

Look around: tomorrows smart cities are being planned and delivered today

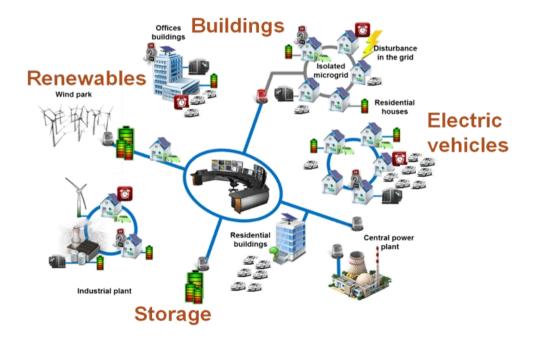
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Energy in the era of smart grids & microgrids

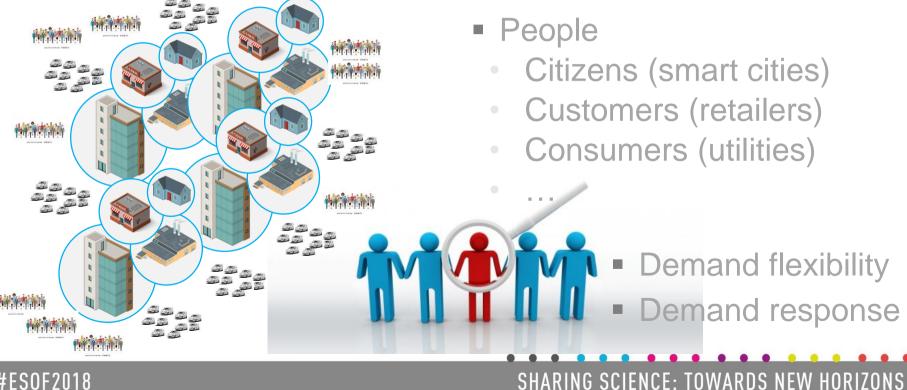


- Sustainable energy systems
 - Energy
 - Environment
 - Economy





Energy in the era of smart grids & microgrids



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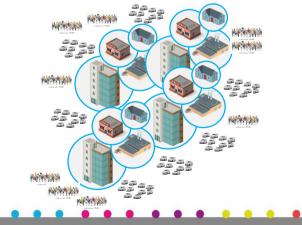


Energy in the era of smart grids & microgrids Resources and their owners/managers are connected

- Aggregation
- Third-party resources use
- Energy/resource sharing
- Transactions among neighbours



Smart energy communities



SHARING SCIENCE: TOWARDS NEW HORIZONS

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DREAM-GO approaches and contributions

- Reduce costs
- Ensure added value

DREAM-GO

Share value

How?



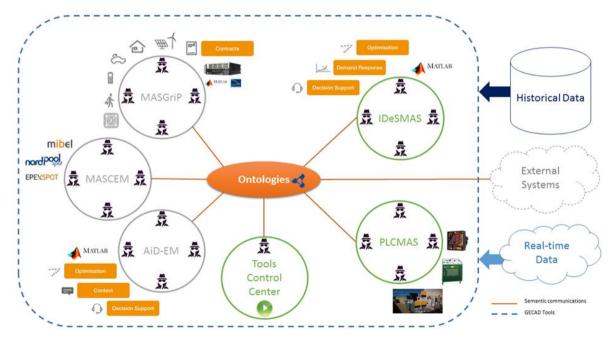
- Realistic business models to be used in practice
- Short and real-time demand response
- Demand response contracts
- Remuneration and Tariffs





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DREAM-GO approaches and contributions



AiD-EM - Adaptive Decision Support for Electricity Markets negotiations

MASCEM - Multi-Agent Simulator of Competitive Electricity Markets MASGriP - Multi-Agent Smart Grid Platform

IDeSMAS - Intelligence and Decision Support Multi-Agent System

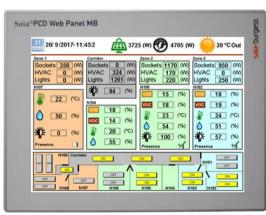
PLCMAS - Programmable Logic Control Multi-Agent System





Proof of concept and living demos





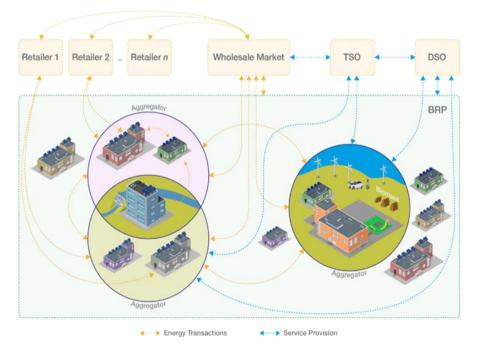


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From Smart Grids to Smart Cities



Building blocks for Smart Cities

- Building smart grids with a bottom up approach
- Enabling energy awareness
- Smart energy communities
- Local markets

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EUROSCIENCE OPEN FORUM

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