

CORDA

Delivering Successful Futures

www.corda.co.uk



Modelling and Analysis gives Confidence In Fleet Management

ISMOR 23

Suzanne Harrison

Summary

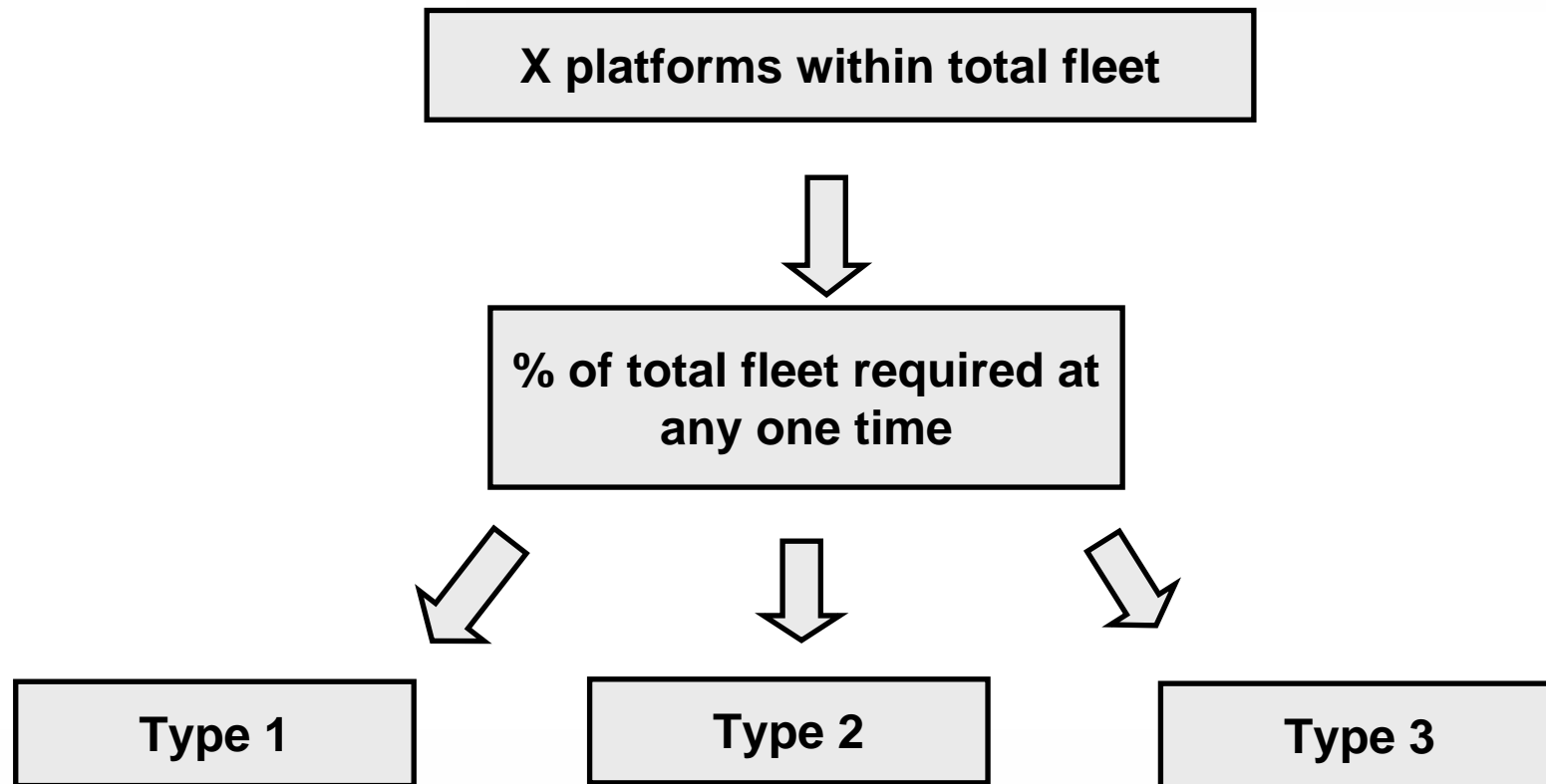
- Introduction to Fleet Management
- Modelling and Analysis Capability developed
- Analysis Support Provided
- Conclusions

