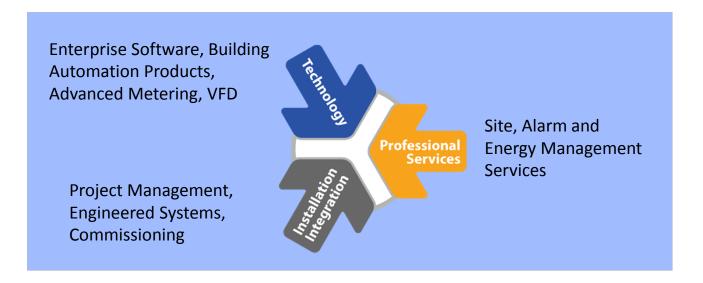
A little about Novar...

- Honeywell business focused exclusively on providing comprehensive energy management and building automation solutions to centrally managed multi-site enterprises
- > Founded in 1964, based in Independence, OH, acquired by Honeywell in 2004
- Direct-to-customer business model with vertically integrated technology, installation & service offerings
- Strong commitment to backward compatibility and continued support for legacy technology



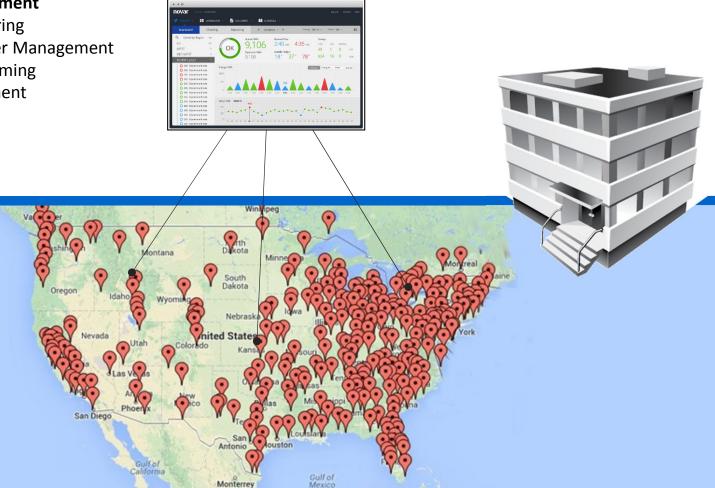
novar

Enterprise Software Application

HQ Level

Enterprise Management

- Remote Monitoring
- Global Parameter Management
- System Programming
- Alarm Management
- Reporting
- Analytics



