

A photograph of four offshore wind turbines in a row across the ocean. The sky is a mix of blue, orange, and pink, suggesting a sunset or sunrise. The water is calm, reflecting the colors of the sky and the silhouettes of the turbines.

# Volue

## Technology for a sustainable tomorrow

Pareto Securities' 25th annual Power & Renewable Energy Conference

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# Value in brief

One of the largest software companies in Norway



Established  
2020



Customers  
2,200+



Engaged employees  
750



Customers in  
40+  
countries



Offices  
30



Experience in Green-Tech  
50 years



2022 Revenues  
1,219 MNOK



2022 EBITDA adj  
203 MNOK (17%)

# Volue achievements since listing

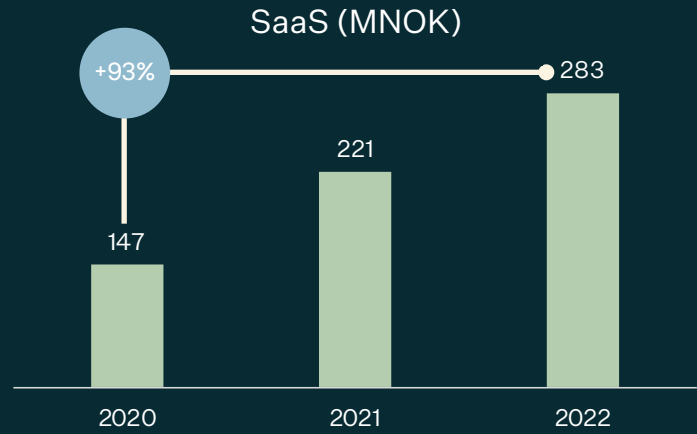
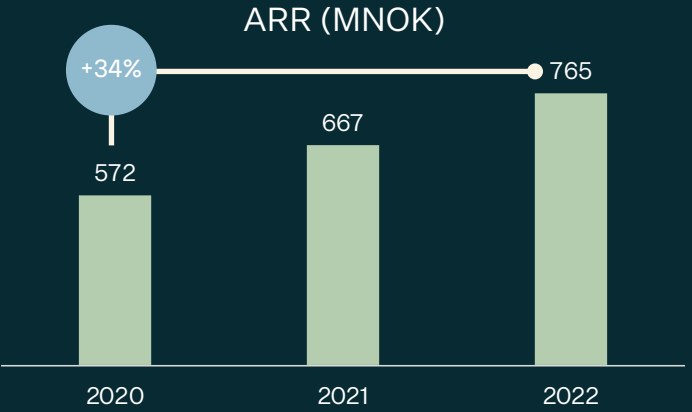
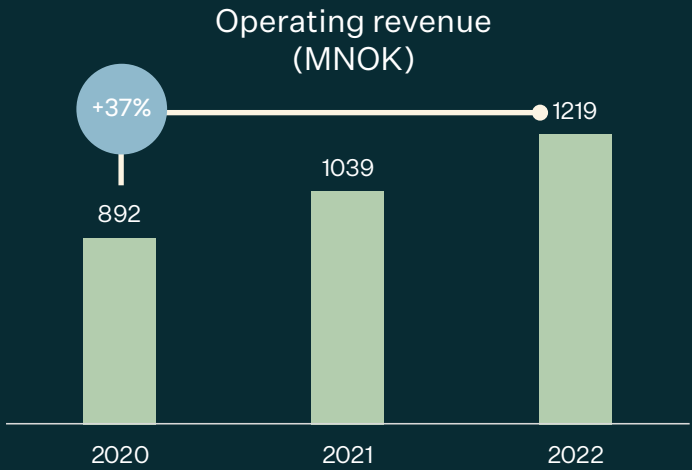
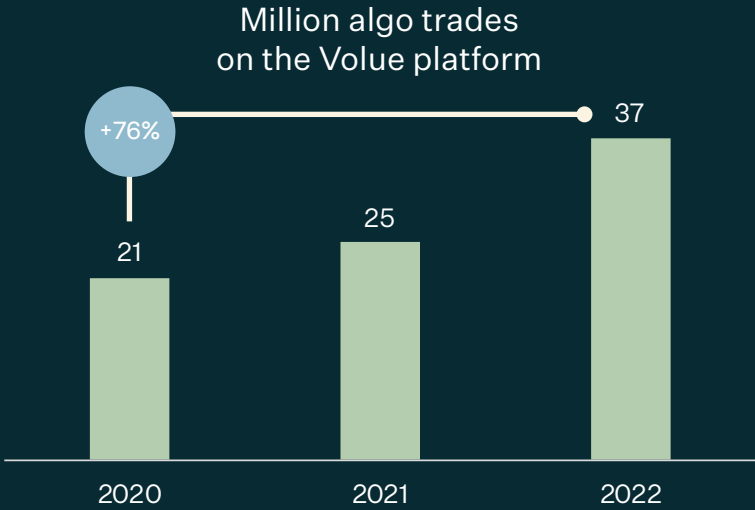
Completed must-win battles from the '21-'23 strategy