Introduction to Fleet Management

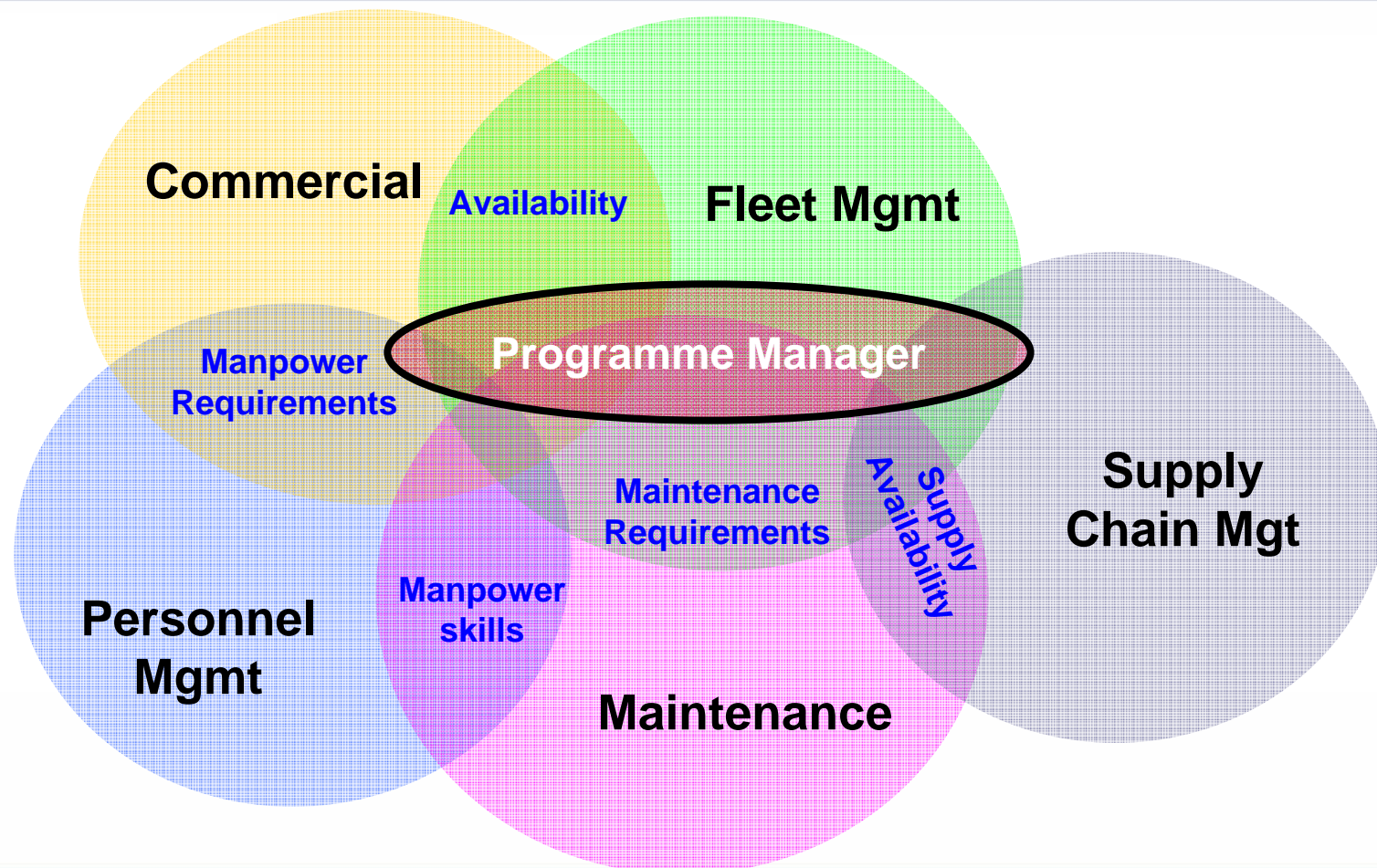
- Fleet Planning and Fleet Management required for land, air and sea platforms
- Fleet Planning - day to day management of fleet
- Fleet Management includes
 - Upgrades
 - Usage rates
 - Maintenance Requirements



