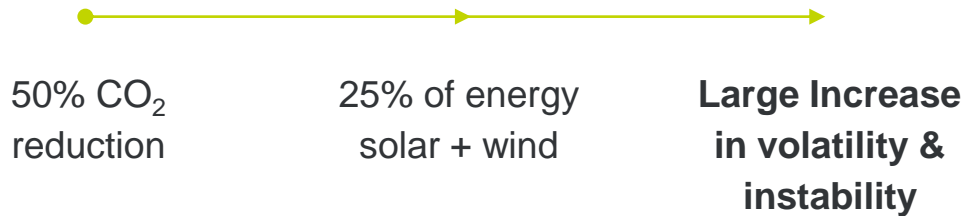


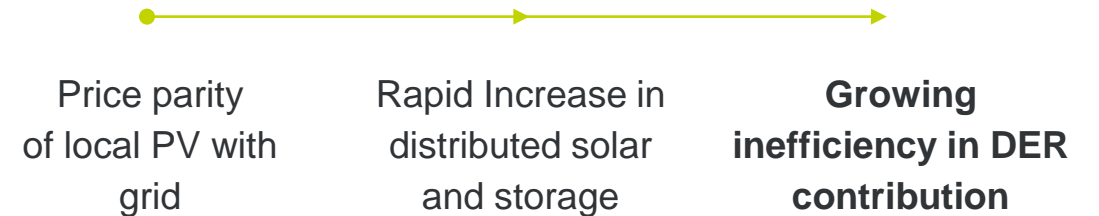


The two macro trends in the electricity industry

Decarbonisation



Decentralisation



Pressing need for a coordination layer for distributed energy

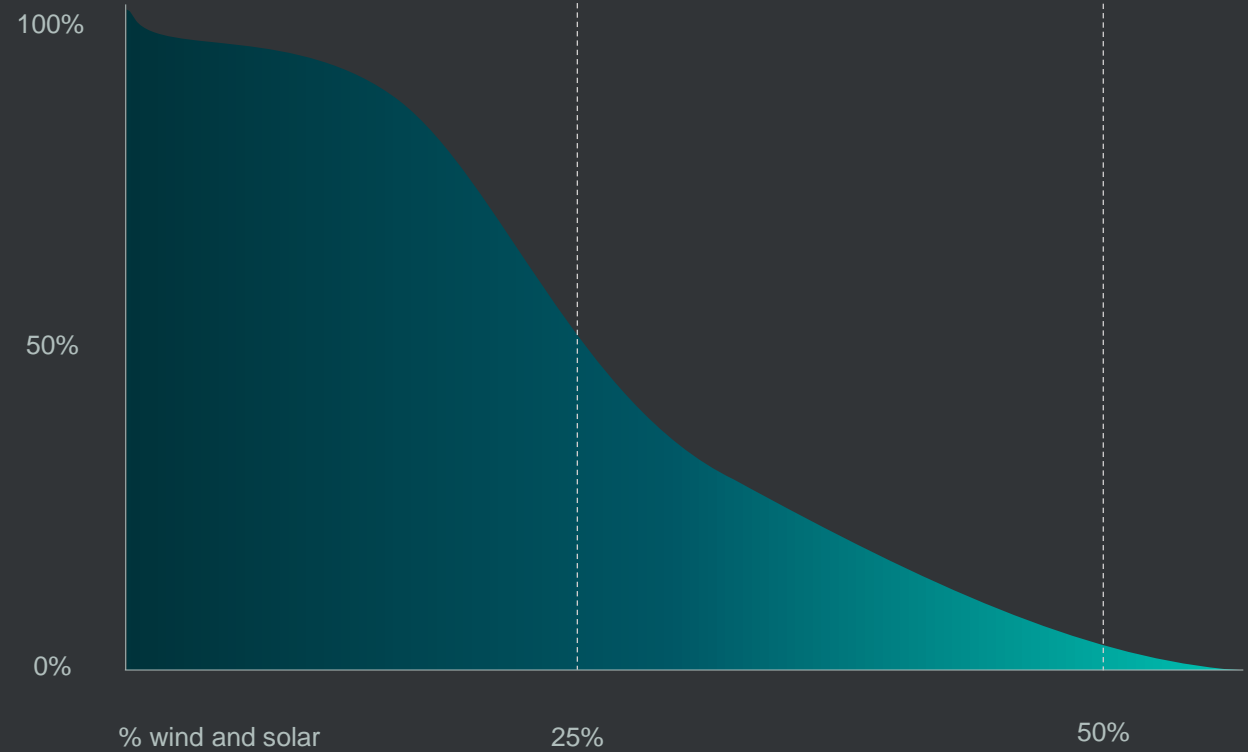
What happens if we don't have coordination of distributed energy?

