

SUSTAINABLE

Paris Agreement and the Green Deal : New European Grants and Opportunities for Co Innovation

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Life Is On

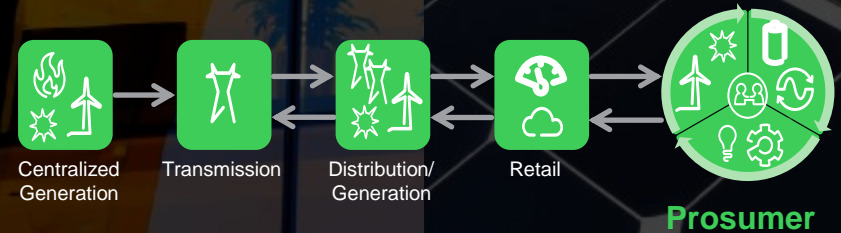
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The new decentralized Energy Landscape

Historical Energy Value Chain



New Energy Landscape



Corporate action on energy and sustainability has never been more important given our rapid need to decarbonize.

And companies are leading the energy transition, saving money and carbon as a result.



\$3.5B

2016 savings F500 companies realized from emission-reducing projects



67%

Percent higher return-on-equity for companies that address climate change

Horizon Europe



The New Electric World is already here

The Lidl Case



Customer needs

- Solar Energy
- Microgrid
- Storage
- Heat Management
- Power Management



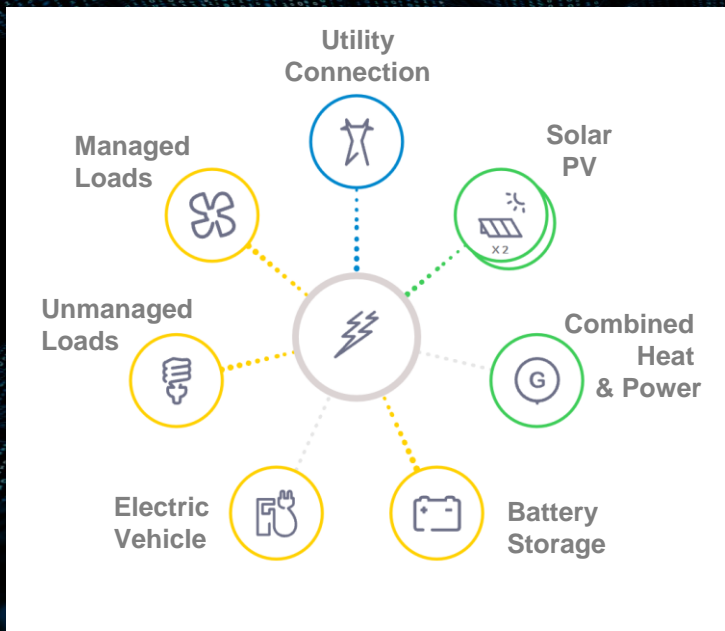
A building that uses 100% renewable with solar panels

CO₂ Reduction goal: 40%
Energy efficiency: 30%

Active demand response management

System Efficiency

Policies should cover all dimensions



Cost

- Lower / More Predictable Energy Costs
- Energy / Fuel Source Arbitrage
- Flexibility drives savings / incremental revenue



Sustainability

- Reduced carbon footprint
- Improved brand image
- Attract / Service carbon sensitive customers



Citizen acceptance

- Energy awareness / Energy sharing
- Inclusivity in cities, associated jobs



Resilience

- Serve loads during times of grid instability
- Oasis for employees / customers – shelter in place
- Protect critical assets from poor power quality



Thank You!

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