Battery Energy Storage Systems (BESS) … There's an App for that!

Data-driven solutions are essential for green energy infrastructure

BESS asset owner/operators need digitally-enabled **business agility** to win in the global market transformation

- A critical enabler for the shift to net zero globally is the exponential growth of **Renewable** generation capacity being deployed, now the cheapest form of power
- **BESS** is set to become clean energy's next Trillion $ industry, critical to balancing both power grids *physically* and traded markets *financially*
- The associated operational & financial **complexity** of batteries creates the necessity (and the opportunity) to harness the power of data-driven software solutions
- Rapid advances in **AI/ML** and in **digital infrastructure** are enabling these green energy infrastructure assets to be relied upon as 'the new normal' around the globe

Seismic MARKET shifts underway … as renewable asset build-out accelerates and complexity explodes

Fund manager

Asset manager

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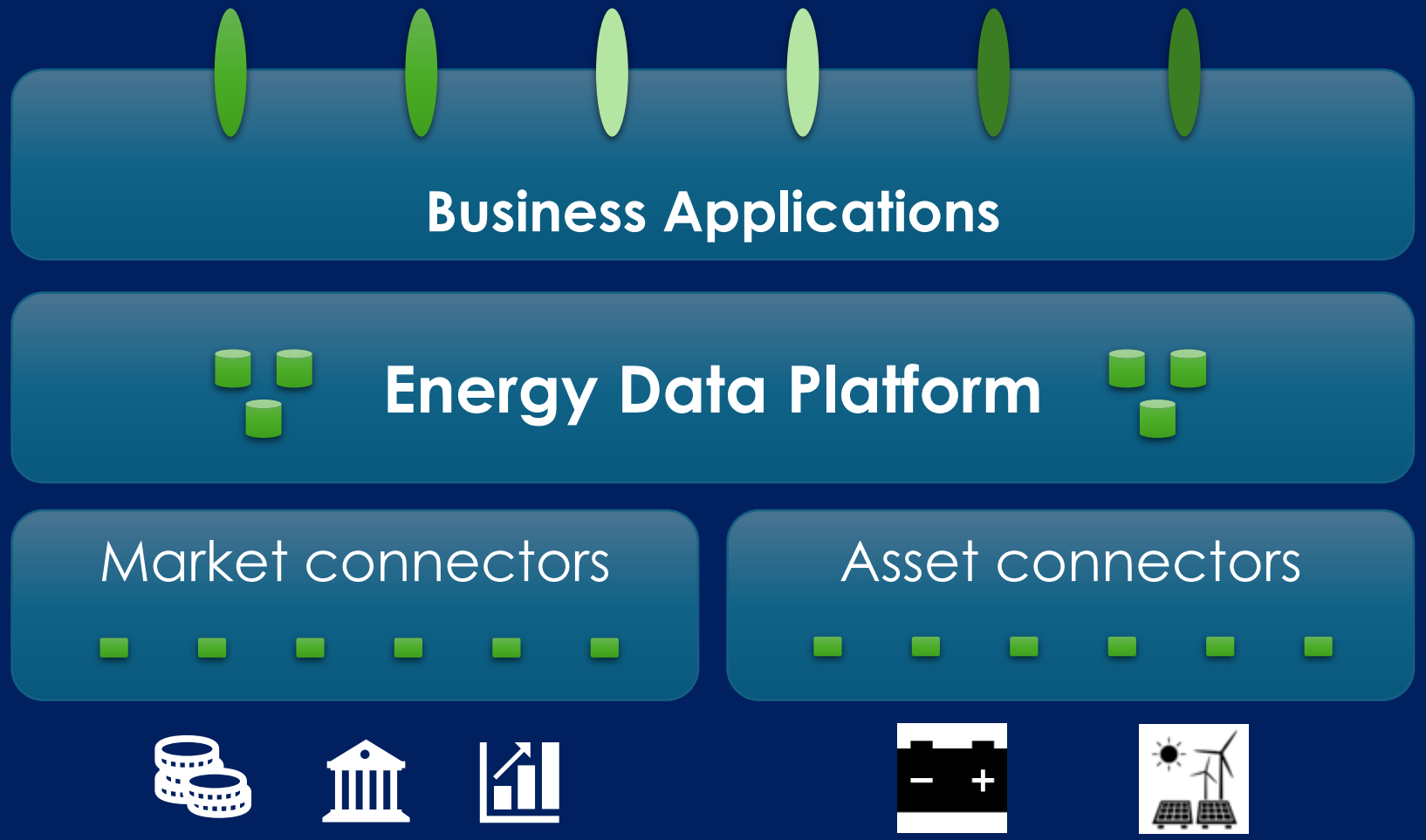
Spine's SOLUTION … changes the game and puts asset managers in control with their own technology



