

OpenADR Alliance Theater

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What is OpenADR? @ 1PM

What is OpenADR?

ISO/Utility/DR Operator



VTN

What is OpenADR?

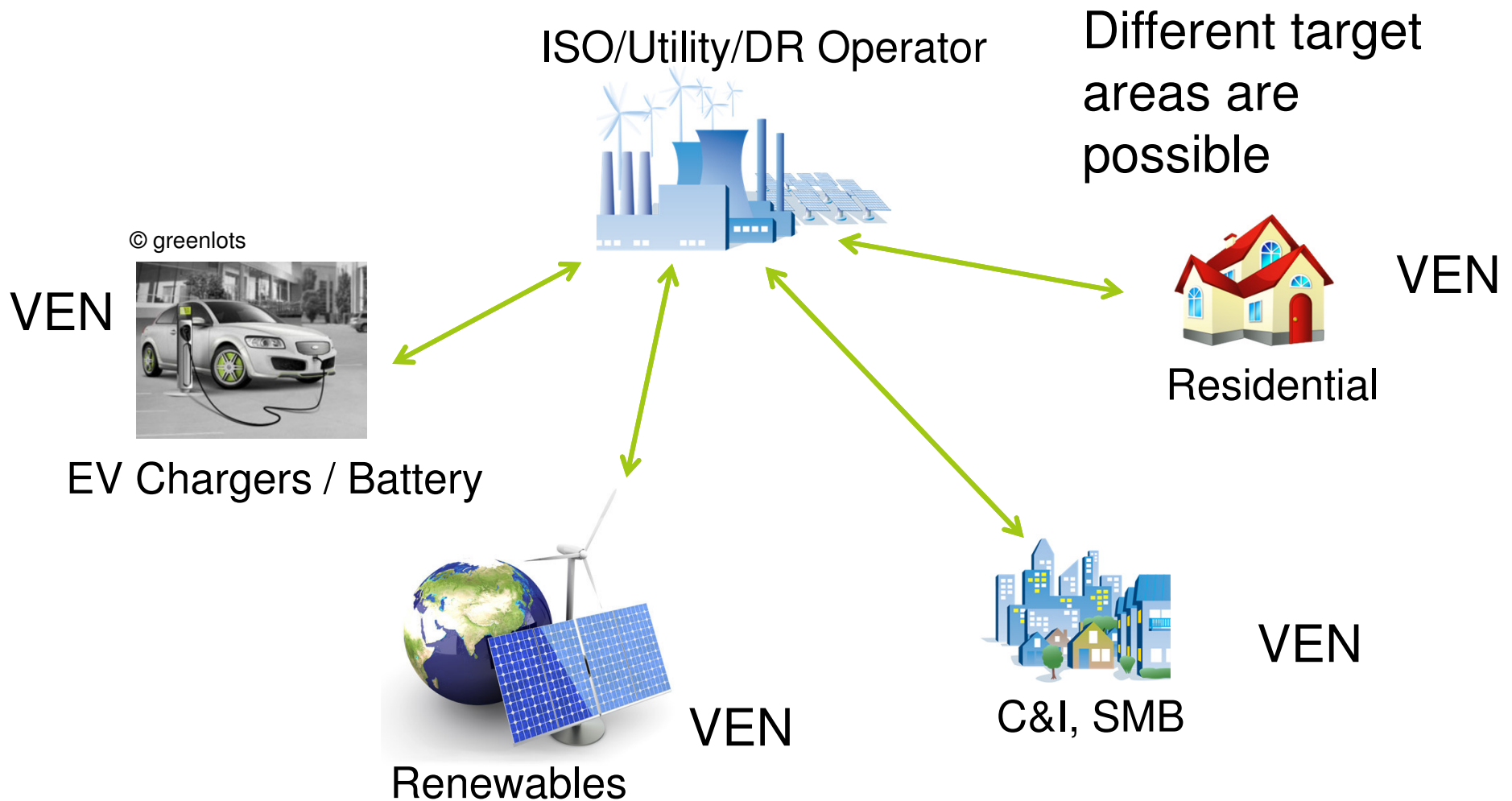
ISO/Utility/DR Operator



A utility or other Demand Response operator wants to control the usage or energy price of the connected consumers

- To flatten peaks in demand
- To stabilize the grid because of fluctuating supply (e.g. renewables)
- To control prices

What is OpenADR?



What is OpenADR?

