

Powering better business decisions with mathematical optimisation

The Challenge

When it comes to long-term business growth, efficiency is key. Improving internal processes, making better use of resources and reducing complexity can lead to lower costs, faster delivery of products or services, and better experiences for customers and employees.

The Solution

Mathematical optimisation helps you achieve this – allowing you to make the best decision when faced with complex scenarios that involve multiple variables and outcomes.

Optimisation and machine learning (ML) operate in concert; ML predicting the outcome of different choices and optimisation using these predictions to make the best decision.

Drive operational efficiency, make better decisions

When the options and trade-offs are too numerous or the constraints and their interactions are too complicated, optimisation not only lets you make the best decision in a given scenario; it also enables you to consider the impact of changing your business processes in a highly efficient way.



Financial Services

Whether it's making a credit decision, managing a debt book or setting a savings rate in line with legal requirements, optimisation can maximise return while minimising risk.



Manufacturing

The efficient scheduling of a production line involves multiple trade-offs, dependencies and conflicting objectives. Optimisation can cut through this complexity to improve operational efficiency.



Logistics

Planning a modern supply chain involves handling multiple scenarios and responding to rapidly changing circumstances. Optimisation provides a framework to adapt quickly and operate sustainably.



Preventative Maintenance

Maintaining a portfolio of physical assets requires a balance between keeping assets functioning properly and minimising disruption to business operations; optimisation can help strike that balance.

Our optimisation solutions improve operational efficiency, support 'what if?' planning and deliver sustainability.

Not only does this result in cost-savings, it can support strategic planning to deliver long term benefits — exploration of scenarios can redesign business processes to deliver additional benefits.

Inawisdom's time-boxed Discovery-as-a Service approach enables you to prove the feasibility and business case for your organisation in as little as 5 weeks, using a subset of your own data.

Get in touch today to find out how we can help on your journey to improved operational efficiency and richer business insights.

Optimisation can help if you...

- need to deliver operational efficiency
- have business constraints and trade-offs too numerous or too complex to manage with your existing processes and tools
- want to consider options for changing your business processes and be able to measure the impact of those changes
- need a solution that is more transparent — enabling greater quality control