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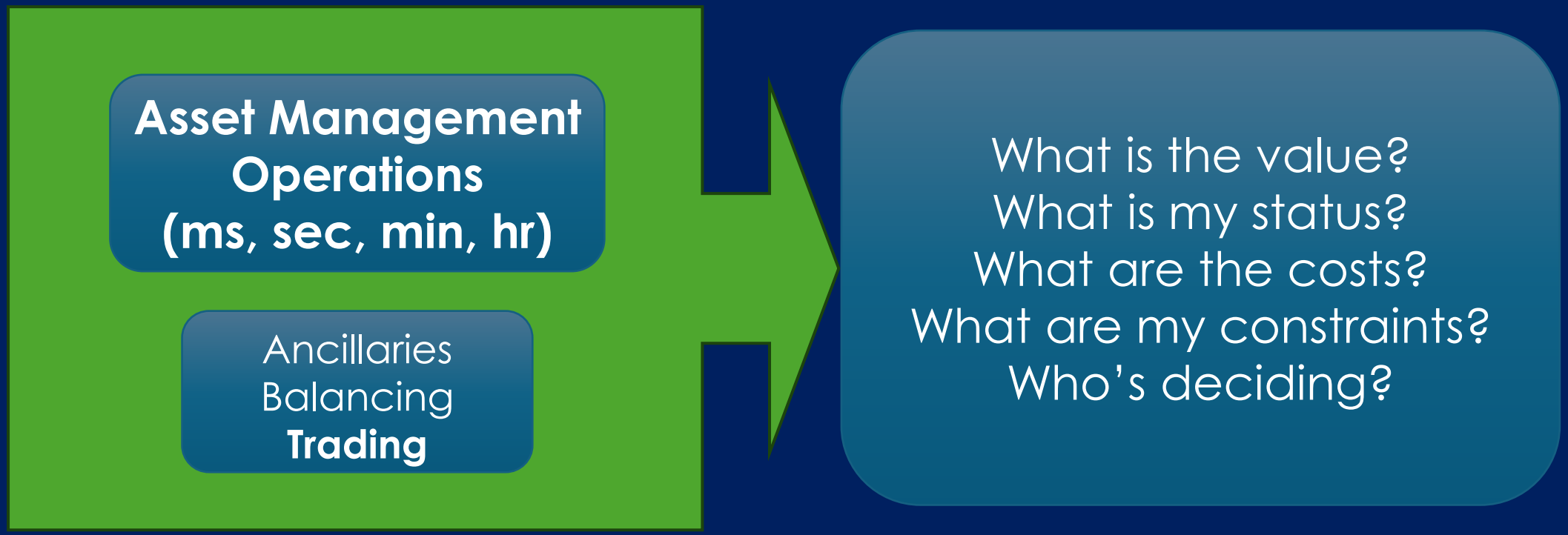
A day in the life of BESS asset management …

To cycle or not to cycle? - that is the question!