\$61 trillion

in additional investment needed to reach 2050 renewable targets*

Coordination can save trillions in expenditure of the next 30 years

Distributed energy economic efficiency



A photograph of a wind farm at sunset. The sky is a mix of blue, orange, and yellow. The wind turbines are silhouetted against the sky and their lights are visible. The water in the foreground reflects the sky and the turbines.

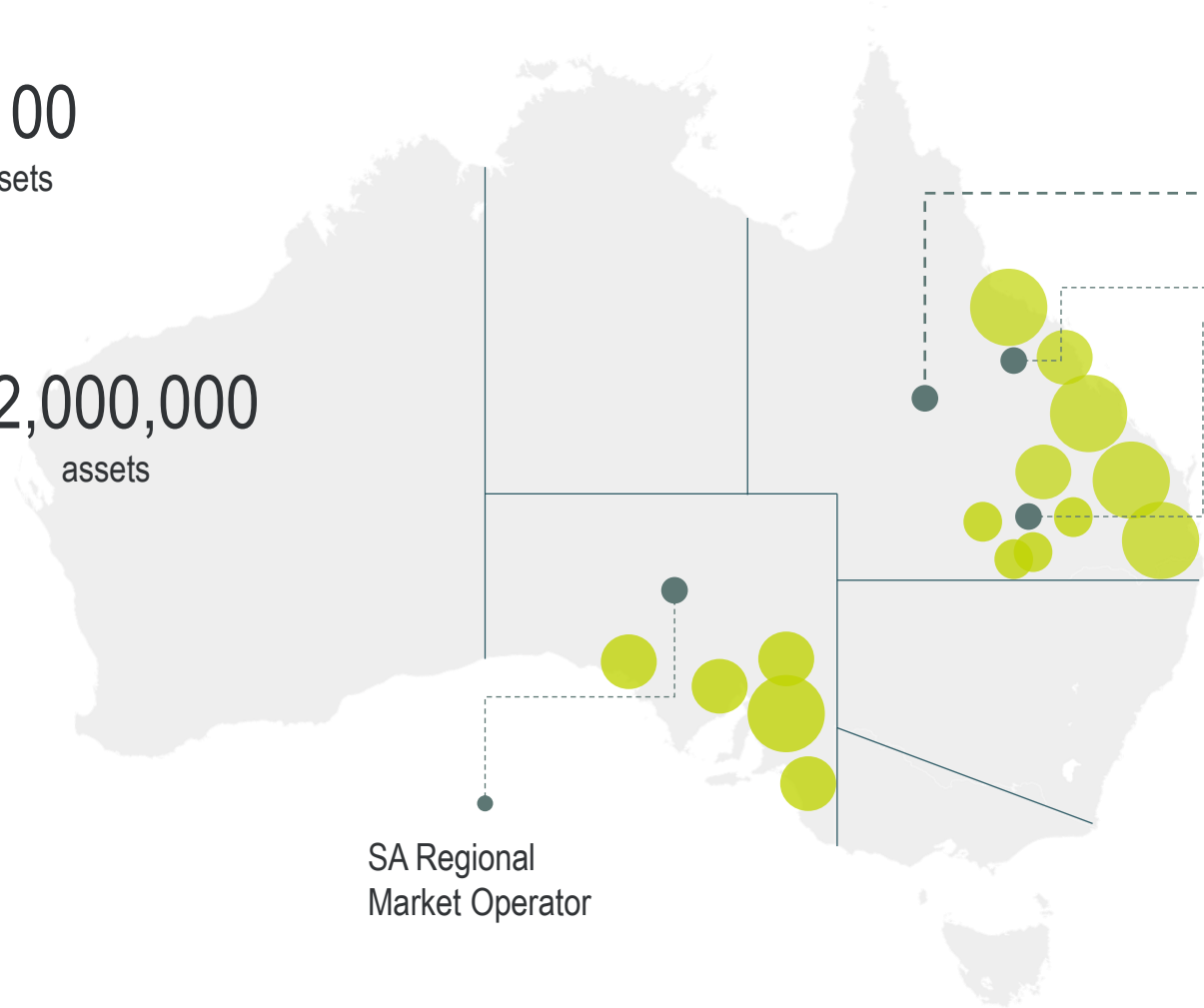
**Decentralisation changes
the ownership of our
grids.**