Expansion from DACH to significant positions in Iberia & Italy

Established operations in Japan

Acquired two of our strongest competitors


Fully integrated organisation scaled for growth




# Offering customers flexibility and increased value creation

Software, markets insights and IoT technology covering entire value chain

## Integrated Value Chain

 Analyse

 Plan & Operate

 Monetise

Capture

Aggregate

Forecast

Optimise

Schedule

Trade

Settle

Portfolio management as a Service

# Why does a power producer need tools for forecasting, optimization and trading?

Simple example

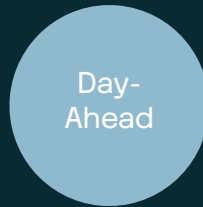
One asset

One market


Hydro



Day-Ahead



**Mission:** Operate safely and maximise profits

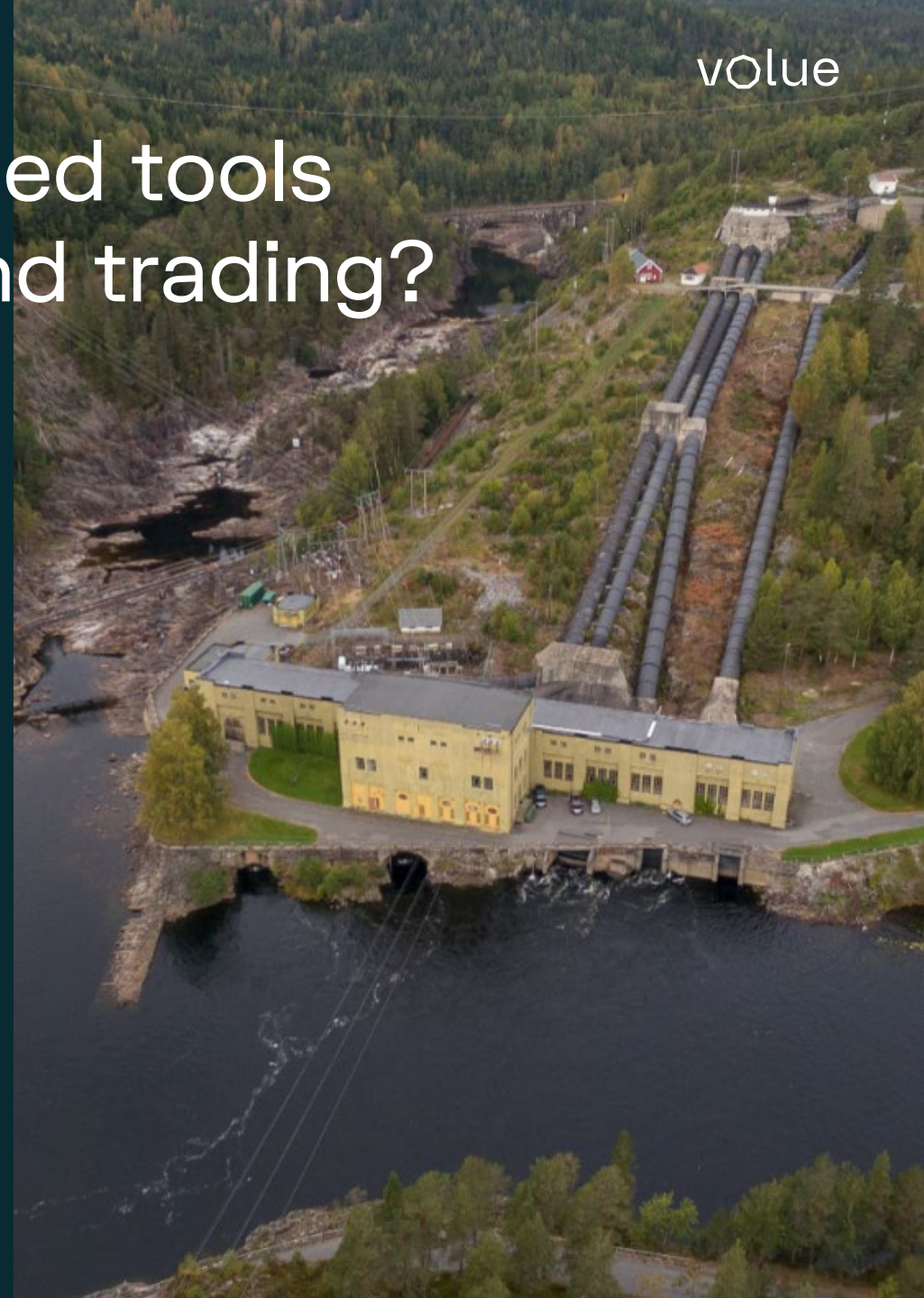
 Analyse



Plan & Operate



Monetise



# Analyse



value



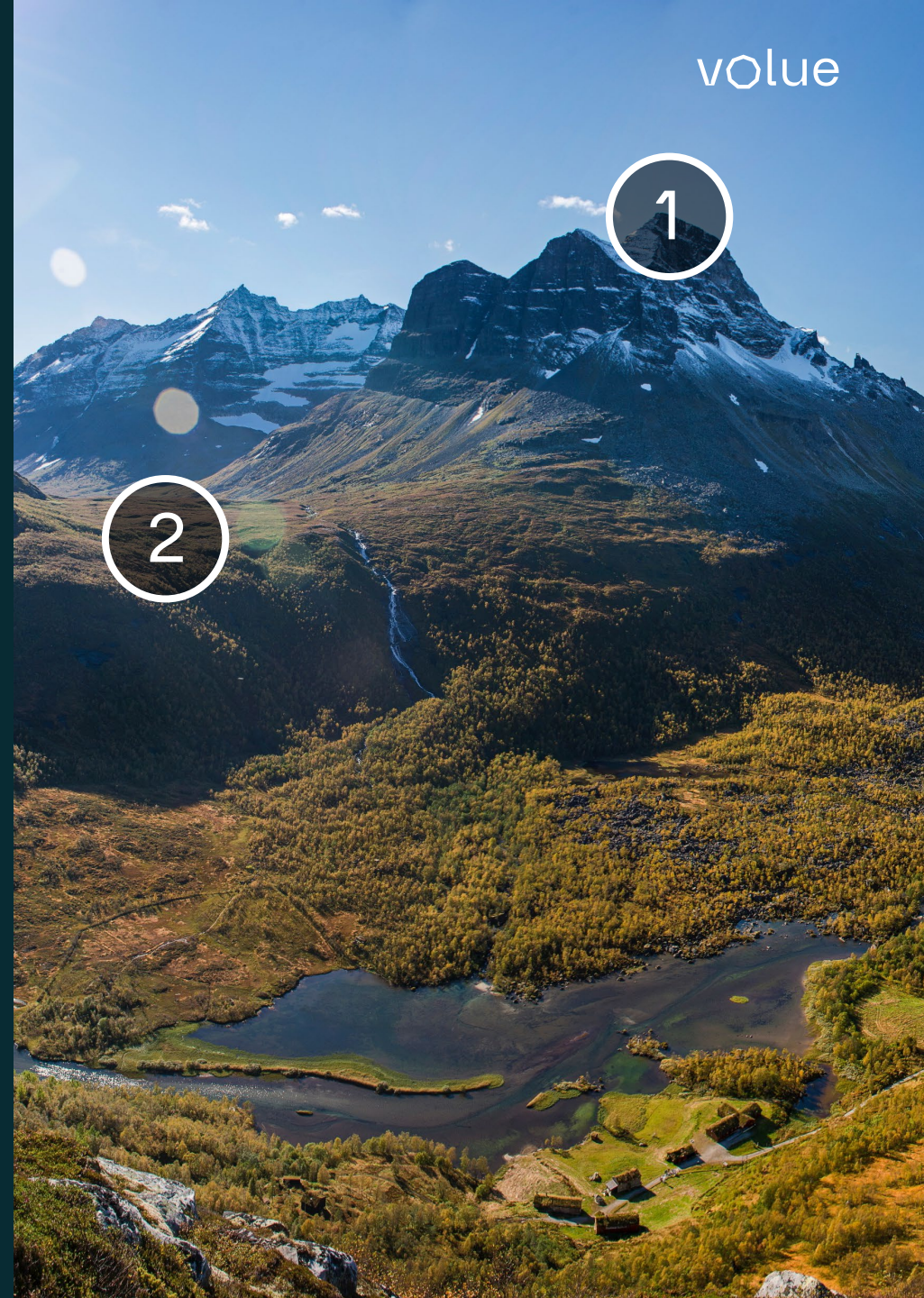
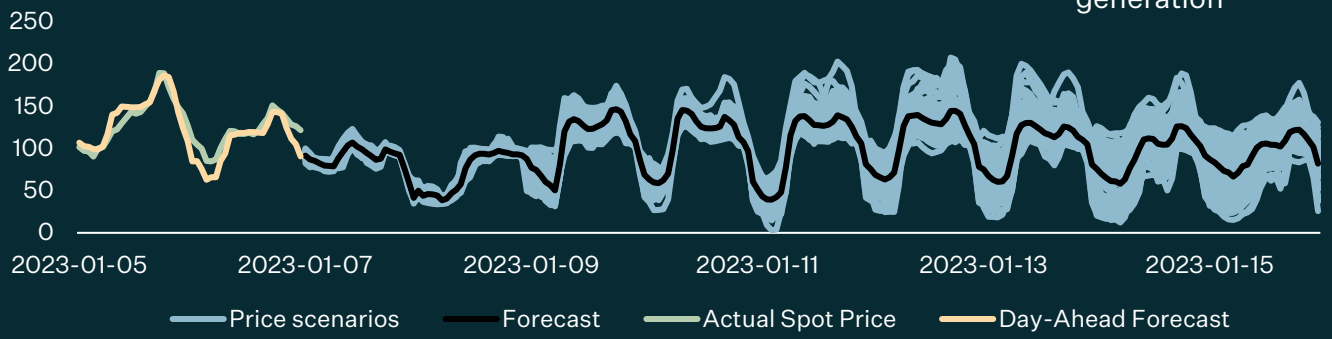
Simple measurement  
Continuous validation and correction