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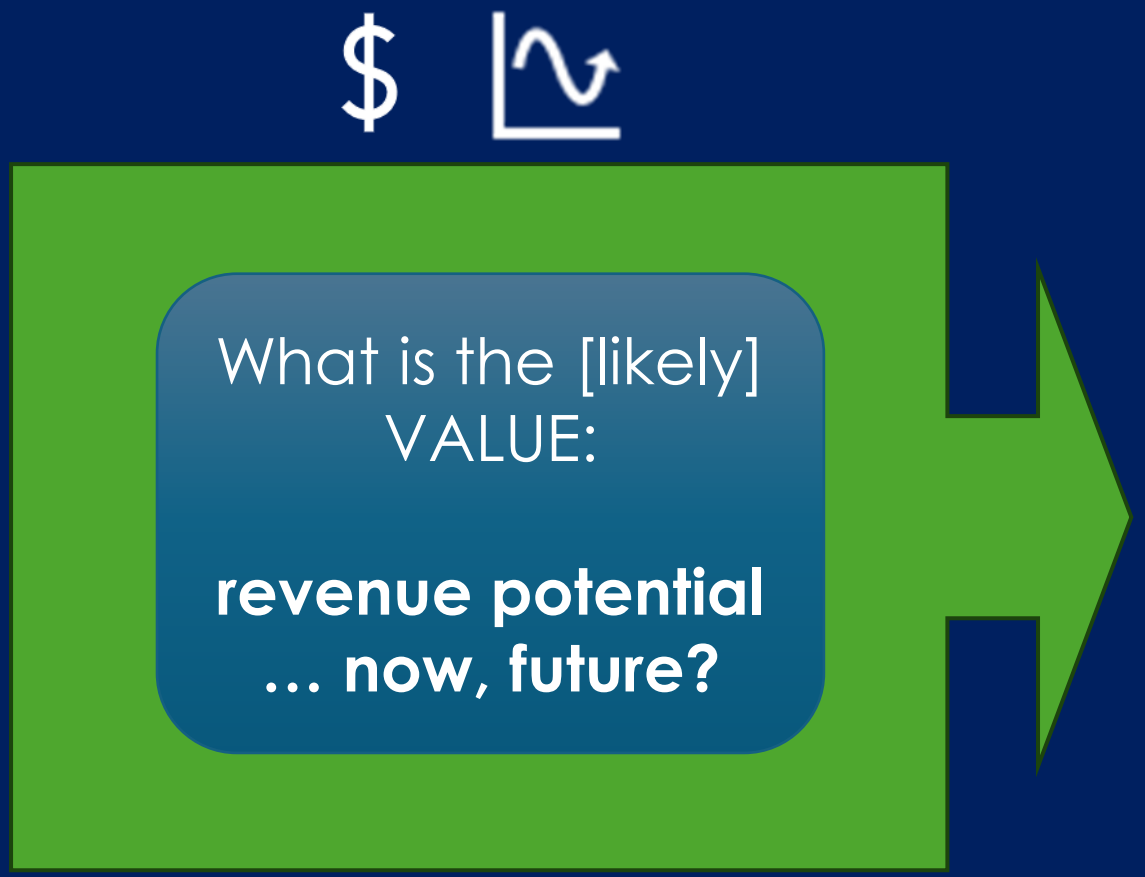
To cycle or not to cycle? … VALUE



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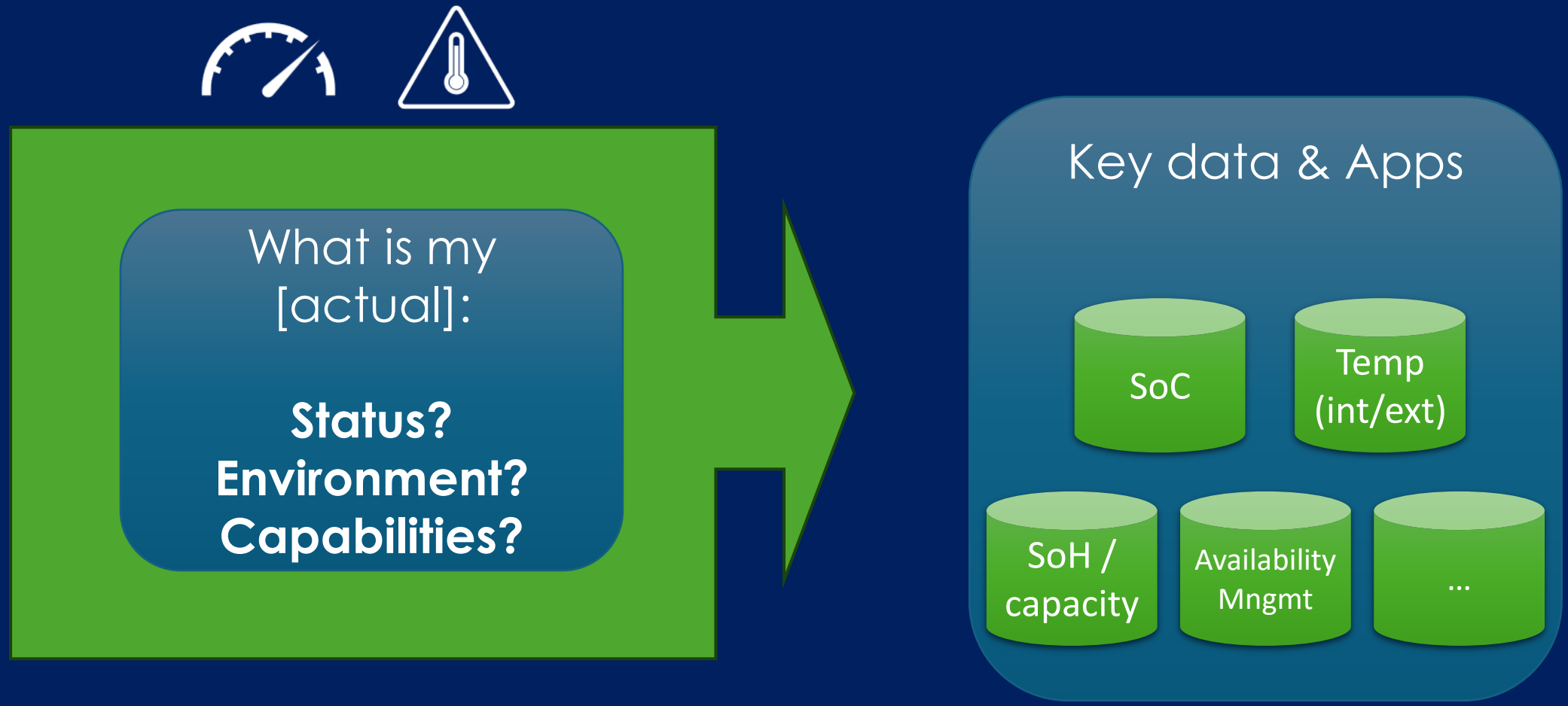
To cycle or not to cycle? … STATUS



