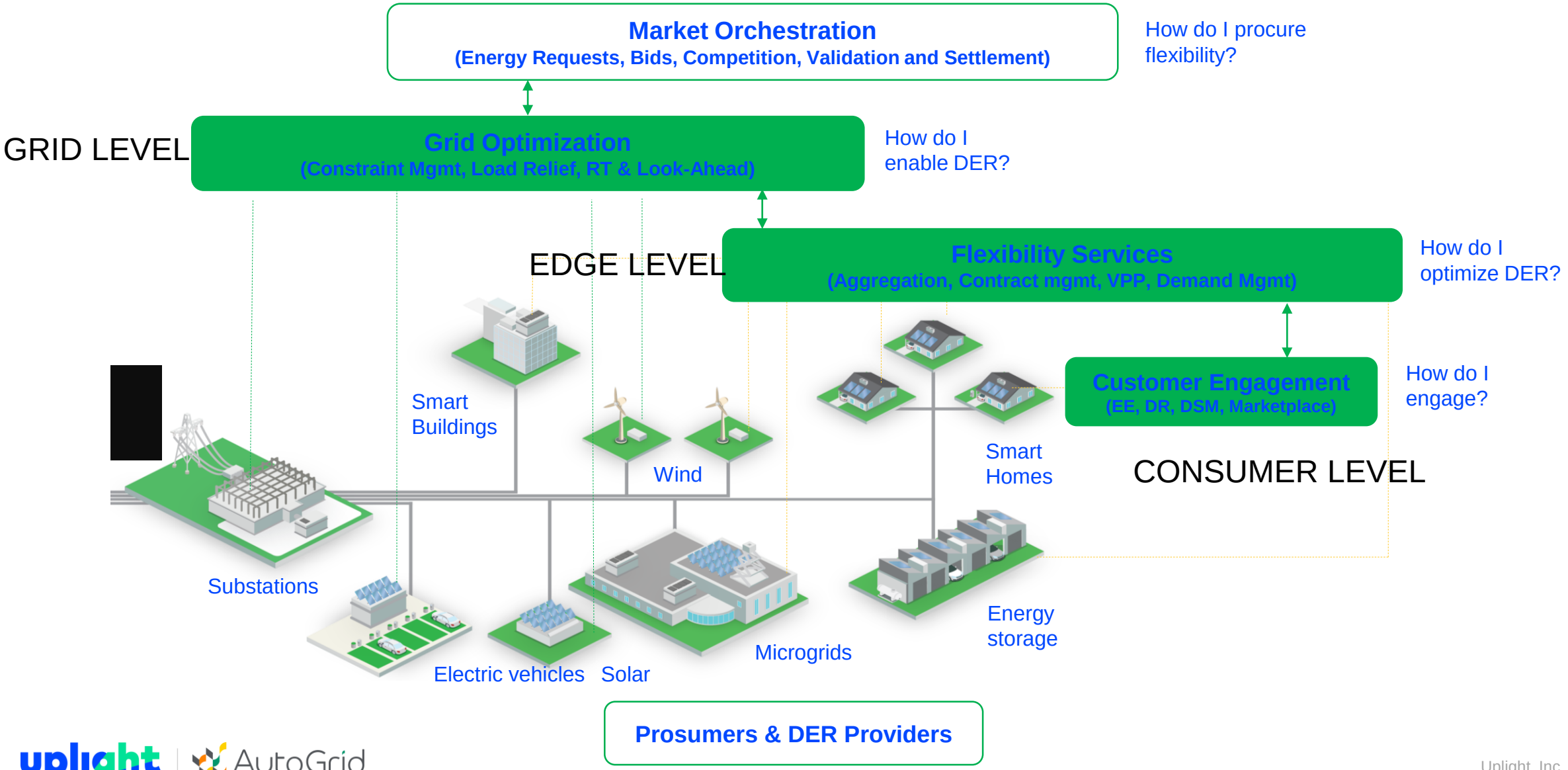
Managing the evolving complexity of energy value chain



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Grid to Prosumer

*End-to-end 'Grid Optimization' solution that **connects all stakeholders** in the evolving energy landscape. Implements new ways to **optimize supply and demand**, at every level.*

*Supports the growth of **DERs, microgrids, energy communities,** and other flexibility resources through **optimized orchestration** across the lifecycle.*

DER Grid Planning	Grid Optimization	Demand Response	Fleet & Site Optimization	DER Monetization
Hosting Capacity N/w level forecasting Non-wire alternatives	Situational Awareness Constraint Mgmt RT & Look Ahead	Residential C&I Automated Behavioral	EV Fleet Mgmt Solar & Storage Microgrids	Renewable Trading DER Trading Virtual PPAs

