

# **VOLTTRON Testing Tool Kit**

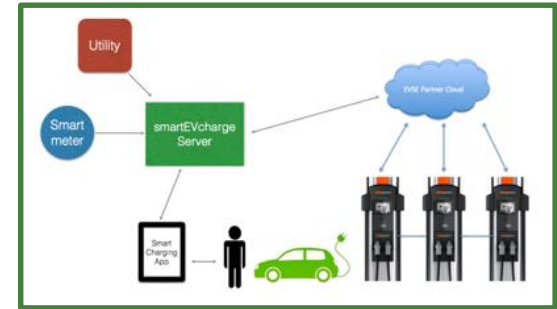
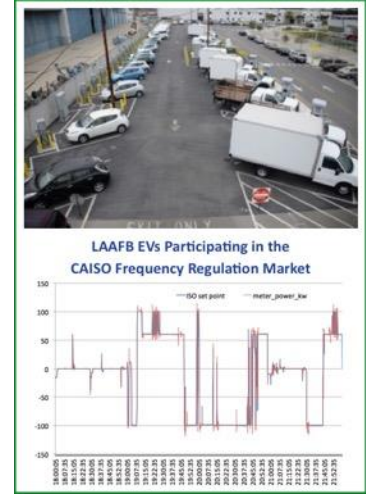
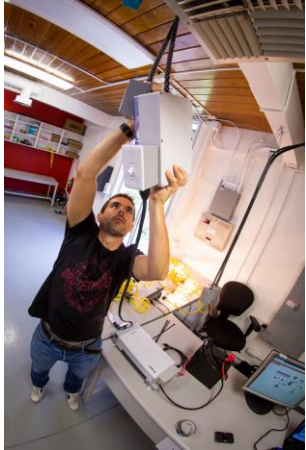
## **SLAC National Accelerator Laboratory**

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2016 Benefit Kickoff Meeting  
November 18, 2016 @NREL

# VTTK Project Team

## GISM@ SLAC (Grid Integration, Systems and Mobility)



# Goal: Promote VOLTTRON adoption

- The developer community is small, we want grow it
- VOLTTRON is mainly used in research projects; we want industry to use the VOLTTRON platform as a basis for commercial solutions

# Ease of Use & Developer Awareness

- Build a simulation framework that will make it easier to develop & test agents.
- Enhance the development environment tools to aid debugging and simplify deployment.
- Host hackathons to promote VOLTTRON development projects and introduce software engineers to the platform
- Build functional reference application that can be used as templates by new VOLTTRON developers
- Accelerate platform development by fixing open bugs and implementing feature requests – eg. additional database support.

# Open Platform == Smarter Grid

- Open platforms are:
  - Less expensive
  - More robust
  - More secure
  - etc
- Wide adoption of an open platform will result in faster migration to common protocols required for a smarter grid
- Examples:
  - EV Charging (OCPP, ChargePoint, 15118)
  - DER integration (SEP2, OpenADR)

# Thank You

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