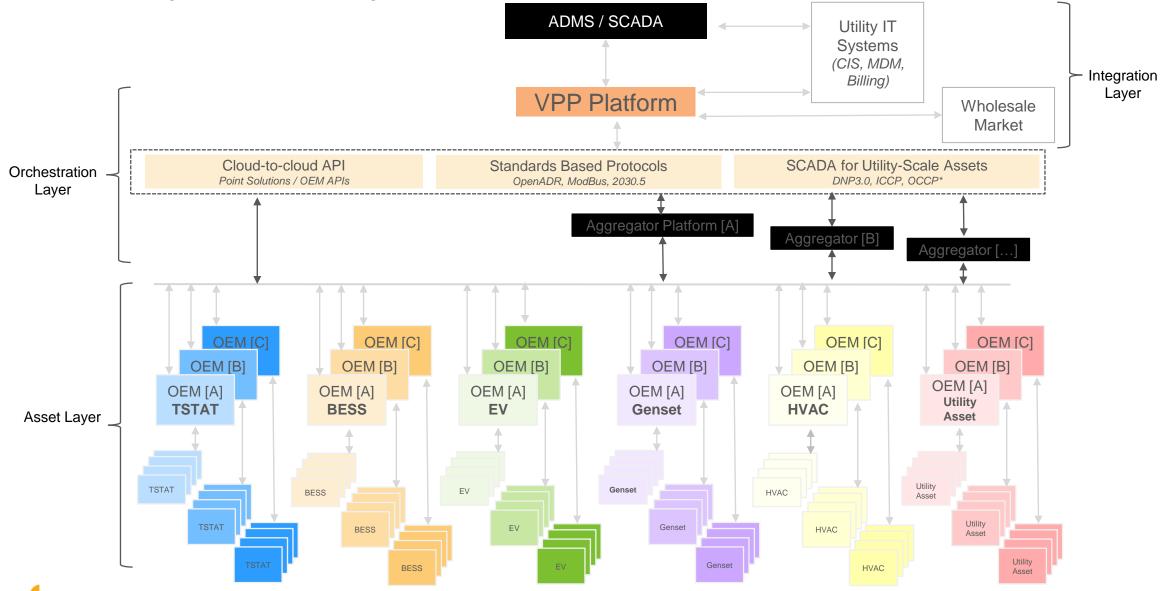


Load **Partners**



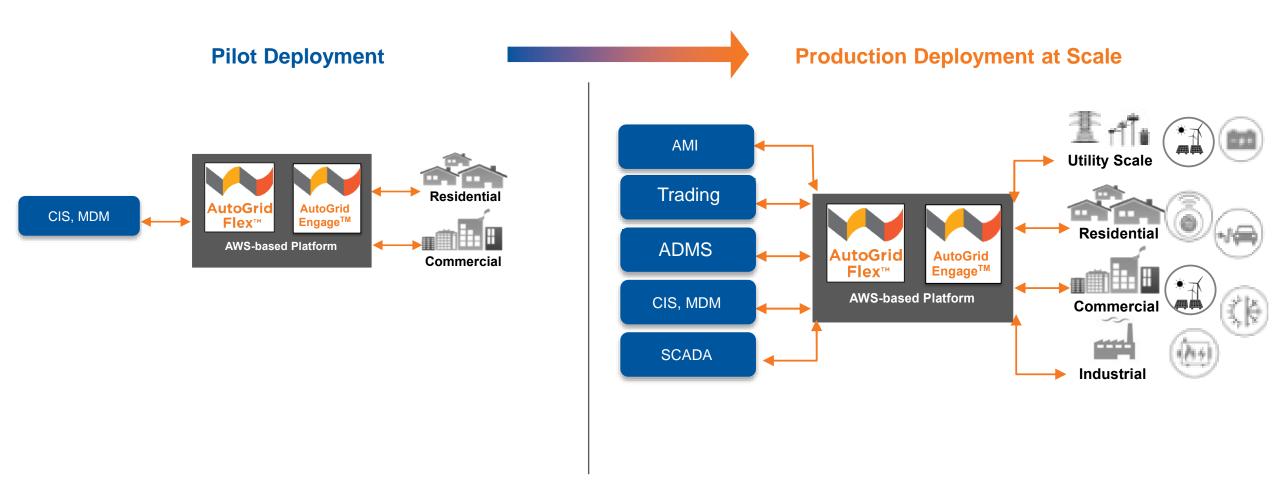


VPP - System of Systems Orchestration





Challenges in INDIA





Closing Remarks

- Define the Grid Edge in the Indian Context
- What devices are we likely to find in the Indian context
- Customers own their data. Rules around Data Sharing and Privacy
- Common market & policy drivers
- Interoperability, extensibility and security

VPPs are one of the fastest and cheapest way to decarbonize our energy supply chain.

Activate the Power of Collective Human Action!







THANK YOU!!



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