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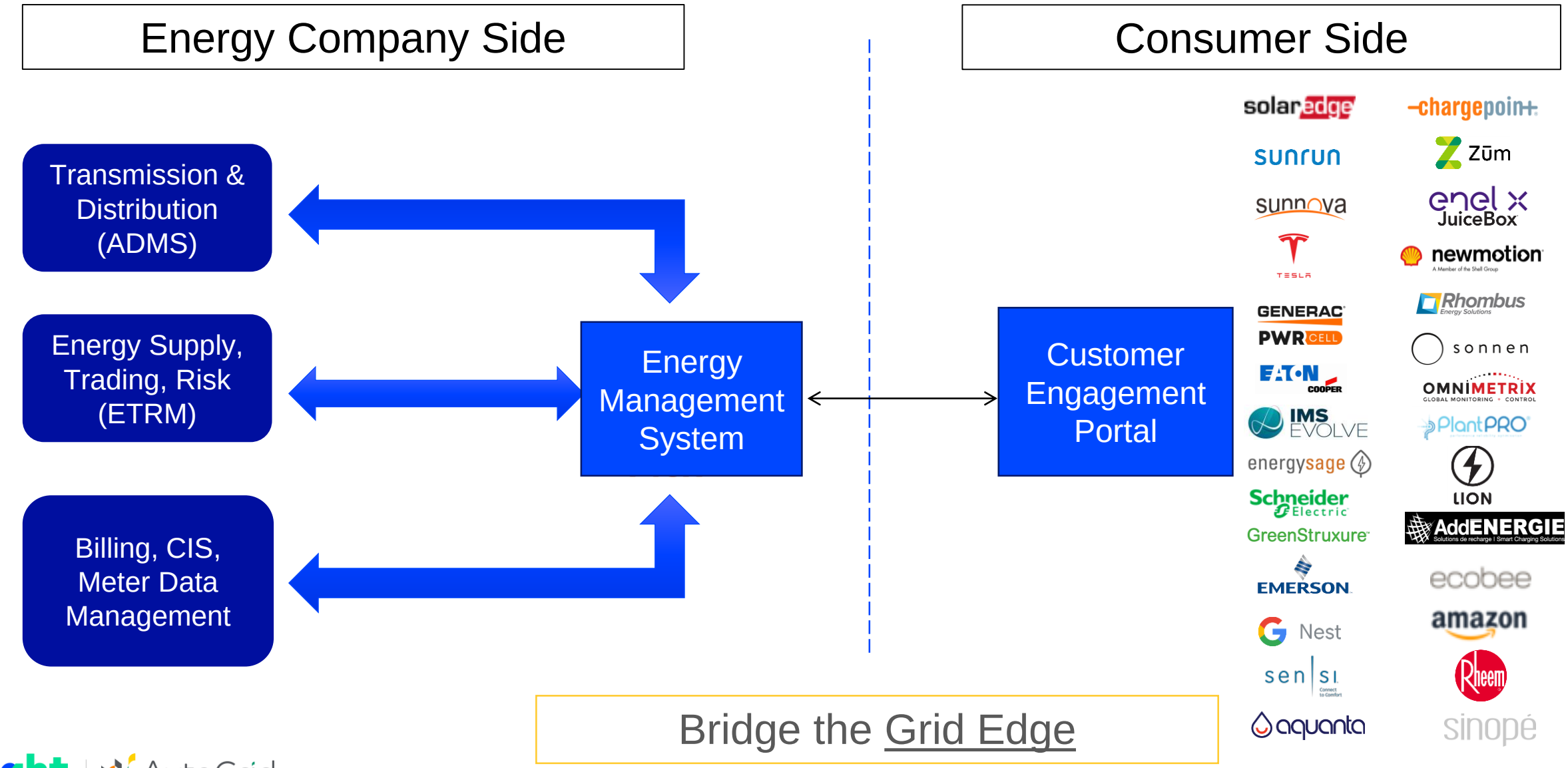
Gap Between Energy Companies and their Customers



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Grid to Prosumer – Comprehensive DERMS

Increasing grid flexibility and maximizing DER integration

Grid Optimization

- Grid awareness
- Utility scale DER mgmt
- Active Network Management
- Operations & planning

EcoStruxure™ ADMS/DERMS

Flexibility Services & Prosumer Engagement

AutoGrid Flex™

- Program Design
- Customer Acquisition
- Enrollment Infrastructure
- Notification & Dispatch
- Measurement & Verification

Integrations

- GIS
- Billing, Customer Information, Meter Data Management (CIS, CRM, MDM)
- Energy Supply, Trading, Risk