Precipitation and temperature (1 vs 2)  
Elevation  
Current state of catchment area

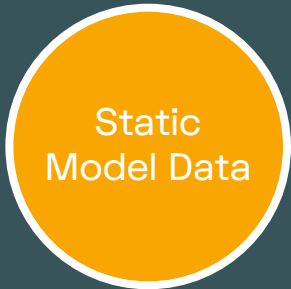


Power demand  
Power plant availability in Europe  
Fossil fuel prices  
Intermittent renewables generation





# Plan & Operate



Static Model Data

Penstocks & turbines

Efficiency curves

Ramp up costs



Time Dependent Data

Minimum flow in the river

Available capacity

Reservoir restrictions



Optimise

Schedule







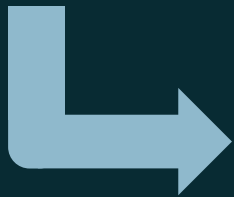
# Monetise



Trading

Day ahead bid

Submission of 24 price dependent bids



Dispatch

Verification of compliance with obligation

Update reservoir level



Post trade documentation

Settlement

Stakeholder holder reporting

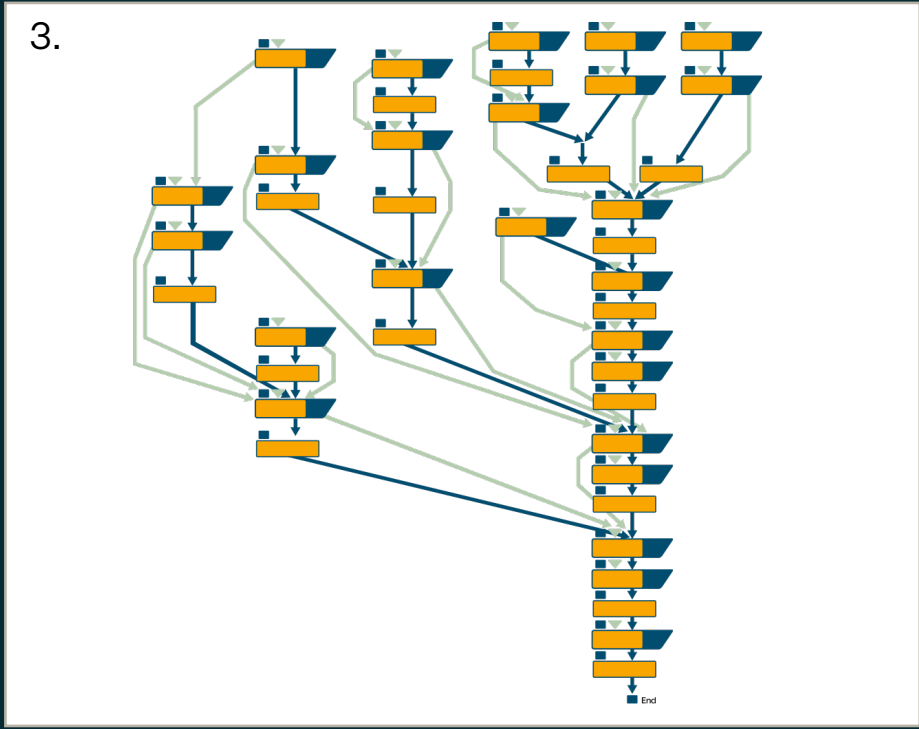
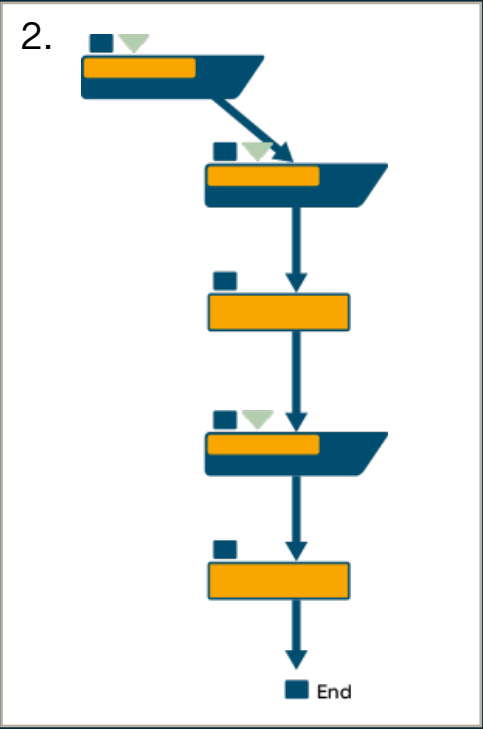
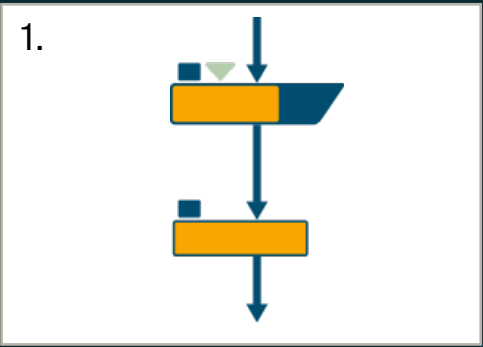


# Calibration of the example

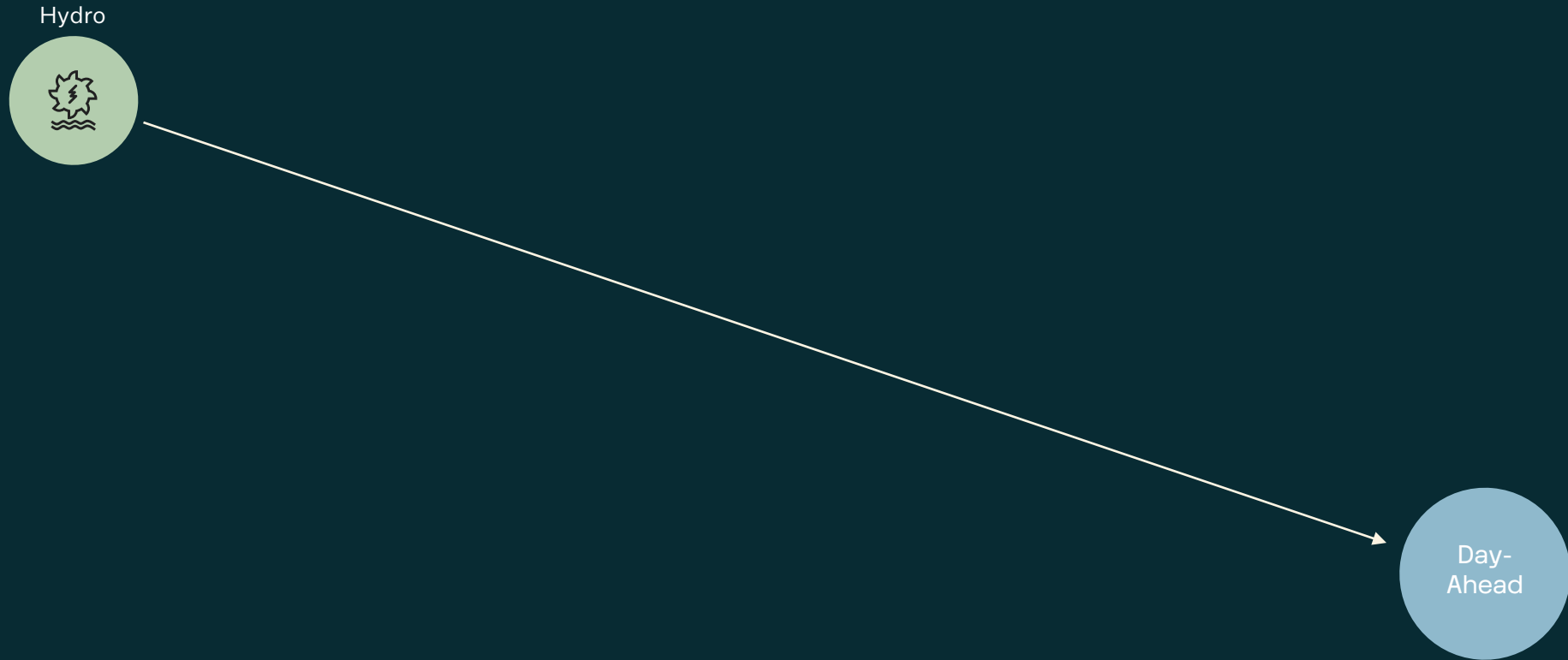
This example is depicted to the right (1):

