

## UC2. Asset Investment Planning

*What asset investments best support delivery of my organization's outcomes?*

### CHALLENGE

How can digital tools and analytics help your organization demonstrate that its proposed strategic investments will deliver the required outcomes to satisfy its owners and regulators?

### BENEFITS

- ✓ Improved buy-in from stakeholders
- ✓ Stronger business cases that prioritize investments and de-risk cost-benefit analysis
- ✓ Better outcomes from internal/external reviews due to robust, auditable, evidence-based plans

### FOUNDATIONAL

- Basic asset register
- Historic activity volumes and spends
- Clearly-defined outcomes, metrics and criticality
- Understanding of current data quality

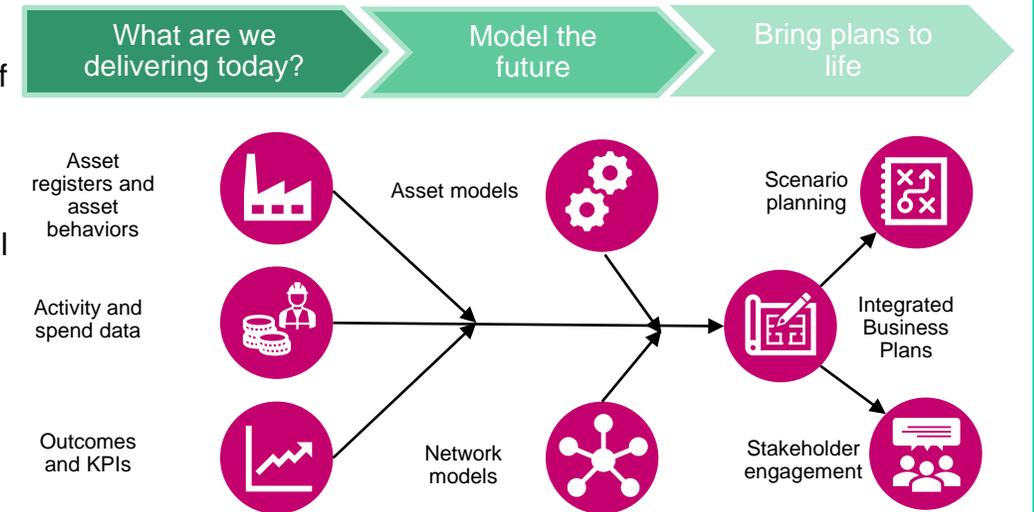
! Organizations can get bogged down in trying to capture a perfect baseline: use what you have got to get started and understand your gaps

### SOLUTION

Establishing a good understanding of how historic / current levels of activity have shaped the asset base and its performance.

Combining a network model or digital twin with asset investment planning and optimization tools to bring investment scenarios to life and demonstrate value to stakeholders.

Assessing the VUCA (volatility, uncertainty, complexity and ambiguity) in your models and plans



### NO REGRETS

- Robust database of proposed investments capturing key costs / benefits for comparisons
- Improved data visualizations (e.g. geospatial model of network) to show investment impacts

! Buy-in from across the organization to clearly-defined metrics that quantify and monetize benefits to enable cross-asset comparisons

### GAME CHANGERS

- Dedicated Asset Investment Planning tool(s) that can simulate and optimize
- Network Digital Twin that can bring to life different investment scenarios (e.g. CReDo)

! Garbage in, garbage out: invest in the thinking and design of your digital twins and AIP approach  
Are tools easy to adopt or will people avoid them?