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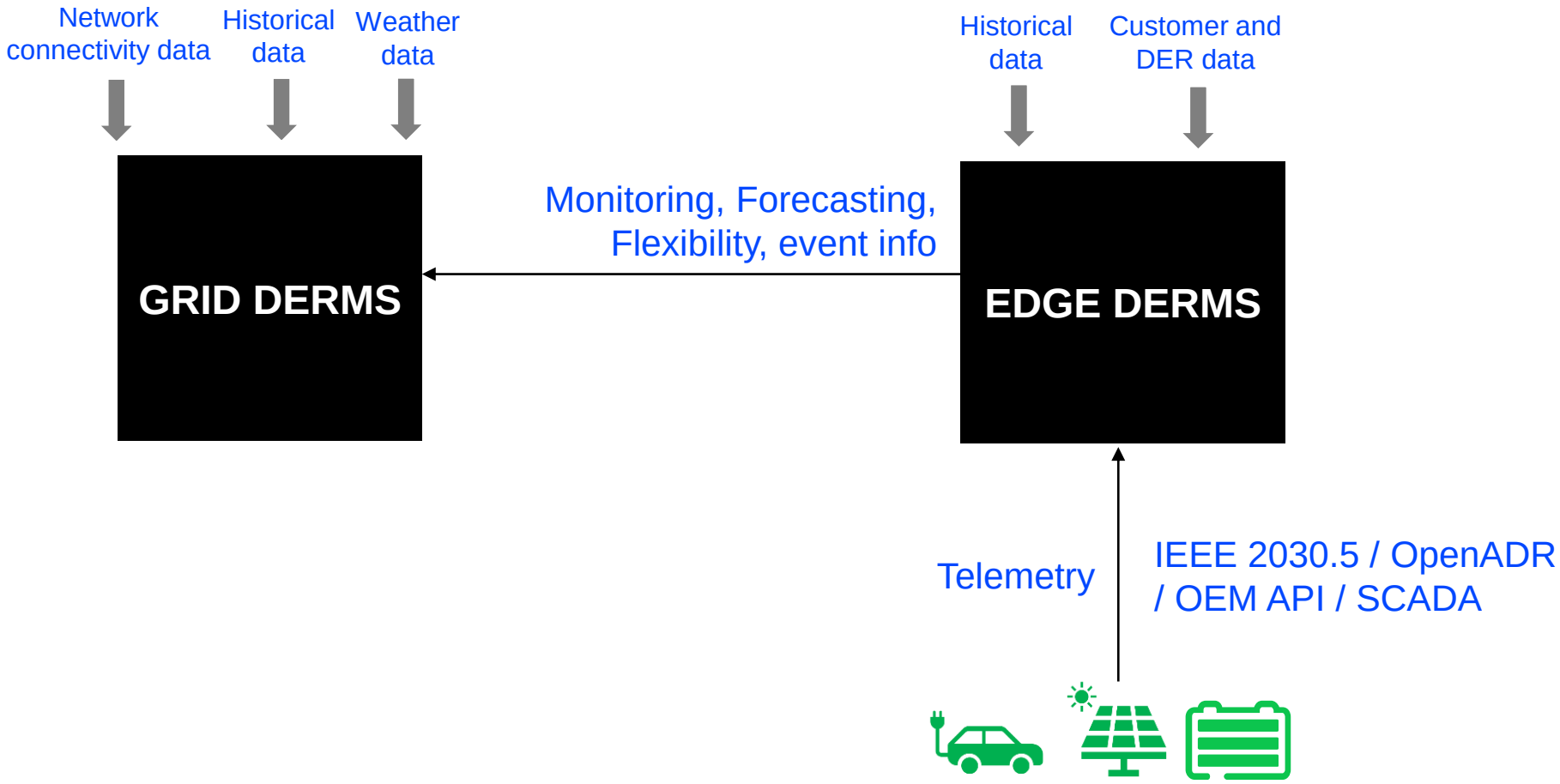
Situational awareness from ADMS-DERMS