The real layout can be seen bottom right (2):

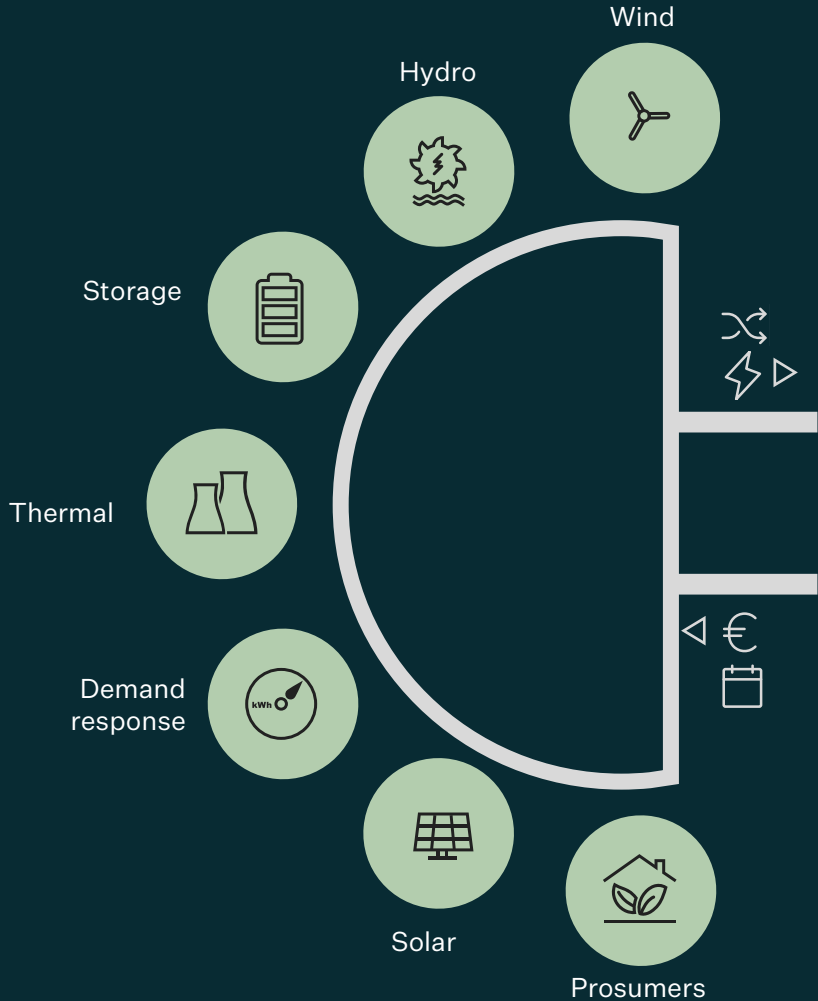
Bottom left is a more complex and realistic river (3):



