

CELSIUS Talk: Business models for district energy

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A local market place for district energy and electricity



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FOSSIL FREE ENERGY DISTRICTS

City of Gothenburg

- CELSIUS Webinar
- New business models for District Energy
- 170502

- 170502, Johanneberg Science Park, Claes Sommansson



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- A short, vertical teal bar is positioned on the left side of the slide, above the list of bullet points.
- FED creates a local market place for electricity, district heating and district cooling
 - FED supports the energy transition in EU
 - Collaboration between nine partners
 - Chalmers Campus Johanneberg as demo arena
 - FED is funded by the European Commission initiative Urban Innovative Actions
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- A short, vertical teal bar is positioned on the right side of the slide, below the list of bullet points.

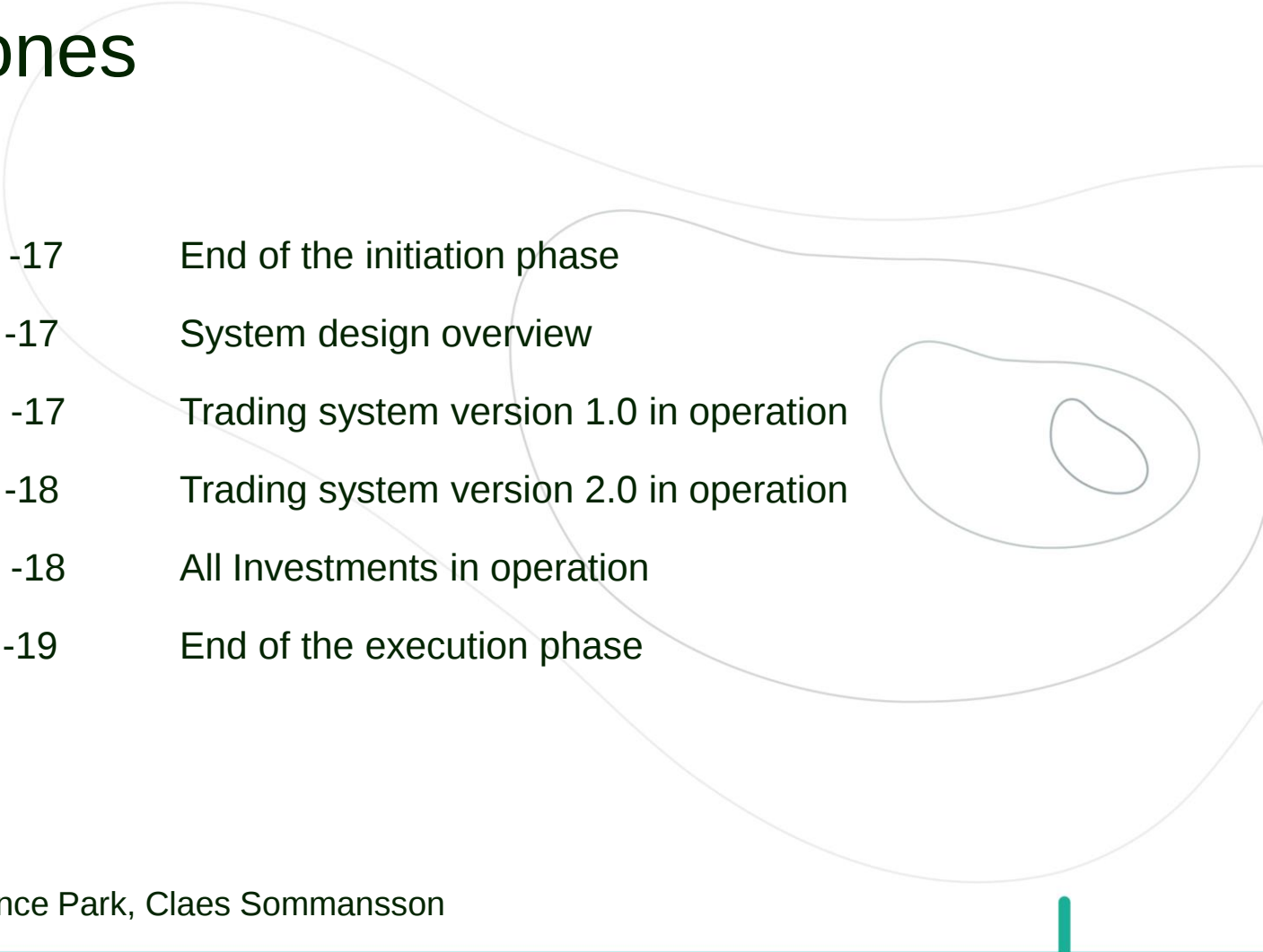
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Workpackages