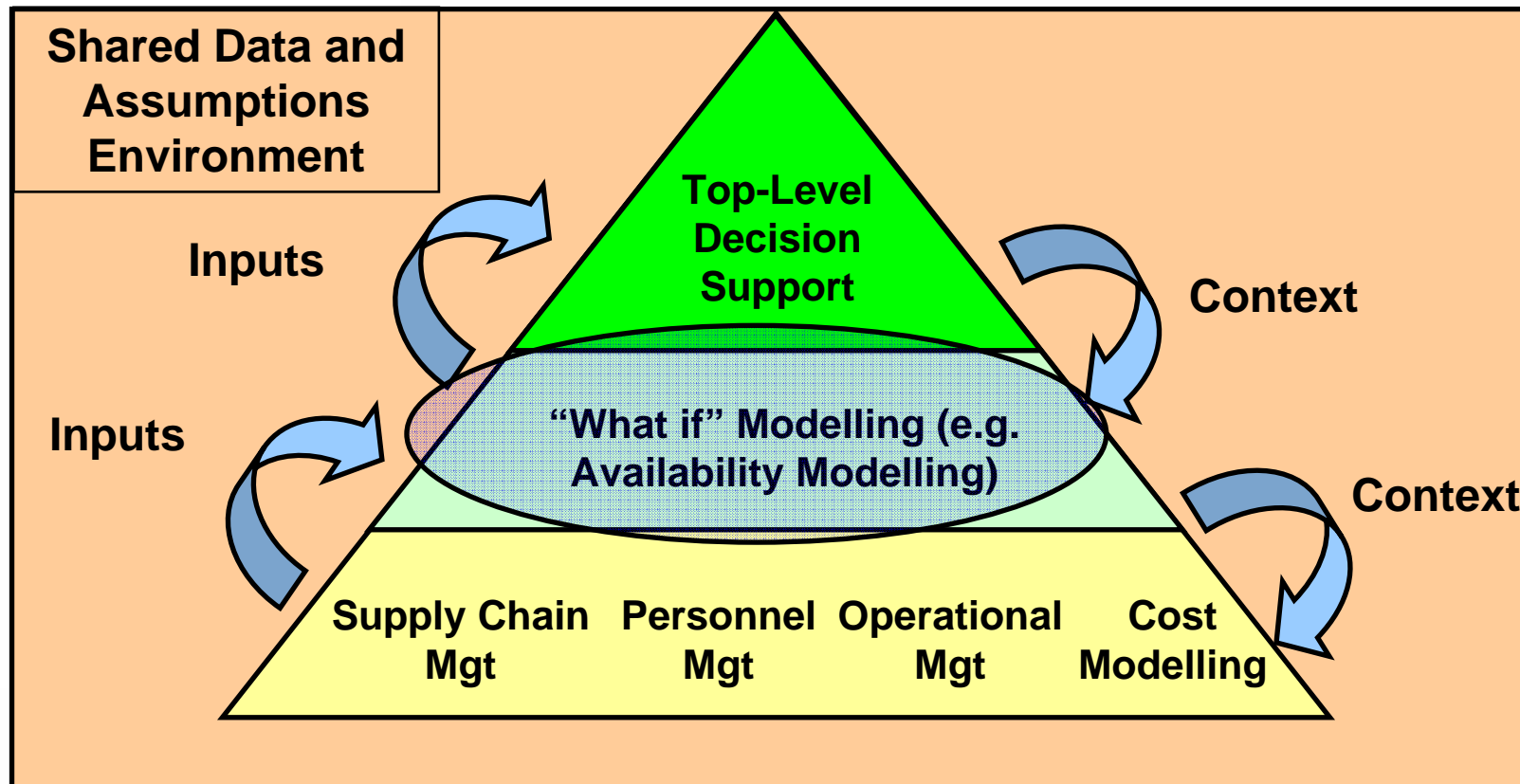
Illustrative Case Study: Key Performance Indicator: Fleet Availability



