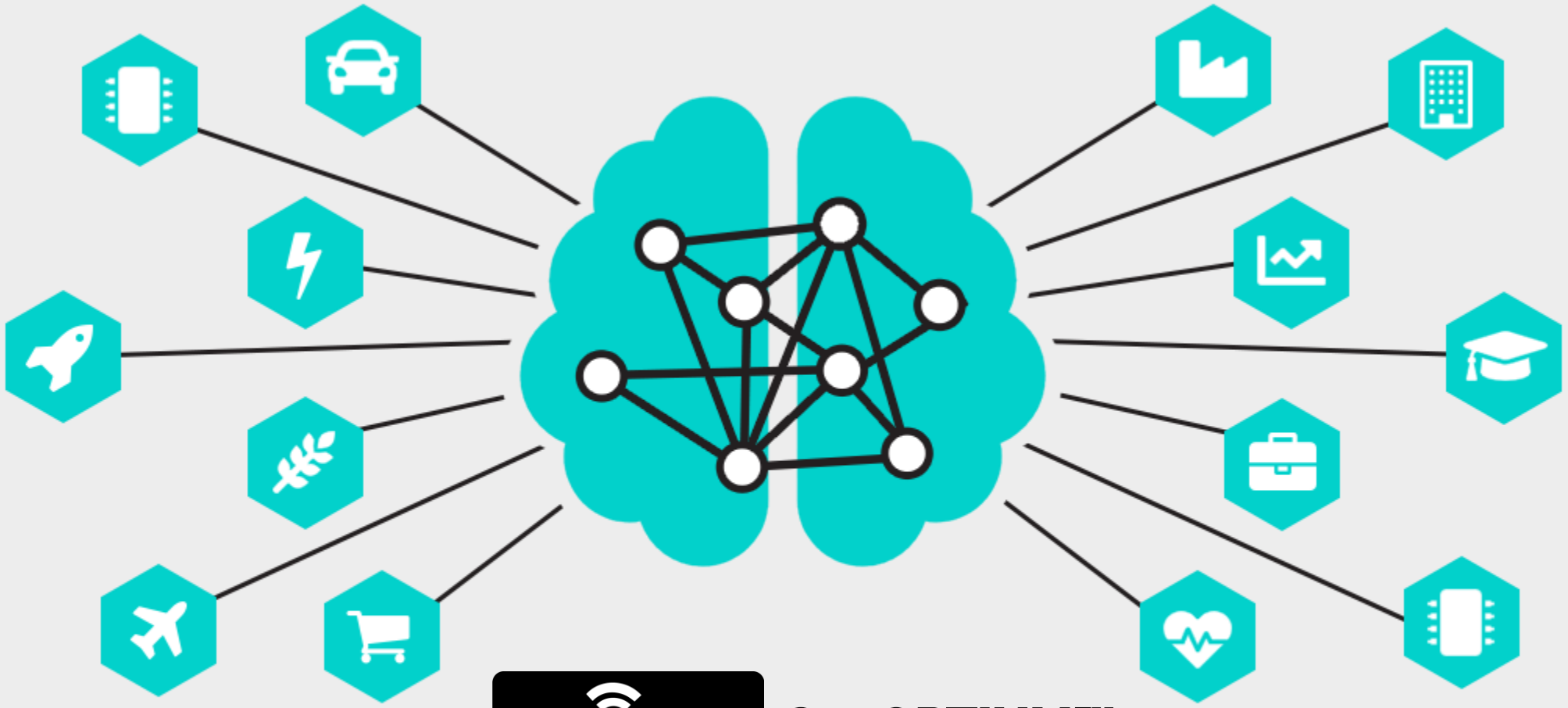


CONiGITAL
CONNECTED DIGITAL

ConOPTIUM™

AI Platform for Decision-Making

Our Vision: Democratise AI And Empower Every Person and Organisation

As Industrial IoT, sensors and Cloud transforms business, data-driven decisions become more and more challenging due to the volume of data.

Circa 90% of all data generated will never be used and is simply NOISE – IBM.

90% of all data generated will never be used and is simply just noise - IBM

Challenges Faced By Industries

Today's AI Algorithms work on a fixed set of parameters to define a fixed set of answers. They are defined as 'Artificial Narrow Intelligence' (ANI) or Narrow/Weak AI, capable of performing one task well.

Industries Need A Solution

As Industries embrace the future of digital transformation, masses of data is generated, creating the need for an AI Multi decision-making platform – 'Artificial Complex Intelligence' or ACI.