ISO/Utility/DR Operator



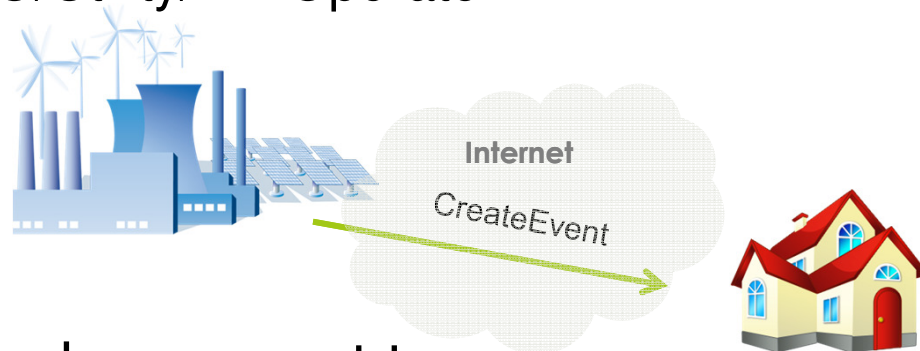
Residential

Example: Residential
Controlled loads e.g:

- HVAC (thermostats)
- (Water) Heaters
- Pool pumps

What is OpenADR?

ISO/Utility/DR Operator

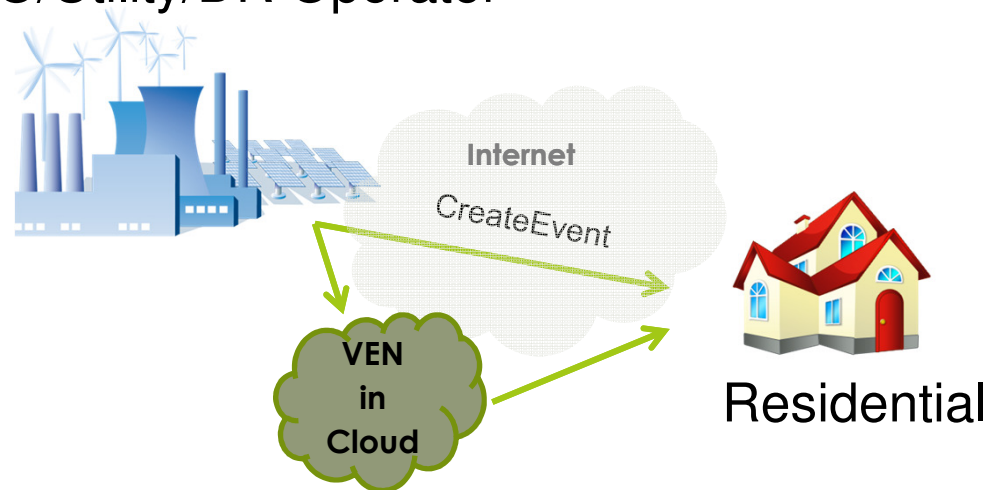


Residential

1. Operator sends an event to the building
 - to shed load
 - a price signal
 - a combination
 - or a specific command like a temperature offset

What is OpenADR?

ISO/Utility/DR Operator



The connection can go straight to the building or through an OpenADR client in the cloud

What is OpenADR?

ISO/Utility/DR Operator



Internet
CreatedEvent



Residential

2. The resource opts in or out
sending a response back to
the operator

What is OpenADR?

ISO/Utility/DR Operator



Internet
CreatedReport

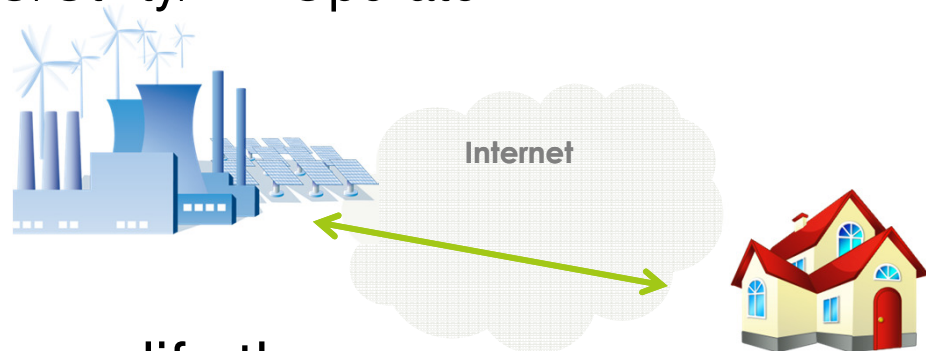


Residential

3. The resource can provide feedback in form of pre-negotiated reports

What is OpenADR?

