SAP Palo Alto Campus
14 L2 Charging Stations
8 Make Readies
SAP Labs
3410 Hillview Avenue
Palo Alto, California 94304

- 2000 employees, 9 buildings
- 14 charge spots, outdoor, networked, Level 2
- 30 - 50 plug-in electric cars parked on campus each workday

Emergency power off switches

Inductive Charging Pilot

Space for multiple cars to share one parking spot

One combined EV parking space
Free electricity for both employees and guests!
- Level 2 charging limited to 4 hours per person, switch at noon
- Online EV Forum used by employees to share concerns

We still have issues with:
- Broken chargers
- Plug-sharing etiquette
- “Unplugged alert” alarms
- Delays in registration, activation of new users
- Educating new users
I should be handing this plug over to another EV driver!

Or, I have spare capacity to join in a demand response event…
Palo Alto Municipal Utility’s Innovative DR Program

Demand Response Request → Approval → Cloud Service DR Activation

“Load shed in progress”
Achievements and challenges: Slightly decreasing our emissions in spite of strong business growth in 2012, but missing our total GHG reduction target for the year 2012

In 2012, our results represent both an achievement and a wake-up call. We slightly reduced our emissions compared to 2011, an accomplishment given our significant growth. This included the acquisition of multiple companies (the largest being SuccessFactors and Ariba) and the resulting addition of about 5,000 employees.
SAP Corporate Sustainability Metrics: Workplace Charging → Employee Engagement

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EV Charging As a Connected Car Service

The Digital World

OEM Systems (SAP, non-SAP)  
Shared services  
Big data  
Transactions  
B2B

SAP HANA Cloud for Automotive & Utilities

B2C

Connected Vehicles

B2B

3rd Party Management Systems

Parking
Retail
Flight Status
Carpools

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EV Charging As a Connected Car Service

http://connectedcarcontest2013.com/