ConOPTIUM™ Is The Solution

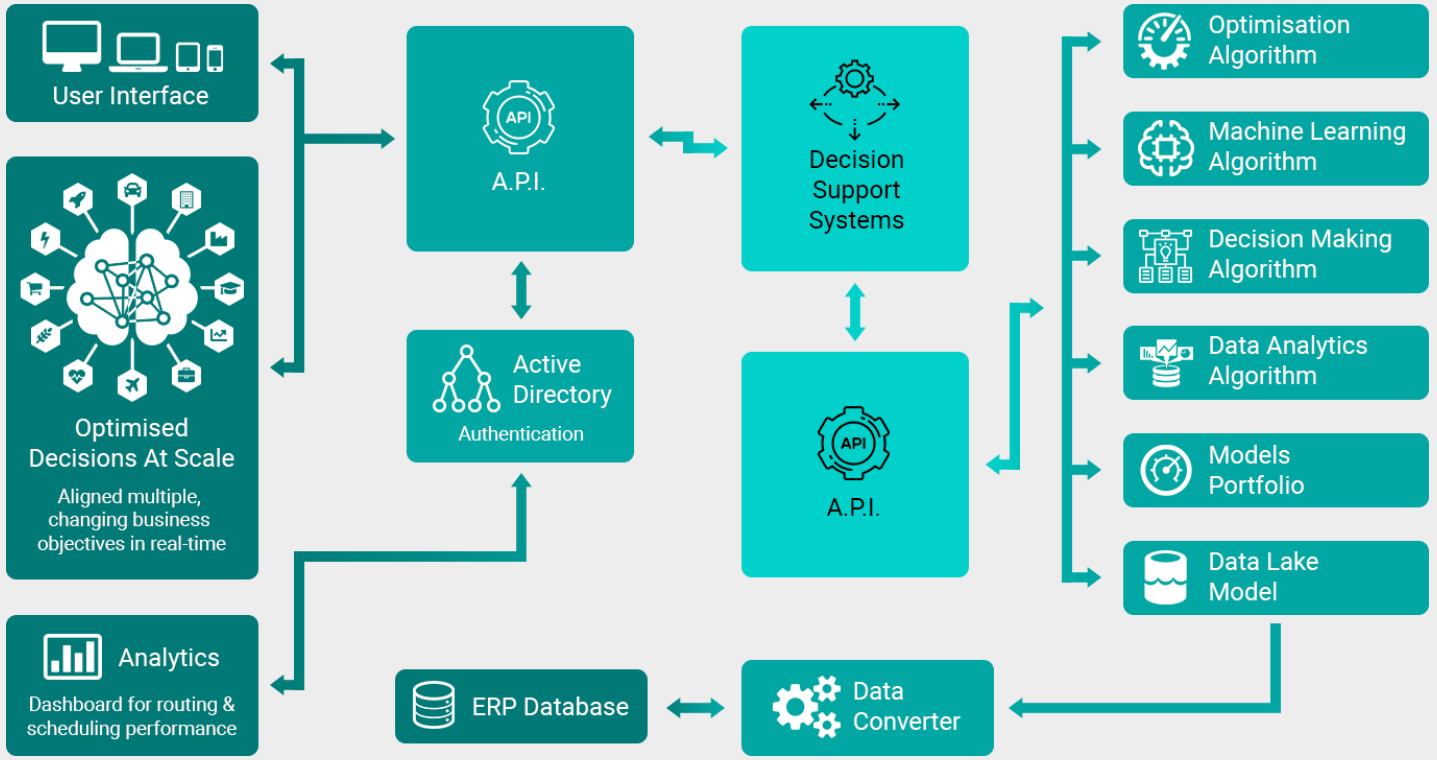
Conigital's AI Decision Platform, ConOPTIUM™, provides companies and industries with unlimited data optimisation capability in near real-time. ConOPTIUM™ is an ACI, making multiple complex decisions at scale.

ConOPTIUM™

Our AI Multi Decision-Making Platform

Takes in all types of data to give you optimized decisions at scale in real-time.

Provide transparent solutions to give you full control and clarity for real-time business insight.



Total Transparency

ConOPTIUM™ will give you real-time business insight that is transparent. Meaning you always have control.

Real-Time Solutions

ConOPTIUM™ works in real-time, calculating billions of combinations, giving you optimised decisions at scale.