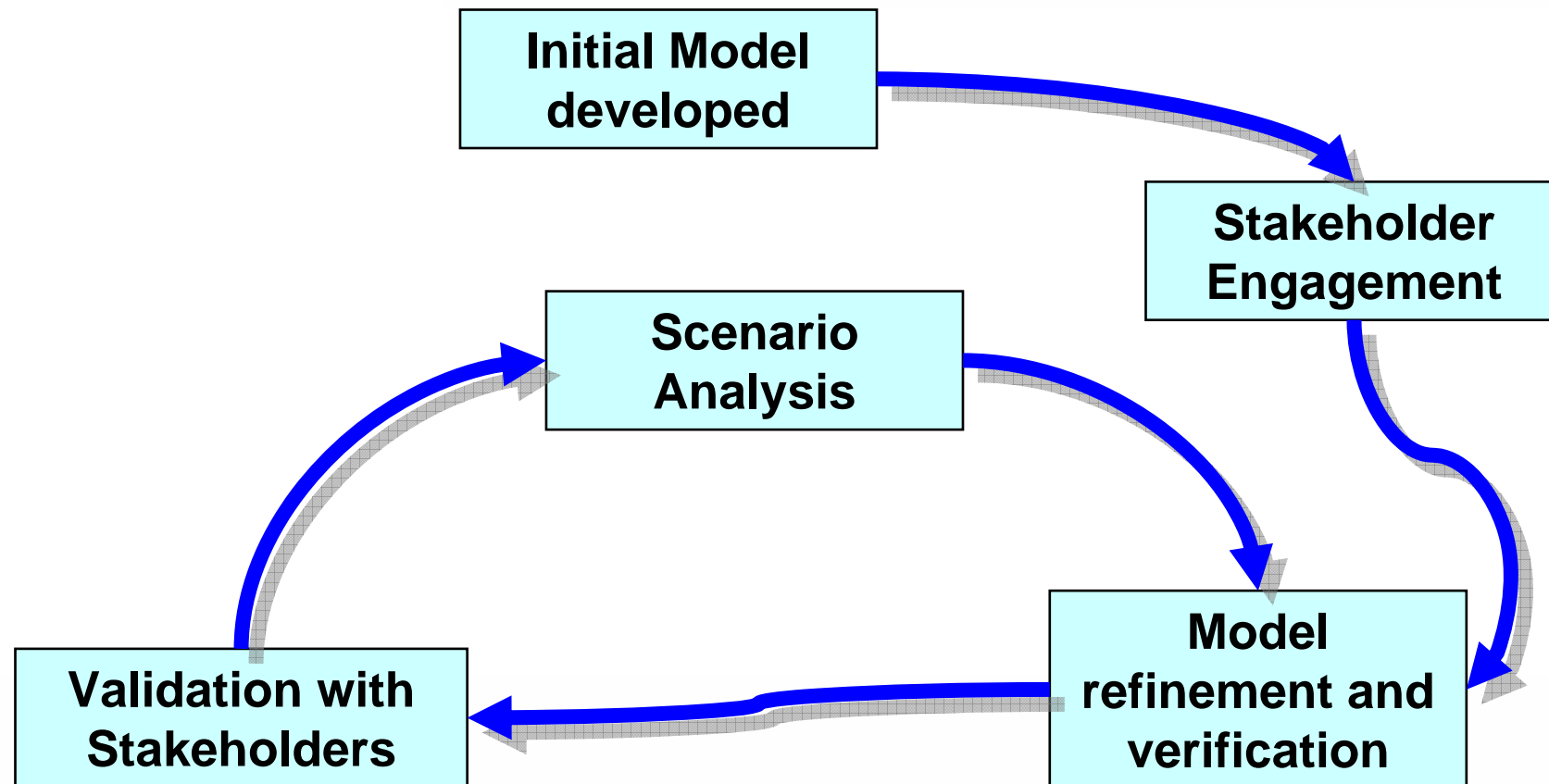
Understanding Stakeholder Requirements



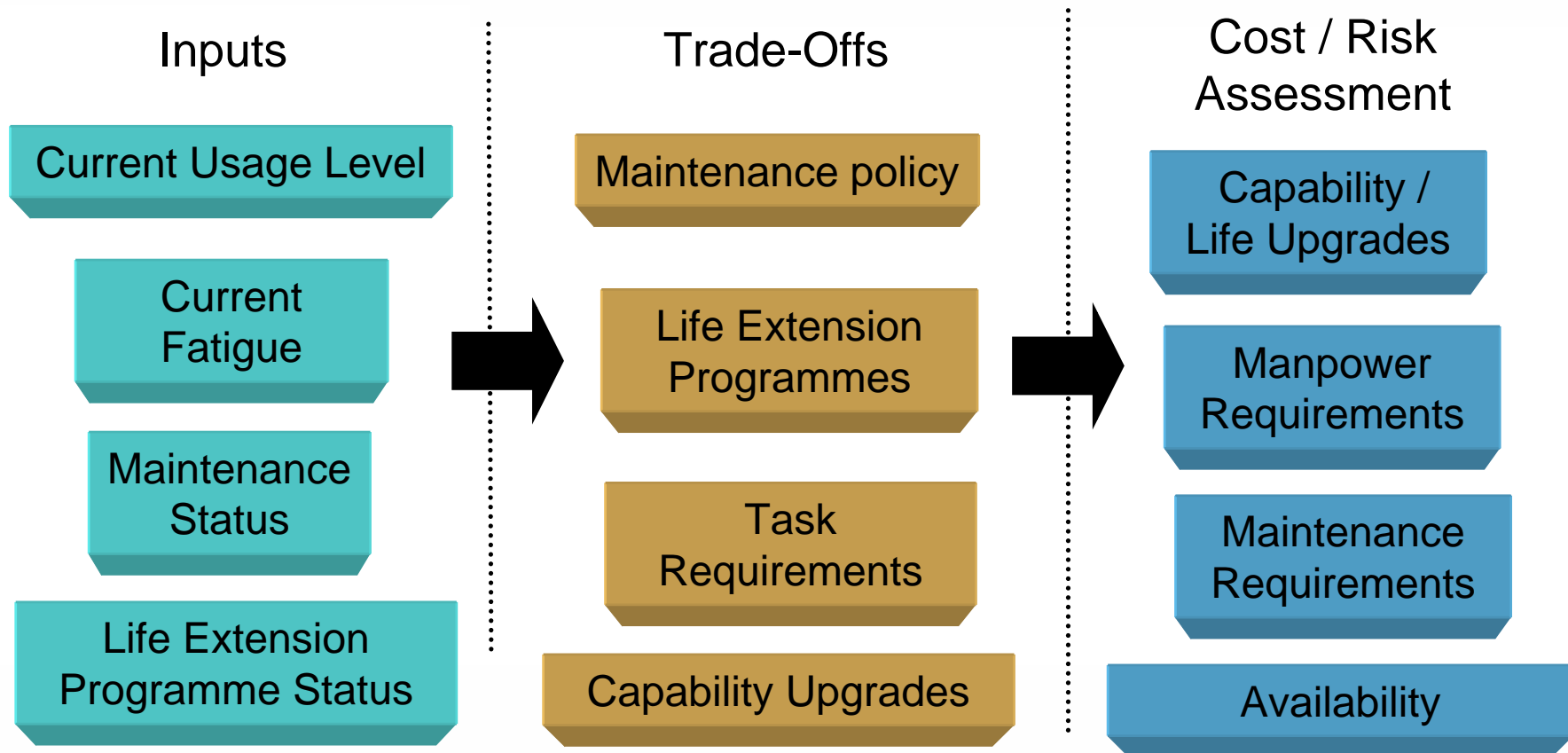
Modelling Hierarchy



Model Development Approach

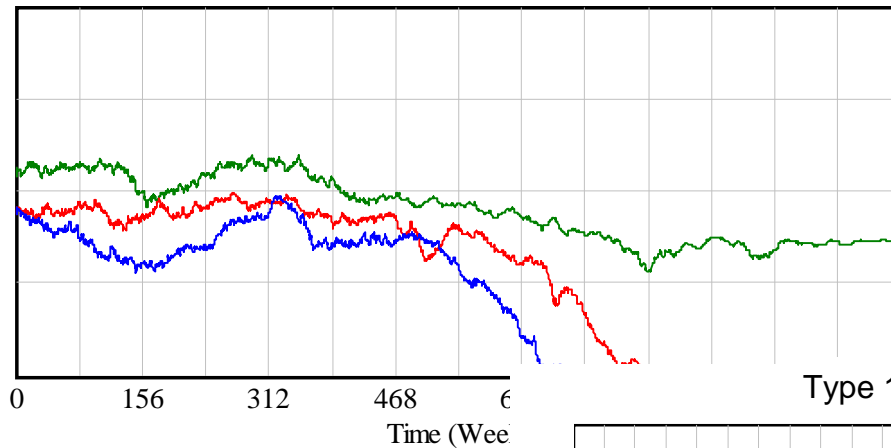