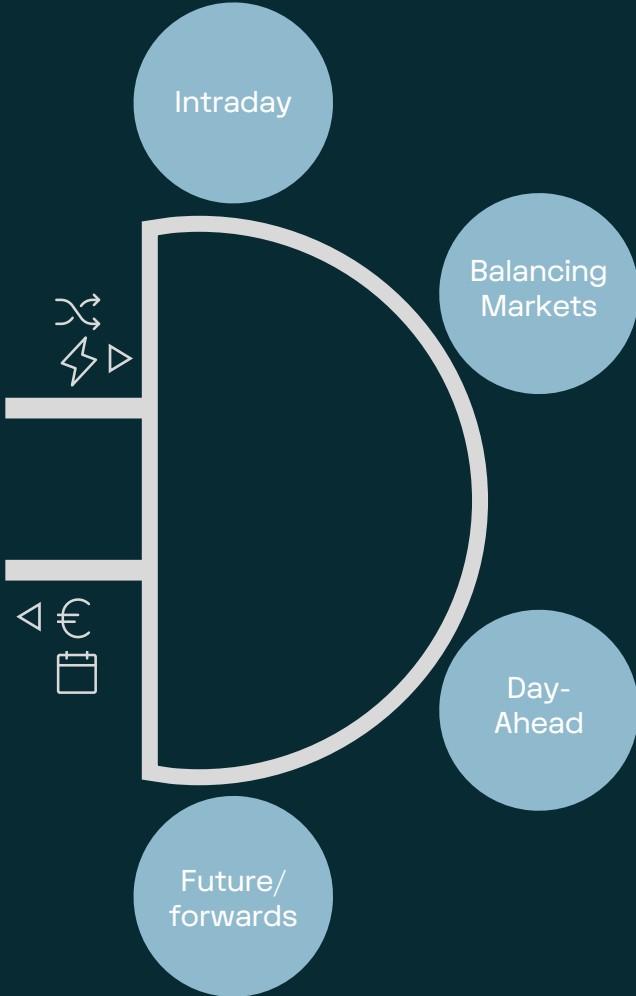
# This example describes below complexity...