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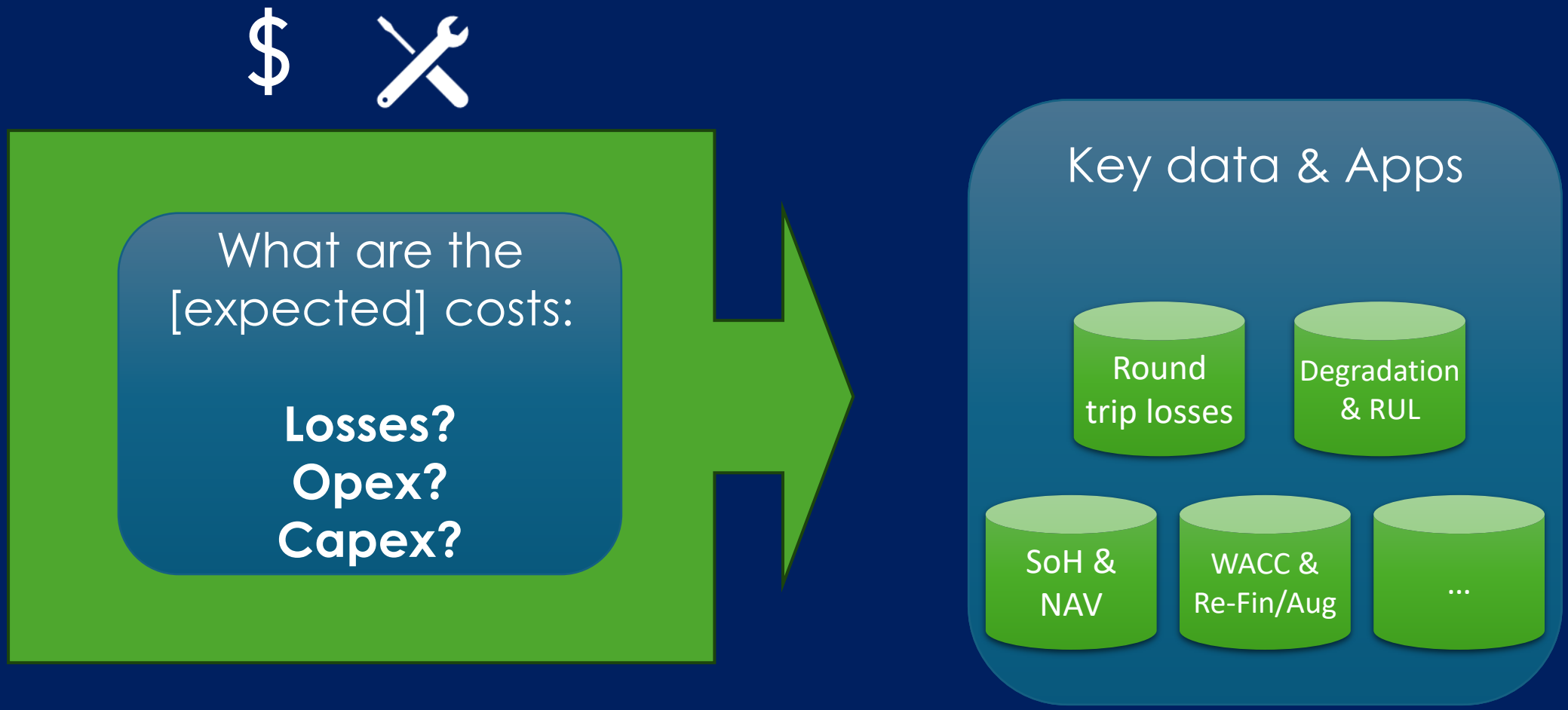
To cycle or not to cycle? … COSTS