Modelling Input to Costs and Risks



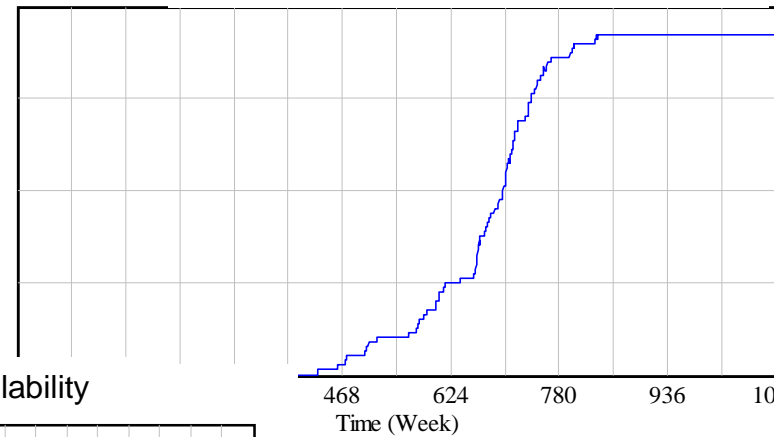
Illustrative Model Outputs

Total Availability

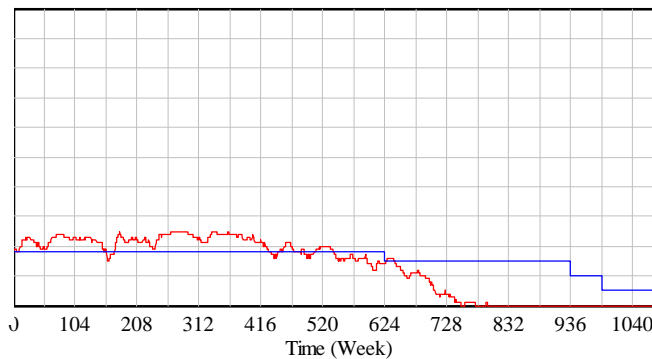


: test1 —————
 : test —————
 : test2 —————

