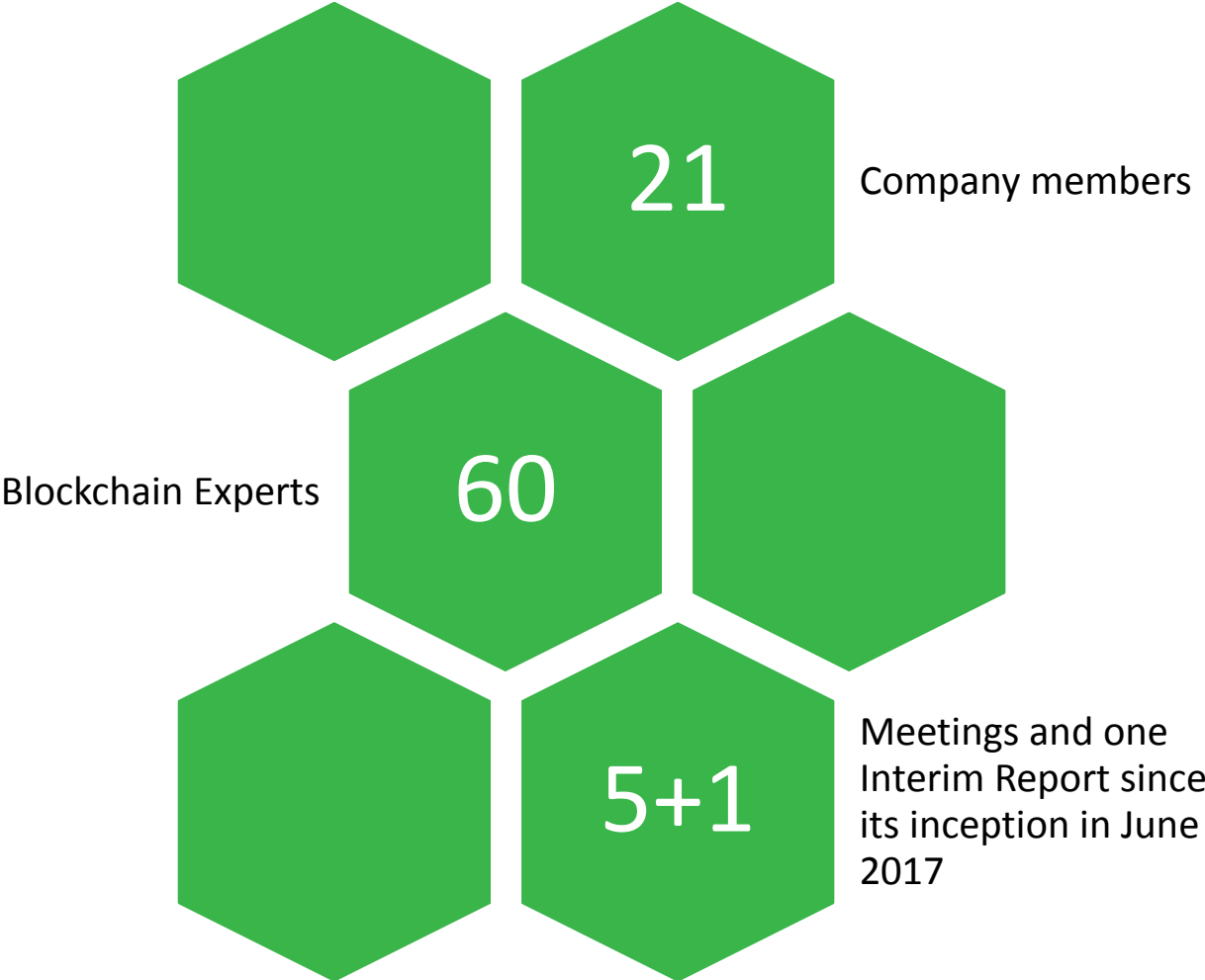


# EURELECTRIC BLOCKCHAIN DISCUSSION PLATFORM



# WHAT BLOCKCHAIN CAN DO TODAY and what it cannot do (yet)

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**Immutable and transparent  
accounting**

