



Decision Analysis  
Service Ltd

Developing strategy, delivering  
certainty for critical national  
infrastructure and services

Government | Defence | Energy



# Analytics + Foresight Hub AI and Machine Learning

## Who we are.

Decision Analysis Services Ltd is an independent management consultancy specialising in applying qualitative and quantitative tools to support decision making for our clients across Government and the private sector.



### AI Enabled Futures

Utilising web-scraping, NLP and forecasting to increase the breadth and depth of horizon scanning activities.

## What we do.

Our data science capability is deployed through our Analytics + Foresight Hub. The Hub brings together our extensive capabilities in data science, systems modelling and futures techniques. Our AI and Machine Learning capabilities include:



### Reliability Centred Maintenance

Machine learning enabling the accurate prediction of failure events from operating conditions e.g. sensor data.

- **Machine learning for Forecasting**
- **Natural Language Processing (NLP)**
- **Deep Learning for Computer Vision**
- **Human Factors for integrating AI tools**



### NLP Supported Risk Management

Supporting risk management by using NLP to provide insights and improve time efficiency, consistency and detail.



### Machine Learning for Cyber Security

Applying advanced analytics techniques to improve threat detection, manage cyber data and generate insights.