Havana

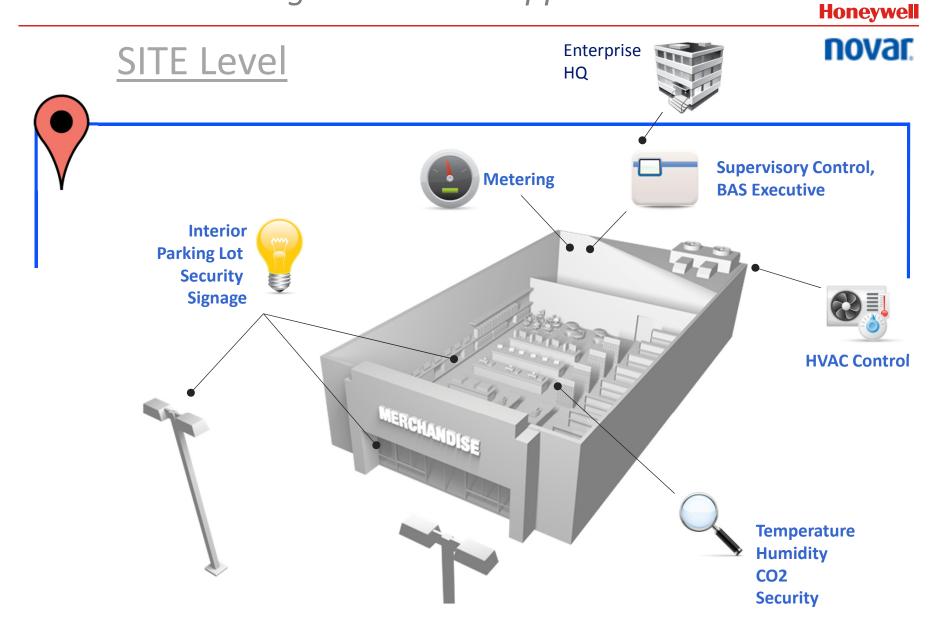
Monterrey

Centro 9

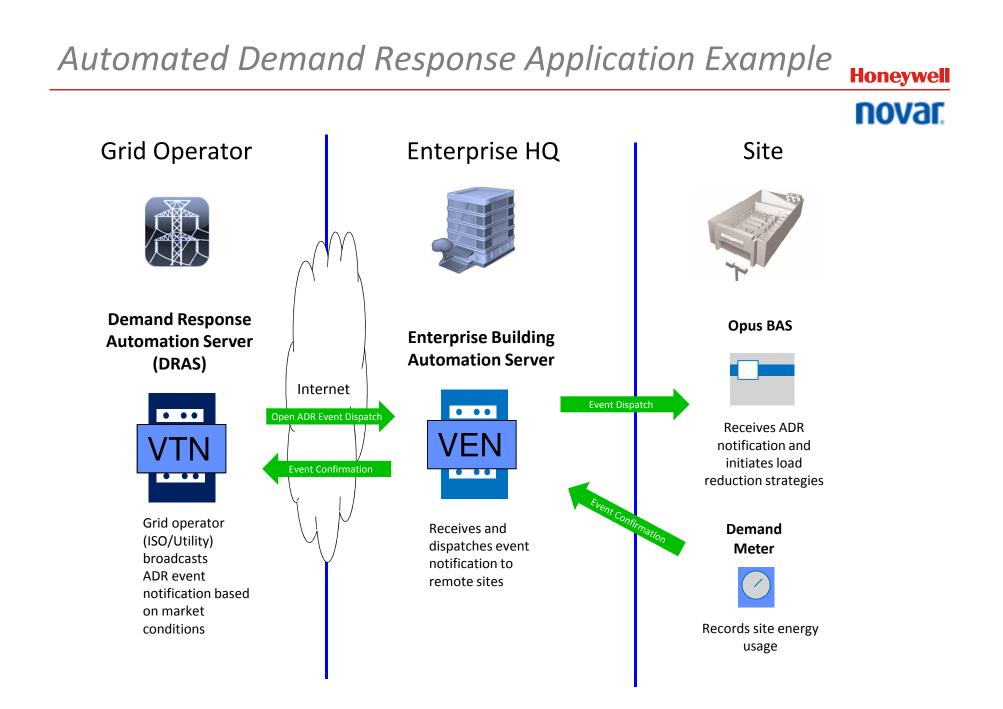
Honeywell

novar

Site Level Building Automation Application



Automated Demand Response Application Example Honeywell novar **Grid Operator** Enterprise HQ Site **Demand Response Opus BAS Enterprise Building Automation Server Automation Server** (DRAS) Event Dispatch Open ADR Event Dispatch • • • • • • **Receives ADR** notification and Internet • • • • • • initiates load • • • • • • reduction strategies **Event Confirmation** Event Confirmation Grid operator **Receives and** Demand (ISO/Utility) dispatches event Meter broadcasts notification to ADR event remote sites notification based on market Records site energy conditions usage





Honeywell



- Cooling or heating setpoint reset
- HVAC unit load rotation
- Cooling or heating stage limit for multistage package HVAC units



- Turn off non-essential lighting
- Dim lighting



Switch in back-up generation

<u>Technology</u>

- Event propagation latency
- Customer security requirements
- Site control strategy effectiveness (maximum load drop with minimum impact to occupant comfort and safety)
- Reliability of site resources
- Meter accuracy

<u>Market</u>

- Legacy technology
- Concern about occupant comfort, business impact
- Reluctance to accept automated demand response

Honeywell

novar