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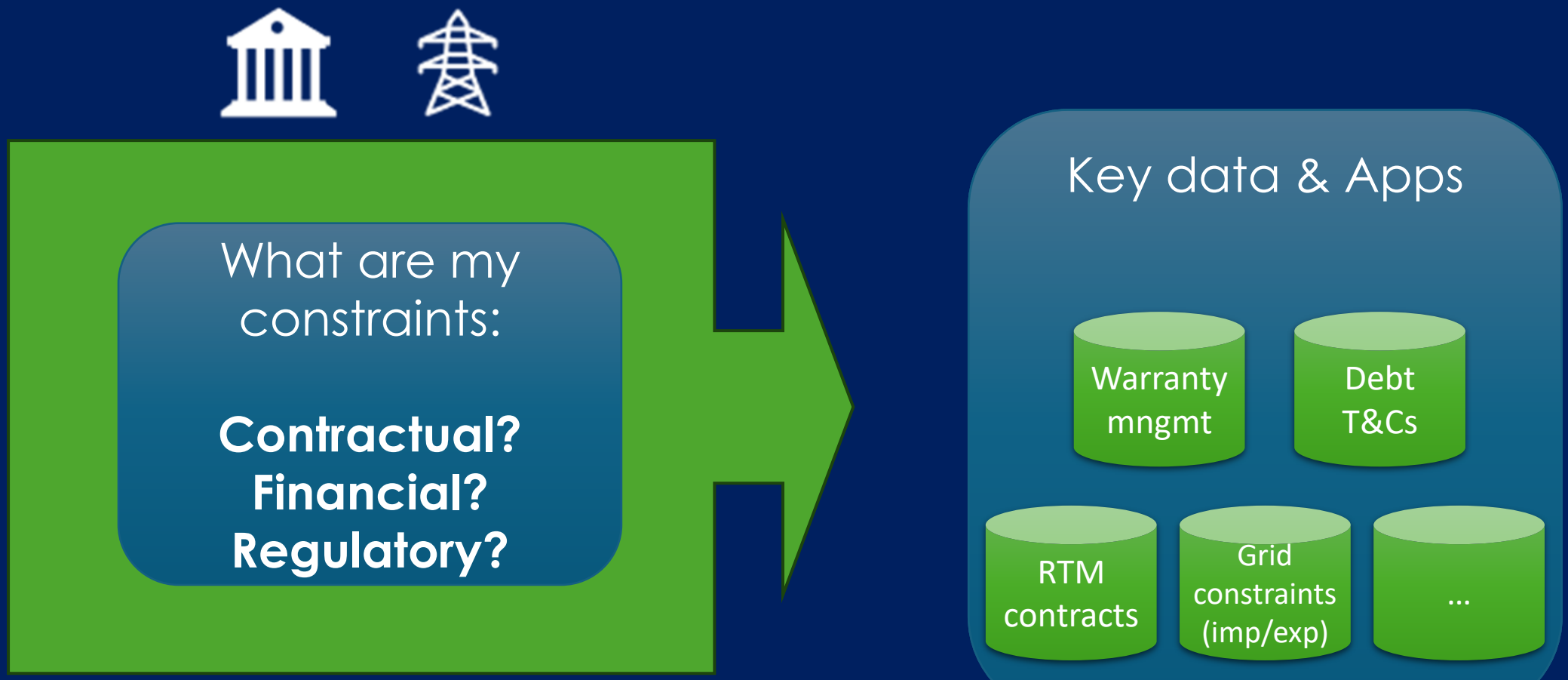
To cycle or not to cycle? … CONSTRAINTS



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To cycle or not to cycle? … DECIDING

Who decides:

Outsourced Vendor?
Internal team?
Ops? / Exec?

Key data & Apps

- Situation specific config
- Quality real-time data
- Interoperable Apps
- Common digital backbone
- Automation + human oversight

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Spine: initial funding secured and focused on deploying AI-driven applications with BESS asset owners

£0.5m pre-seed raised

zinc

HNWI

Tech / AI ecosystem
Business building support

Electricity markets
Fund management

Operational Focus

Value-driven use cases

Product: Digital Spine & AI Apps
Team: Commercial & GTM
Partners: Trading-as-a-Service
Testing: Apps lab & customers

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Spine: complementary team established …
entrepreneurship, tech & energy

Experienced founder & CEO

£ Seed to IPO

Industry contacts

Product vision

Focused delivery team

Software Applications & Customers

Platform, Infrastructure & InfoSec

ceres

gentrack

VISA | FEATURE SPACE

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We're just getting started … but aiming high.
Please get in touch!

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