



AutoGrid

DROMS

DEMAND RESPONSE OPTIMIZATION
& MANAGEMENT SYSTEM

ENERGY DATA PLATFORM
APPLICATION

JUNE-19-2014

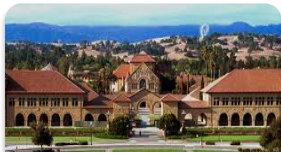
AutoGrid Systems Background



Founded in 2011



~ 35 FT Employees



Stanford and Palo Alto Roots



Investors



Key Messages

- 1. Software Only*
- 2. Hardware agnostic*
- 3. AMI vendor agnostic*
- 4. Communication protocol agnostic*
- 5. Open standards – OpenADR, SEP*
- 6. Cloud Based, SaaS, Big Data platform*
- 7. More than just a VTN server*



AutoGrid

OpenADR Deployments

ARPA-E

Objective:

“predictive analytics, hosted on the cloud and built around open standards, can dramatically reduce the cost of implementing demand response programs and provide grid operators greater flexibility and granularity”

- *Collaboration with LBNL*
- *Columbia University*
- *DR event was sent to four (4) C&I load*
- *Four (4) second usage data using eiReport*

California Energy Commission (CEC)

Objective:

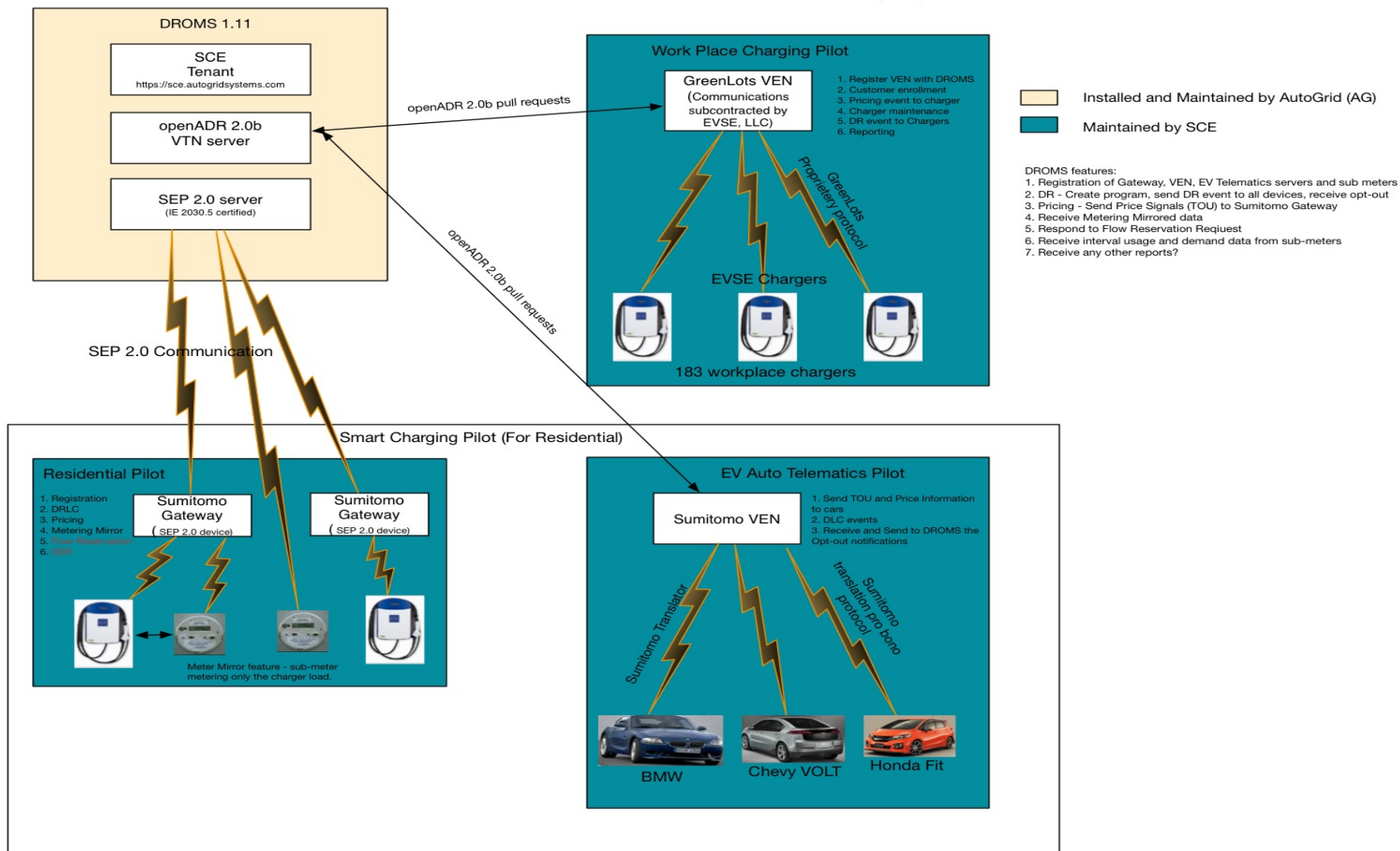
“demonstration of DR events at Industrial Sites of at least 100 kW shed per event, without the use of dedicated ECN networks”

“ancillary services with shorter notification & duration of DR, up to 20 events per year and 100KW of shed”

- *Collaboration with LBNL*
- *Seven (7) units at two (2) sites*
- *Sunnyvale WPCP & Recycling Smart Stn*

Southern California Edison (SCE)

Southern California Edison (SCE) Architecture



Bonneville Power Authority

Recently awarded the contract

Kick – off meeting next week

Some high level use cases:

- *SMB load for AutoDR*
- *OpenADR 2.0b*
- *Load prediction and rules based DR*



AutoGrid

Questions?