Developing secondary markets



~100
assets

~2,000,000
assets



QLD Regional Market Operator

Local Markets

SA Regional Market Operator

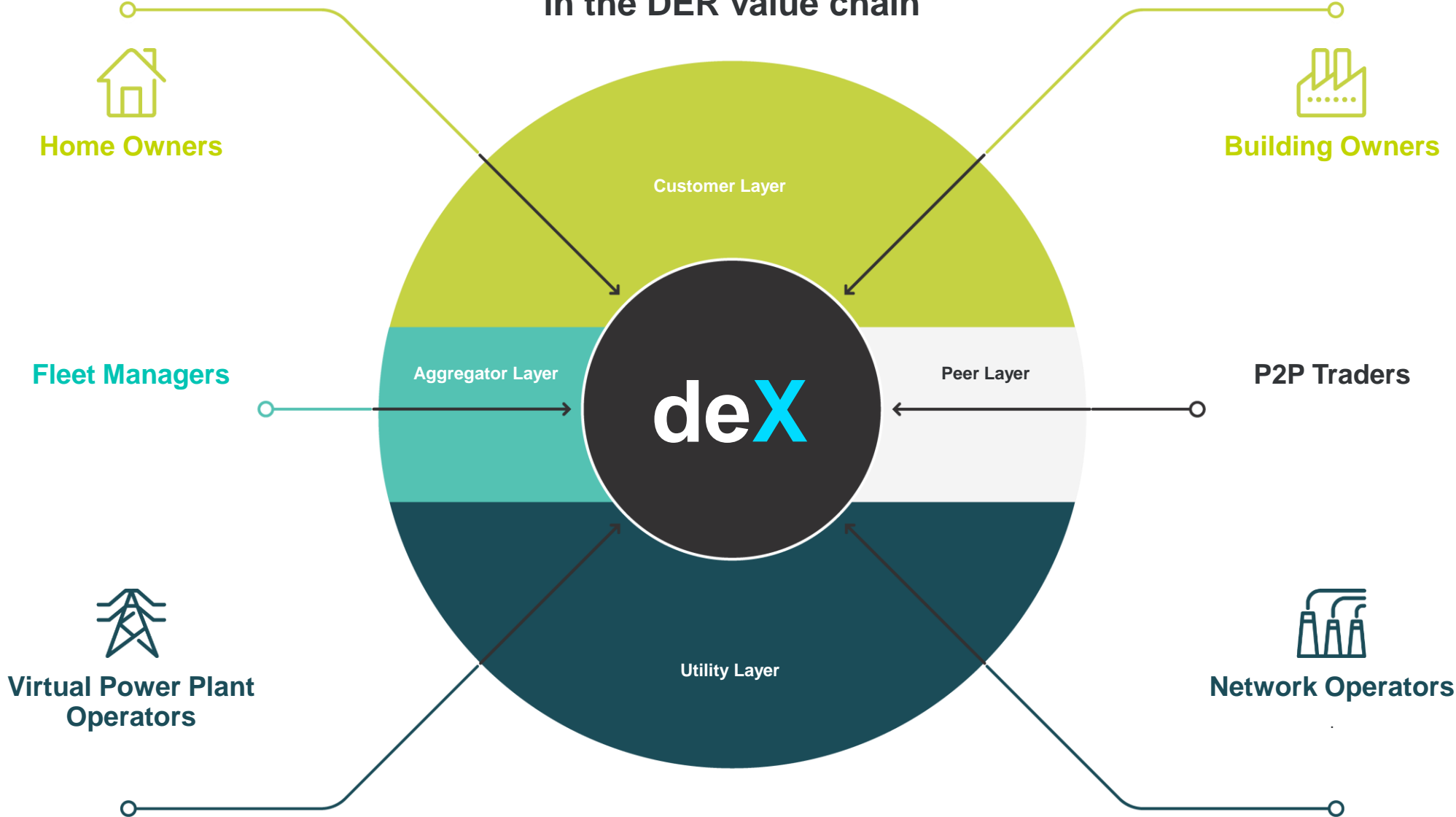


deX

Decentralised Energy Exchange

Innovating our path to a modern energy market

Optimising for interests in the DER value chain



What is deX?

deX is a **digital marketplace** for distributed energy services to be transacted between players.

deX **interfaces with the distribution grid** to enforce boundaries for safe operation.

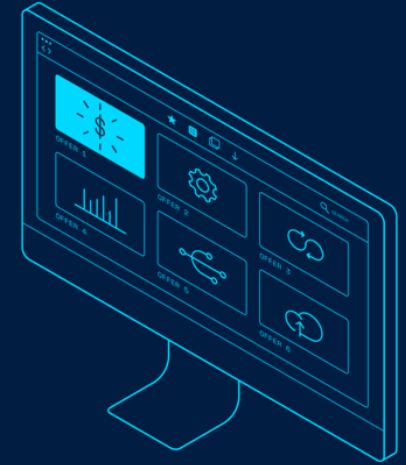
deX design features.



**Enables
physical
contracts.**



**Allows multiple
markets.**



Is digital.

deX partners & stakeholders

Electricity Networks



Electricity Retailers



Equipment Manufactures



Technology Vendors



Integrators



Installers



Peak bodies & Consulting



Policy & Regulation



Research



Example

The Queensland scenario

~9 GW demand

- Low growth (1-2%)
- Long skinny network
- ~9 GW in 2020

Rooftop solar

- 2 GW (35%) of homes
- Exploding C&I market
- 5 GW by 2025

Utility wind + solar

- 1.6 GW in construction
- 2.4 GW in approval
- Total 4 GW by 2020

We have five years to solve this
problem

Leadership

Who will move beyond the conversations?