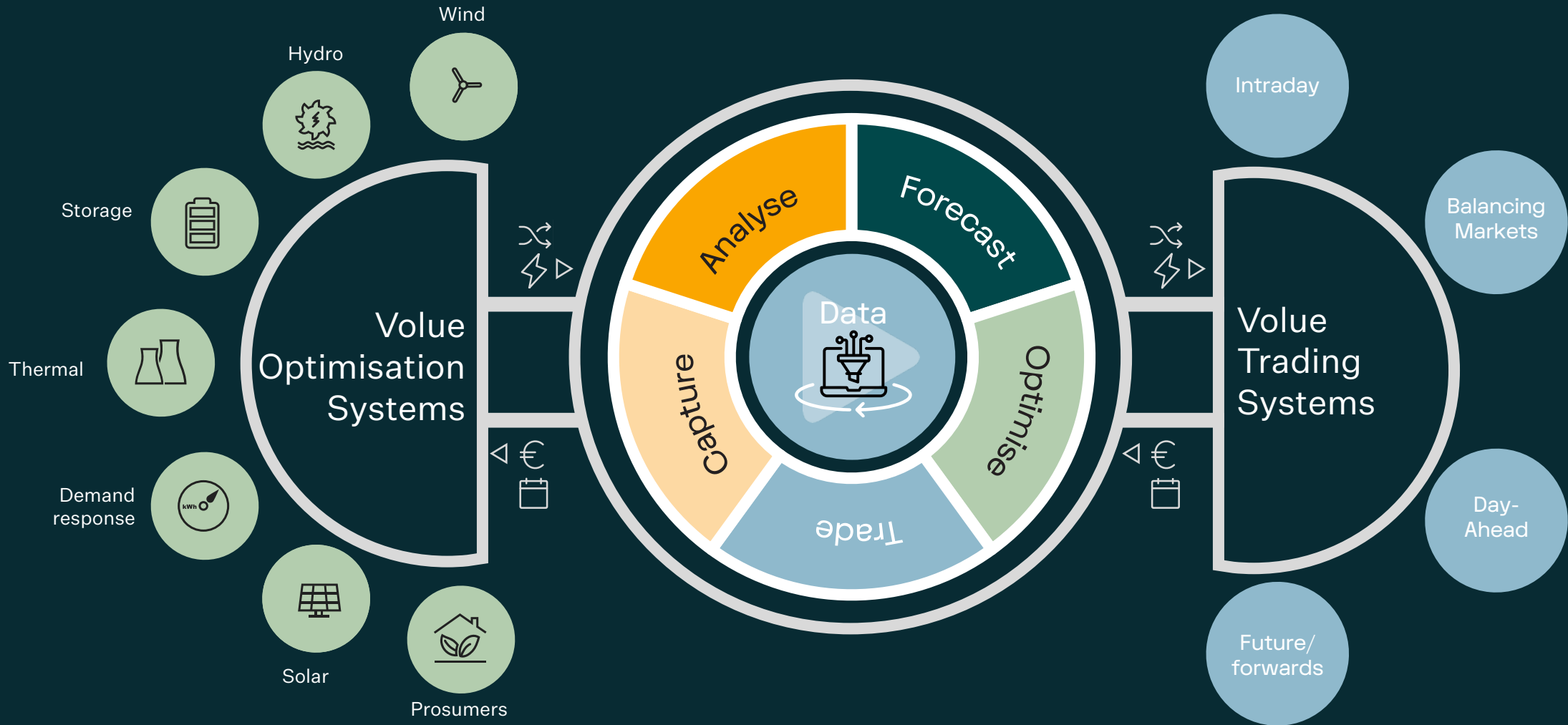
# Reality looks like this



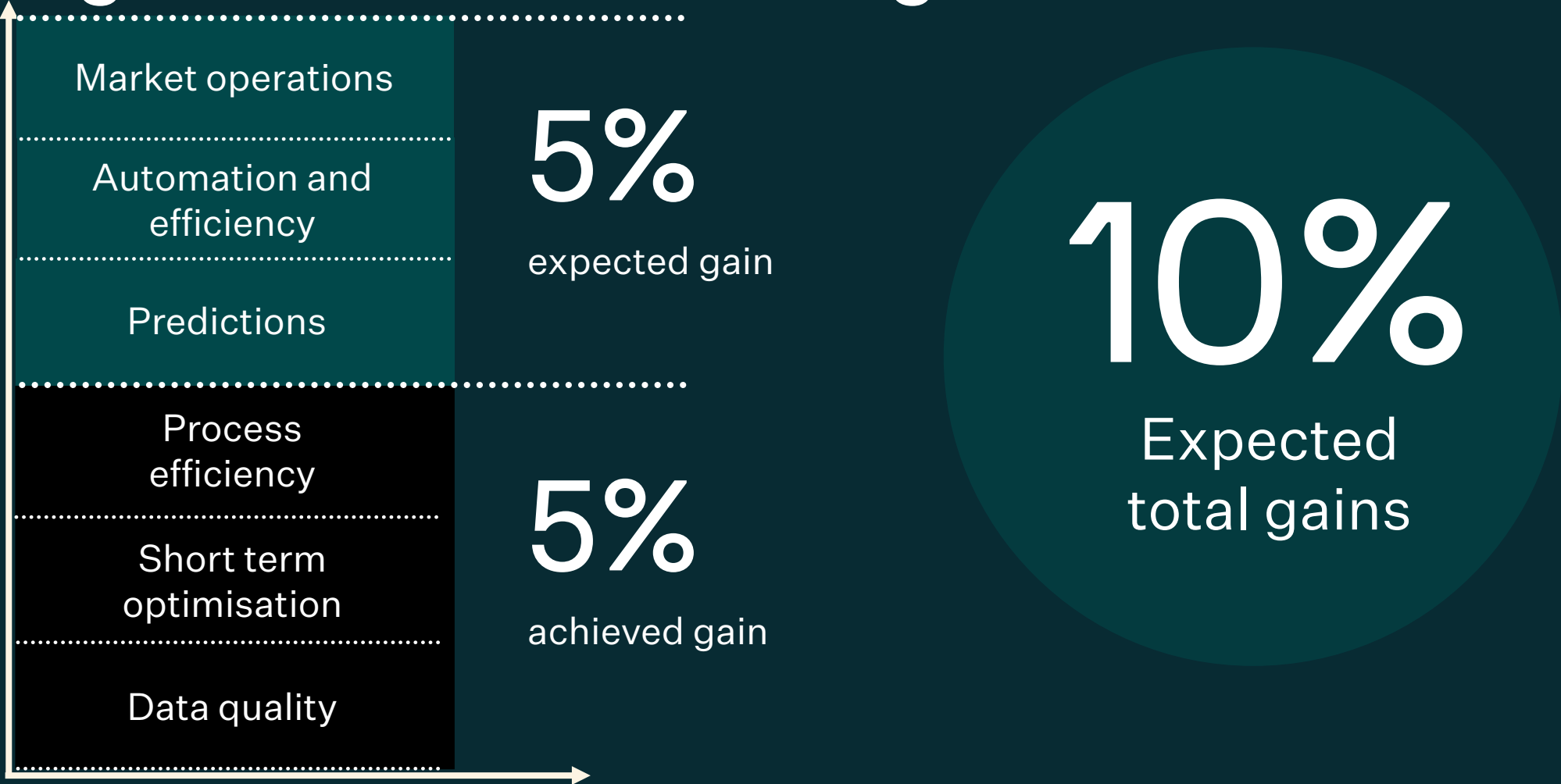
Need to  
simplify  
complexity



# We connect assets to markets



# Maximise business value in power generation and trading



# Why will Volue be successful?

1

Our presence across the entire value chain is time and time again proved to be unmatched when competing for business

2

Volue achievements and progress since listing speaks volumes, highlighting the organisations ability to execute on growth ambitions

3

Energy markets are experiencing a tectonic shift, increasing the need for our services and the speed in which our customers make investment decisions