Total Platforms reaching end of life

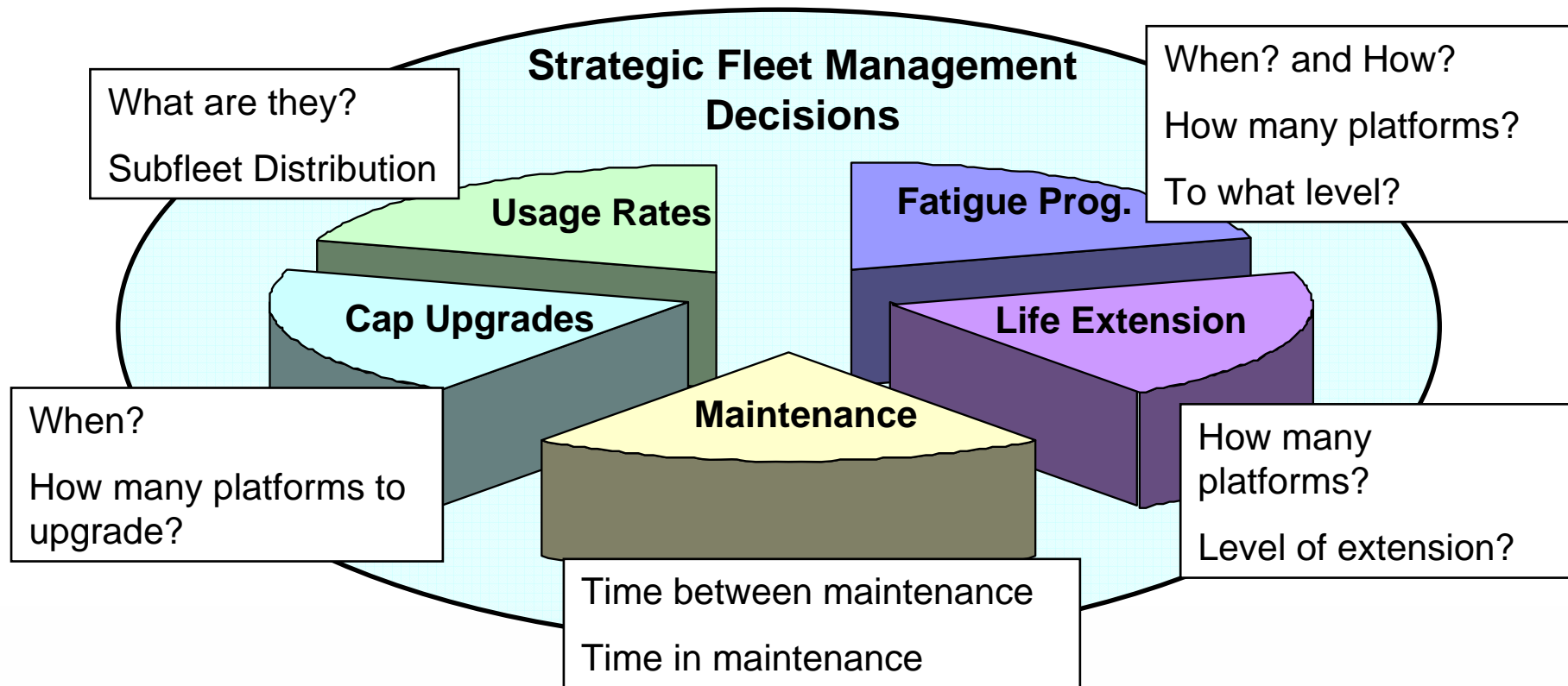


Type 1 Availability

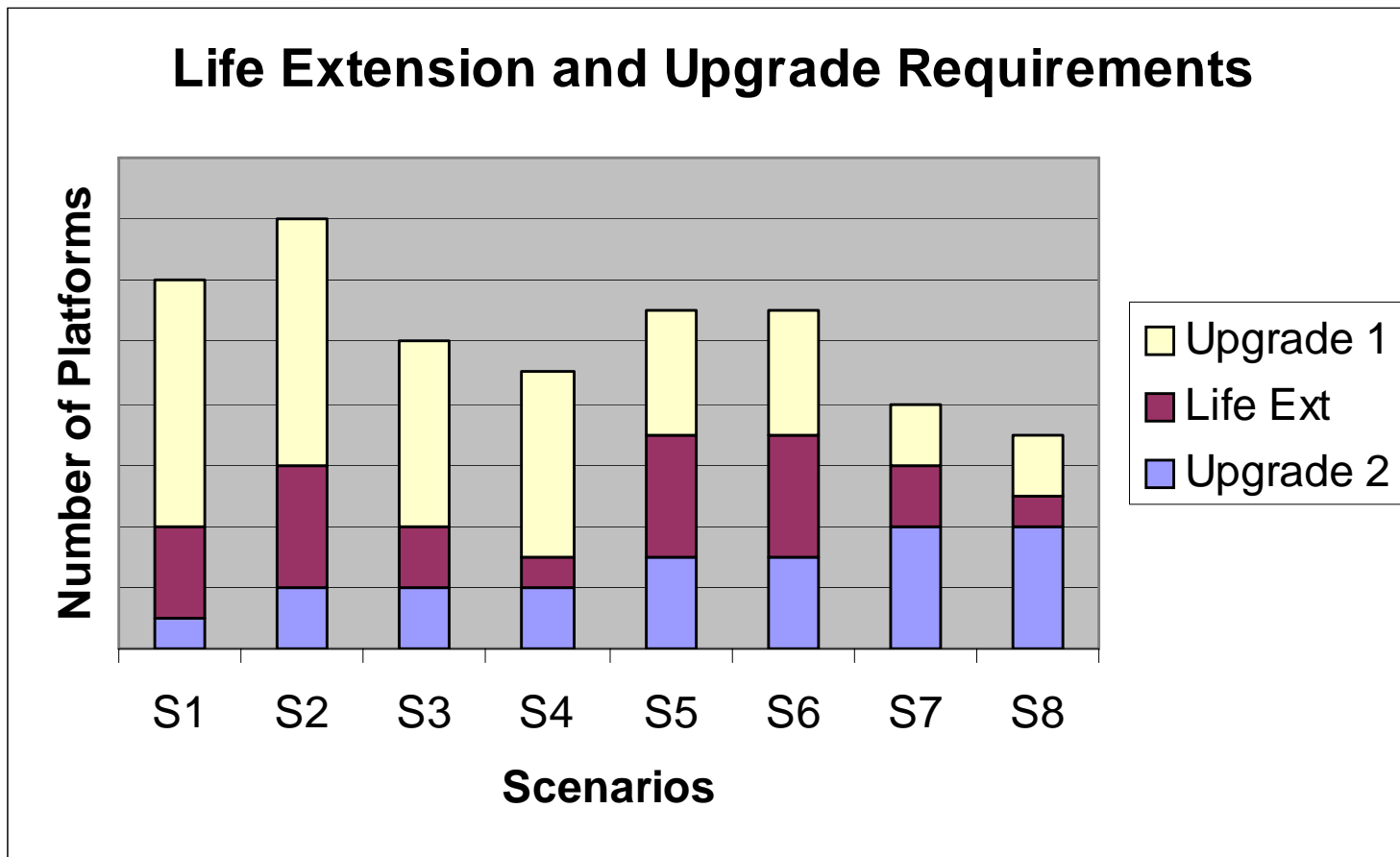


Required FAF Graph : test ————— ac
 : test ————— ac

Inputs to Strategic Fleet Management



Illustrative Results



Conclusions

- Invaluable inputs that can support bid submissions and development of long-term strategic fleet management plan
- Timely assessment of different scenarios, leading to more confidence in results
- Common understanding of benefits and risks achieved with all stakeholders
- Best Practice that can be shared with other programmes

CORDA

Delivering Successful Futures

www.corda.co.uk