**Time stamping**

**Distributed / Decentralised  
information sharing**

**Enabling a transactive grid  
(digitising physical assets)**

**Over -transparency  
(cyber security, encryption  
on the blockchain requires  
other solutions)**

**Speed**

**Scale**

**Cost**

# USE CASES IN ENERGY TODAY

## Trading

- Enerchain (Ponton), Joullette by (Spectral/ Alliander), Salzburg Tenant Supply (Verbund), Conjoule
- Disintermediation of trading activities, consensus based interaction between non trusting partners
- **In the future**, when scale, speed and cost issues are resolved, an opportunity for economically attractive peer to peer interaction between end consumers coupled with physical asset management (not simple energy accounting)

## Flexibility

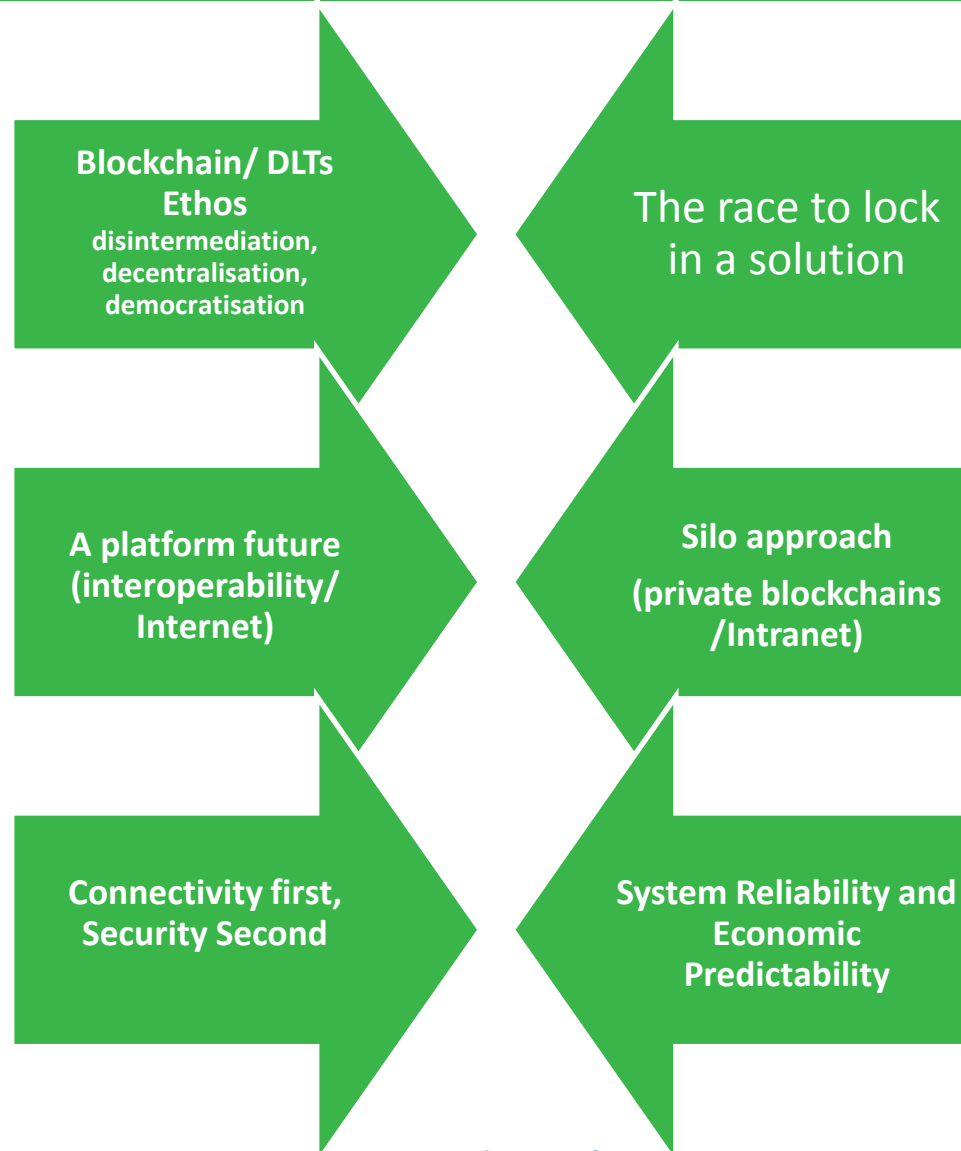
- Sonnen, 50Hz (Vattenfall), Gridchain (Ponton), Alva (Alliander)
- Transmission/Distribution Grid Services
- Enhanced RES integration
- **In the future** of a transactive grid an opportunity to use AI and machine2machine economy to control, optimise and automate grid management as well as asset maintenance