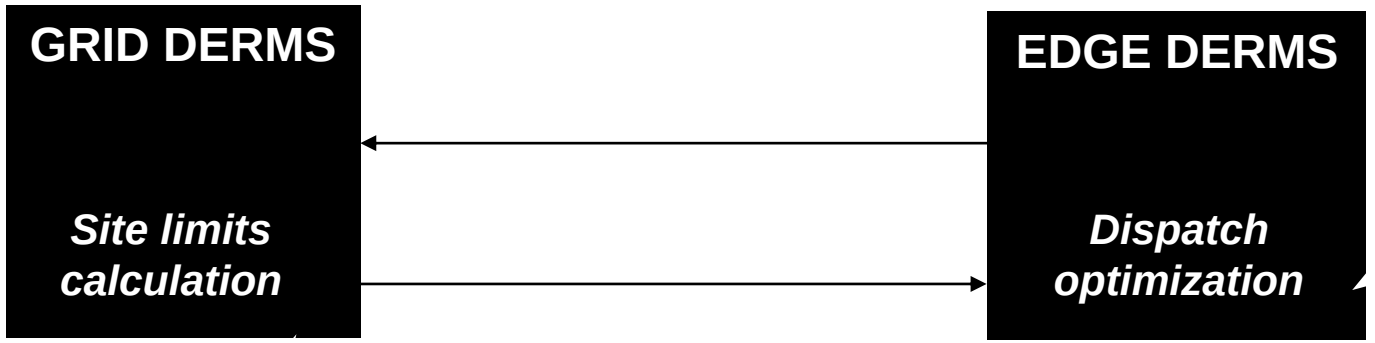
Better informed decisions thanks to enhanced DER visibility

Service new large loads / interconnections

Detect feeder loading capacity constraints

Re-calculate site operating limits

Determine dynamic site limit



Optimize customer assets to adhere to site load/export limits

Site limits will be an envelope on import and export limits

Grid optimization through targeted constraint management

Considers available DER flexibility to manage system level demand

GRID DERMS

Watt flexibility

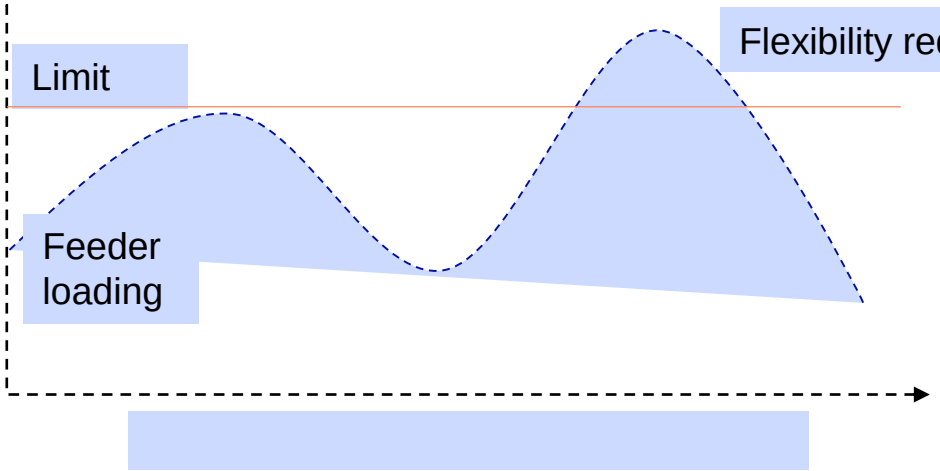
Monitoring, Forecasting, Flexibility, event info

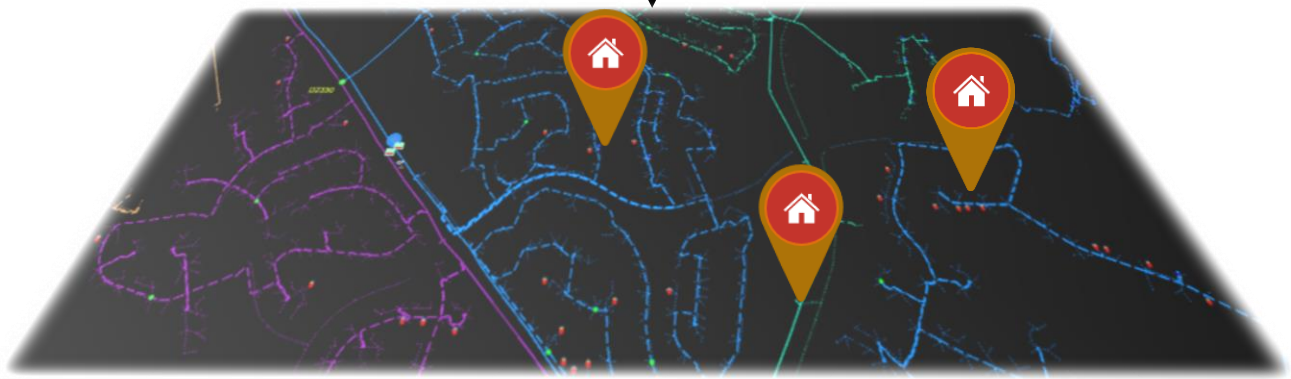
Request for flexibility

EDGE DERMS

Dispatch optimization

Receives request for flexibility and disaggregates flexibility to resources based on availability and merit order





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