- WP1 Preparation
- WP2 Project Management
- WP3 Communication
- WP4 FED System, installations and demo
- WP5 Business & Financial models, 3rd party integration
- WP6 Acceptance; Policy & Regulation
- WP7 Monitoring & Evaluation
- WP8 Investments
- WP9 Closure & Knowledge



Milestones

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1. Feb -17 End of the initiation phase
 2. Jun -17 System design overview
 3. Dec -17 Trading system version 1.0 in operation
 4. Jun -18 Trading system version 2.0 in operation
 5. Dec -18 All Investments in operation
 6. Oct -19 End of the execution phase



FED supports the energy transition in EU

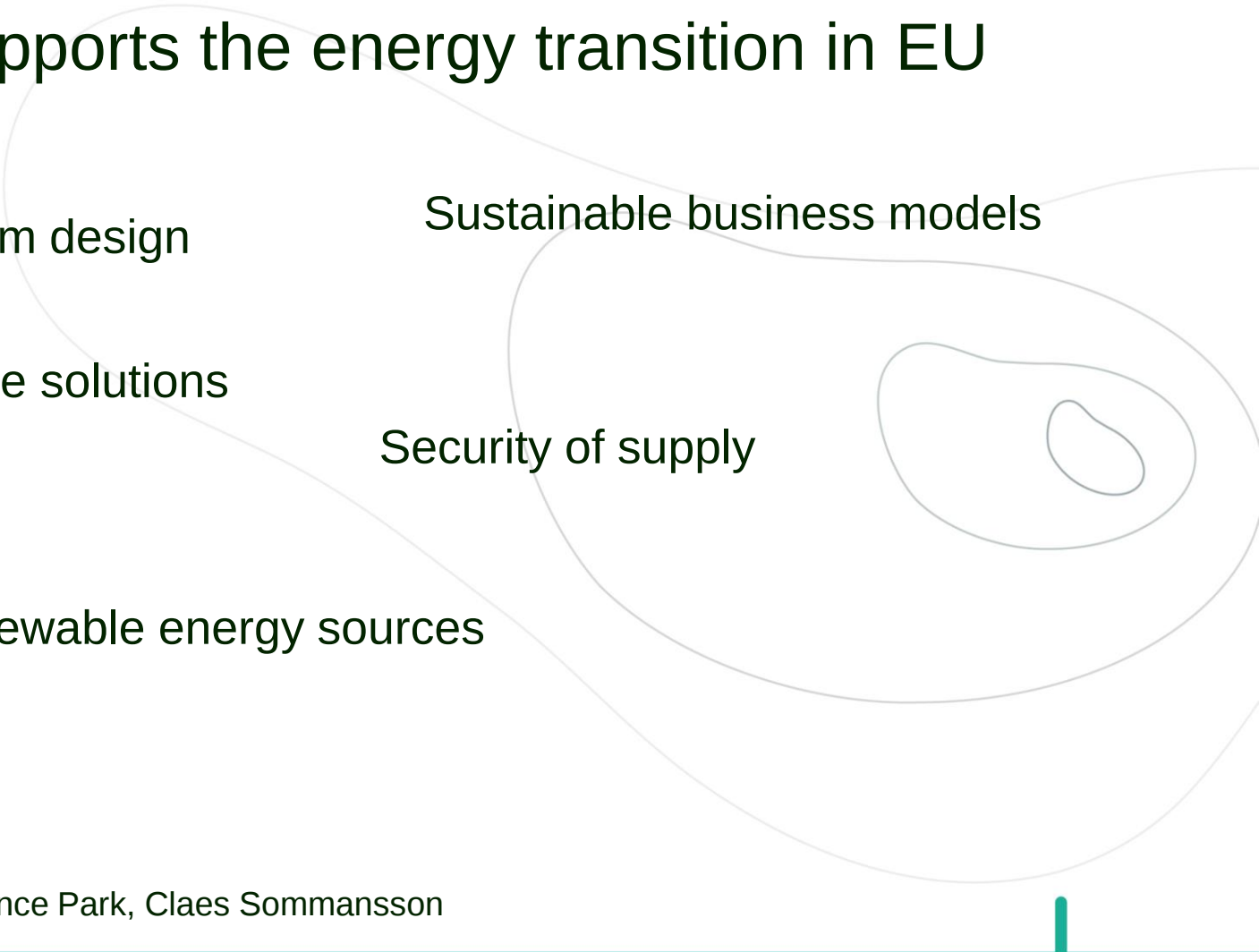
Smart system design

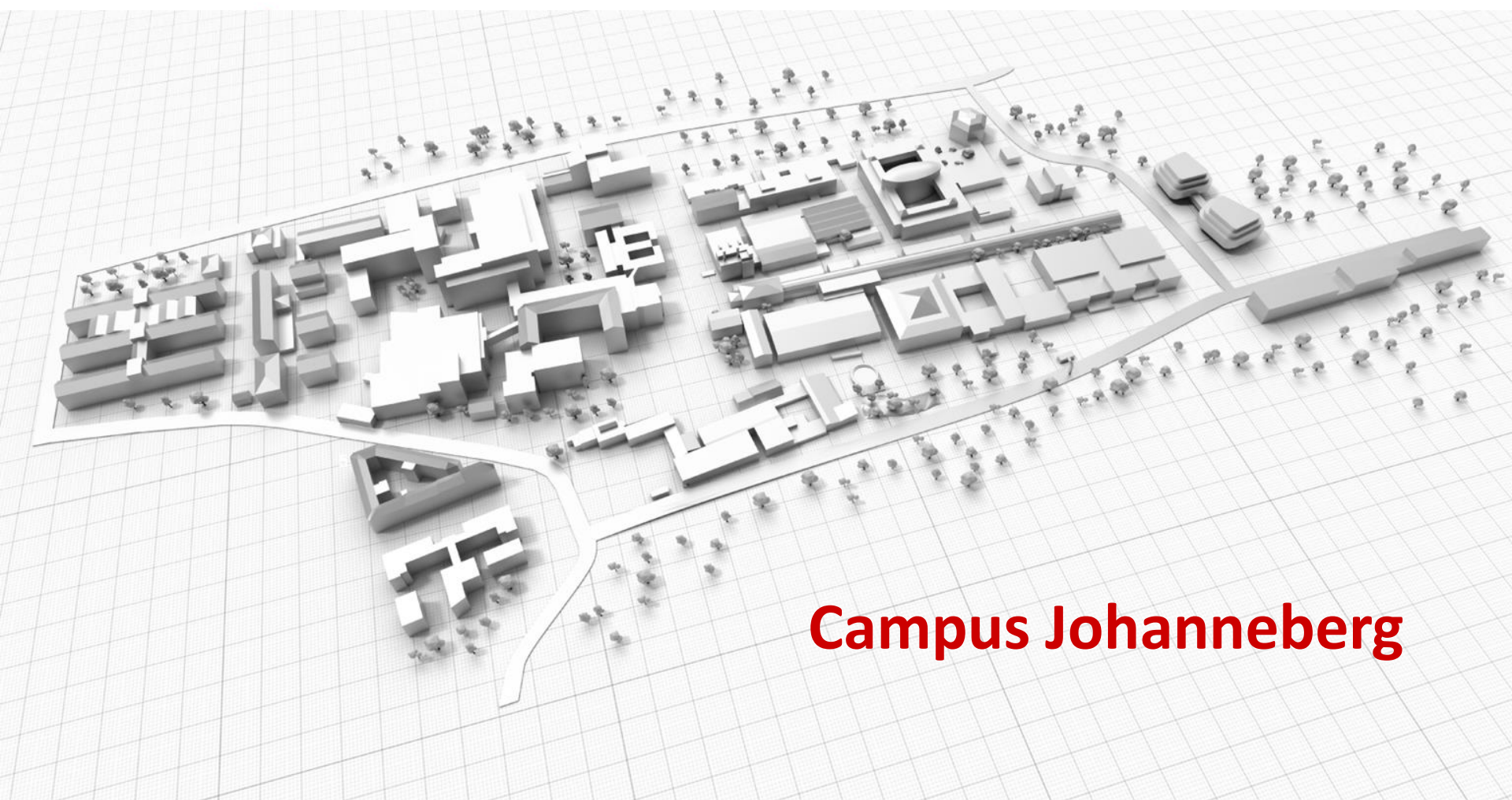
Sustainable business models

Flexible solutions

Security of supply

Renewable energy sources





Campus Johanneberg

170502, Johanneberg Science Park, Claes Sommansson



City of
Gothenburg



Johanneberg
Science Park