## E-mobility

- Oslo2Rome, Motionwerk
- Roaming Electricity
- Operating in regulatory vacuum (cross-border charging)
- **In the future** a multitude of potential distributed applications improving user experience and streamlining e-mobility service (charging, maintenance, toll systems)

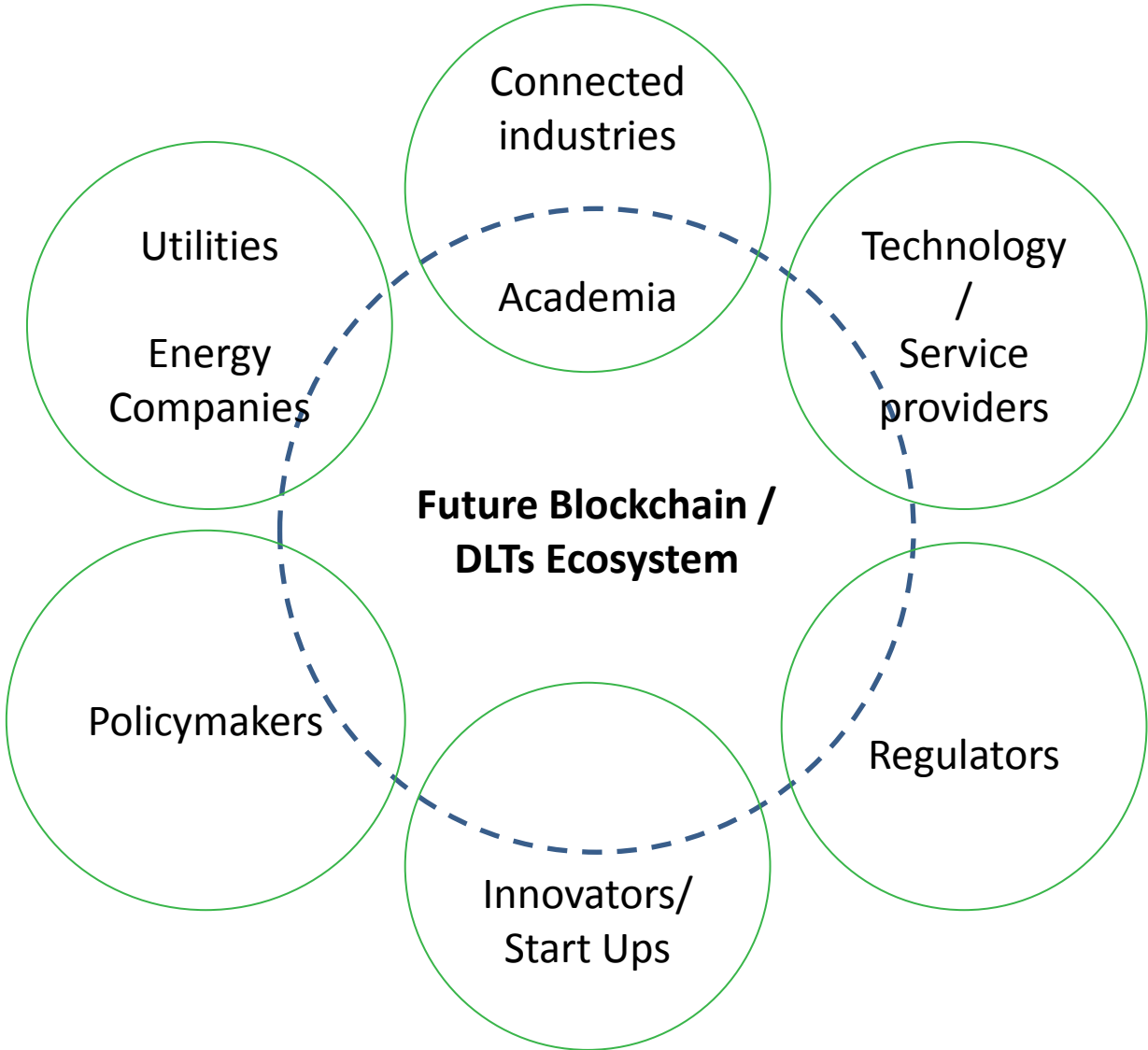
# WHILE WE PURSUE THE DIGITOPIA IN ENERGY we must keep an eye on

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# HOW TO GET THERE

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# Get in touch!

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