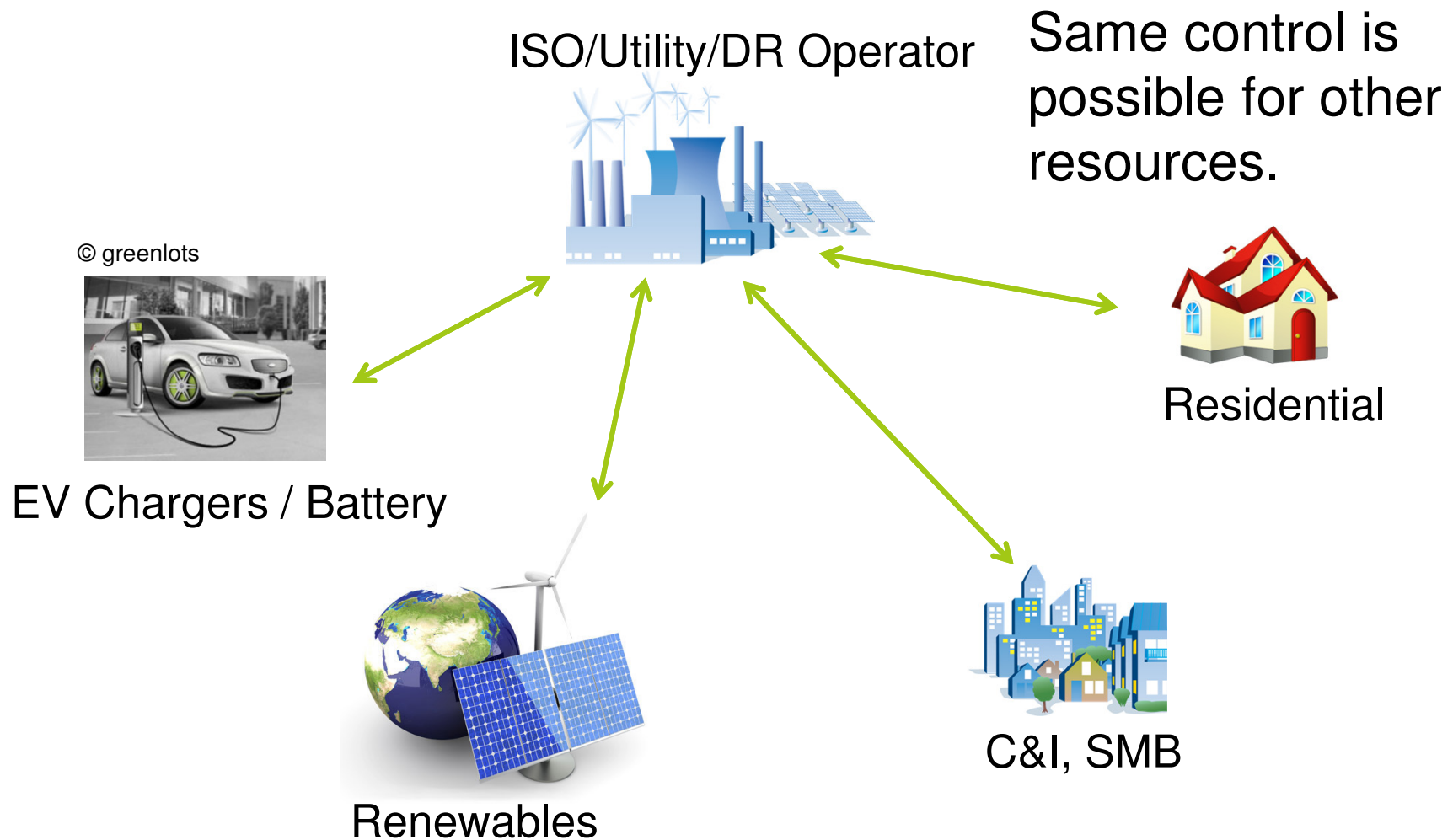
ISO/Utility/DR Operator



4. Operator can modify the events at any point. Events and intervals can be short (seconds) to very long (days)

Resources can at anytime opt in or opt out (depending on the contract)

What is OpenADR?



What is the OpenADR Alliance?

Vision: Facilitate the global deployment of OpenADR to reduce the cost of supplying and consuming electricity, while improving energy reliability and reducing environmental impact.

- California based nonprofit 501(c)(6) corporation
- Member based organization comprised of over 130 industry stakeholders
- Leverages Smart Grid related standards from OASIS, IEC, UCA and NAESB
- Supports development, testing, and deployment of commercial OpenADR
- Enables stakeholders to participate in automated DR, dynamic pricing, and electricity grid reliability

Why Join The OpenADR Alliance?

- Participate in the expanding market for OpenADR certified products.
- Accelerate time to market and lower development costs utilizing alliance resources.
- Early access to utility RFIs and RFPs.
- Discount on test harness and access to testing services.
- Company logo and product listing on alliance website.
- Participate in marketing and PR opportunities.
- Discounts at conferences and industry events.

See us at the booth for more info or
visit one of our members at the show.