Project partners



AKADEMISKA HUS



BUSINESS REGION
GÖTEBORG

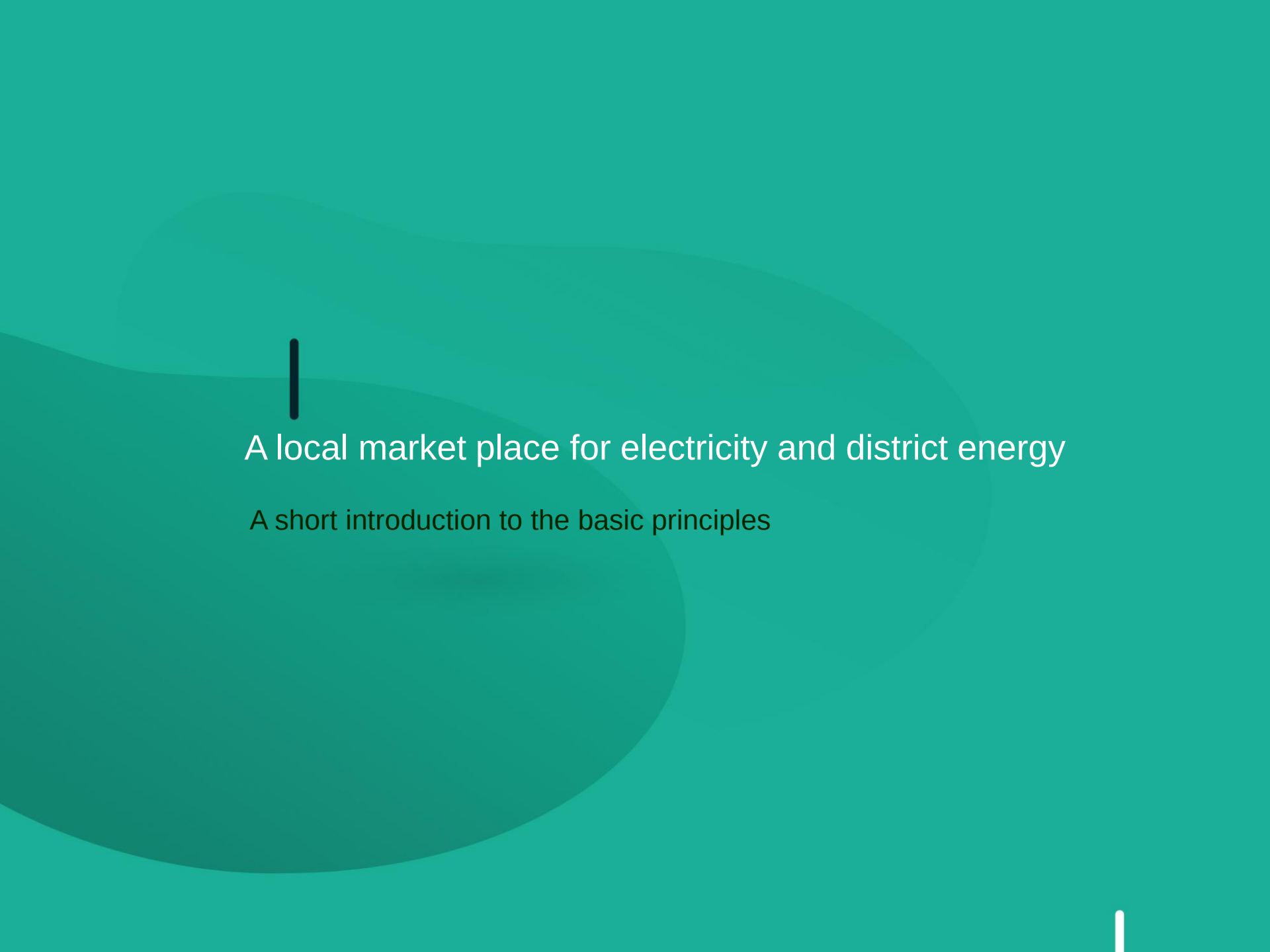


ERICSSON



CHALMERSFASTIGHETER

CHALMERS
UNIVERSITY OF TECHNOLOGY

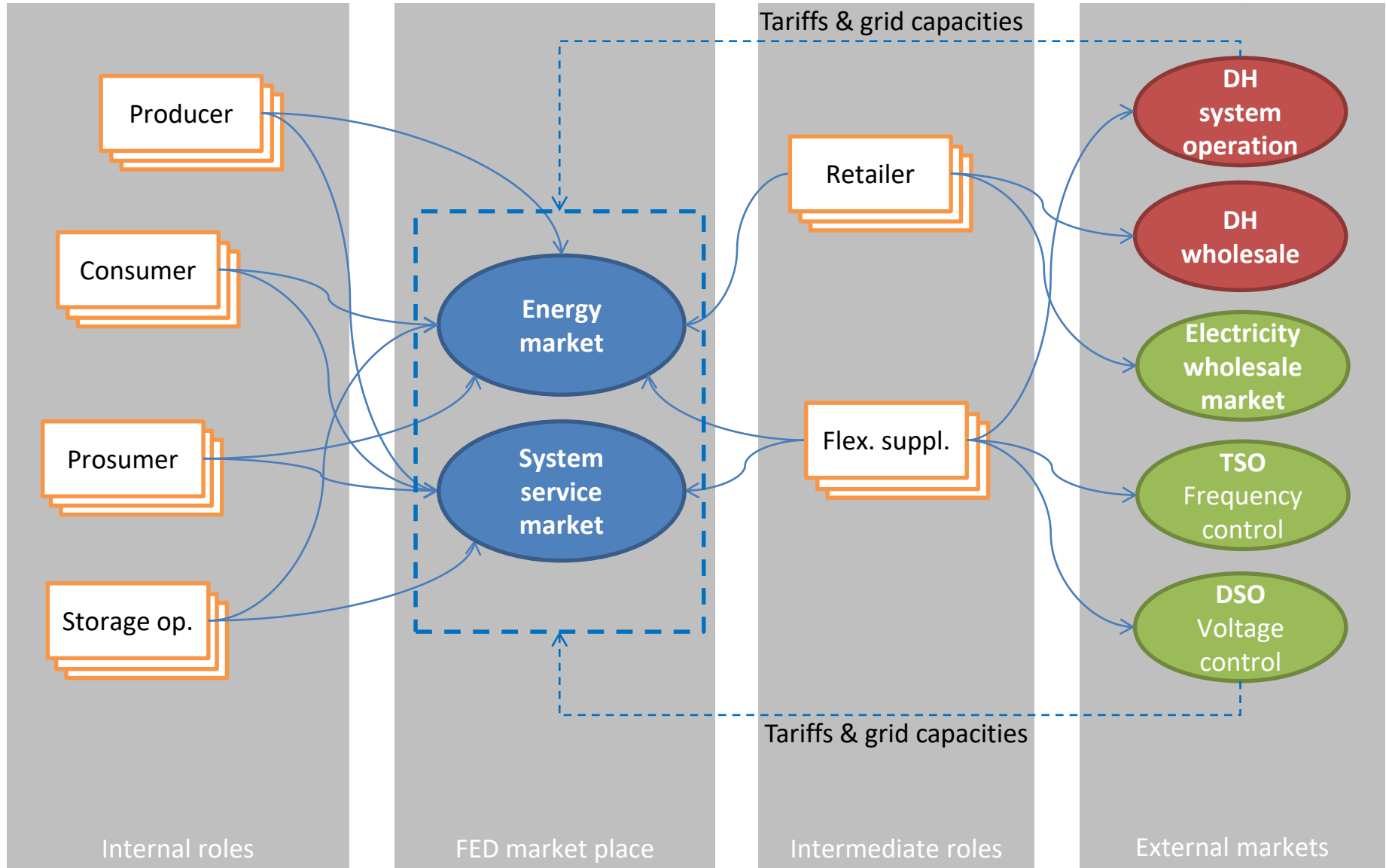
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A local market place for electricity and district energy

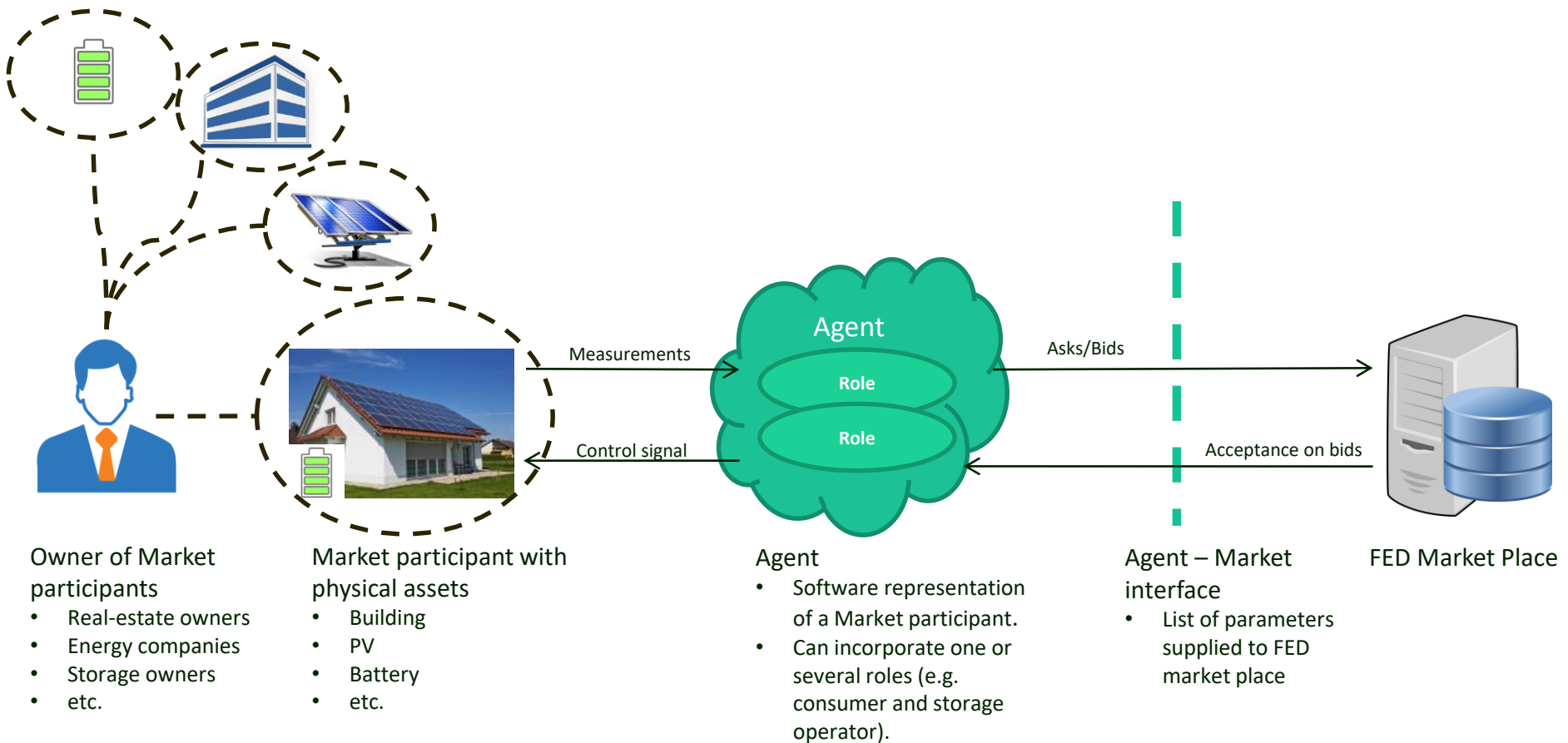
A short introduction to the basic principles

FED Local market place - Roles

Role	Description
Producer	Supplier of energy, no net consumption. E.g. PV cells, CHP.
Consumer	No generation, only consumption. E.g. building.
Storage operator	Provides flexibility in terms of moving energy in time. E.g. battery storage, demand response in buildings.
Retailer	Provides energy from external market.
Flexibility supplier	Use FED internal resources to act on external market and supply system services.



Owner, Market participant, Agent and Roles





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Thank you!

Find out more and contact information:

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