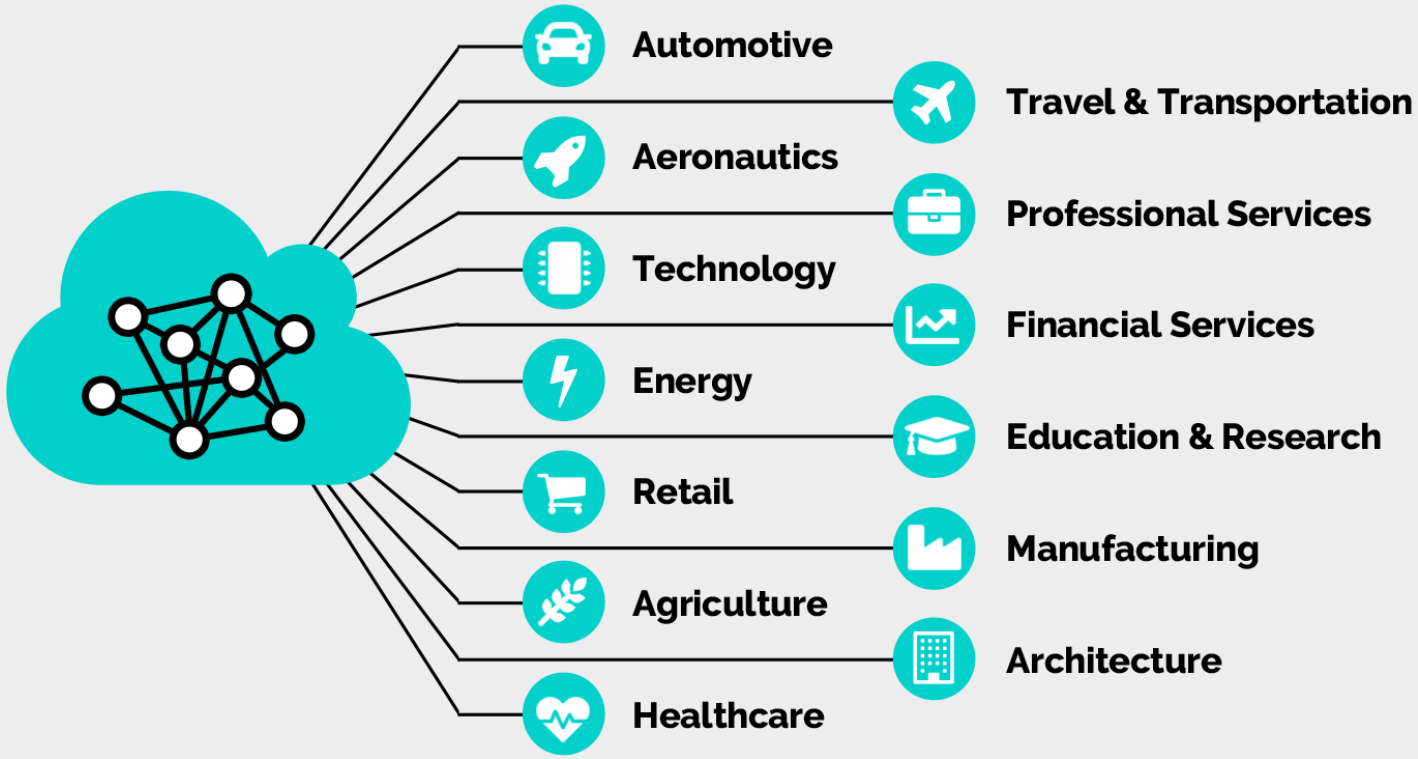
Microsoft Integration Benefits

ConOPTIUM™ is cloud based and fully compatible with Microsoft packages.

Conigital

ConOPTIUM™ + Microsoft Azure

ConOPTIUM™ combined with Microsoft Azure, the Cloud computing platform, makes for a perfect partnership, bringing you a powerful cloud based AI decision-making platform. Azure supports varied operating systems, tools, databases, programming languages, and, devices – the perfect solution for any business or industry.



Total Control + Management

Combining ConOPTIUM™ and Microsoft Azure will benefit your organization to deploy and manage our AI decision-making platform easily, allowing you full control.

Agility + Scalability

ConOPTIUM™ and Azure are fast in terms of deployment, operation, and scalability. This will give you a competitive advantage, with the most up to date cloud technology.

Storage + Speed

ConOPTIUM™ excels with Azure, having several data centers and delivery points, facilitating faster content delivery and optimal user experience in real-time.

ConOPTIUM™ Case Study One

Offshore Windfarm - Link

One of the worlds UK's largest producer of low-carbon electricity and supplier of electricity in the UK wanted to invest in wind farms.

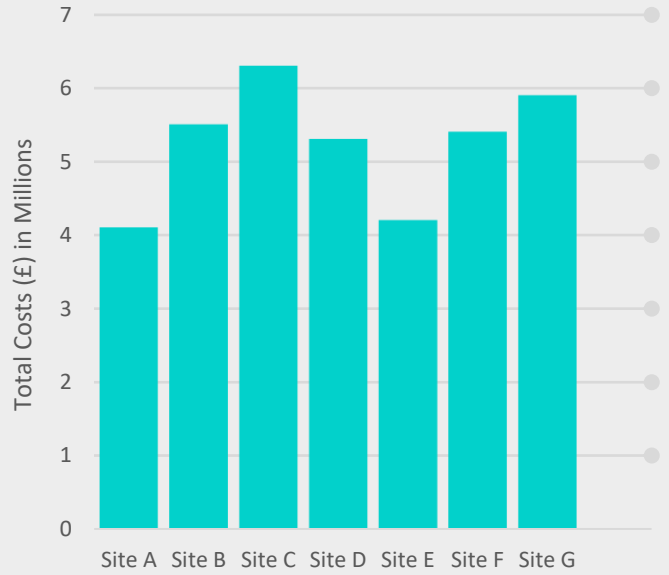
Problem Statement

They wanted to know what site they should invest in, the cost of building and operating the Wind farm and optimal layout of turbines.

Solution

An 8 objective optimisation algorithm taking into consideration many operational constraints, at 17 sites, optimal layouts and a economic sensitivity analysis.

Wind Farm Cost per MegaWatt



Output

A detailed report comprising of a breakdown of all the given sites and the associated costs of developing an optimally laid WF. The Costs of the deployments ranged from £1.6 BN to £1.8 BN across the 17 sites analysed.

ConOPTIUM™ Case Study Two

Airport - Link

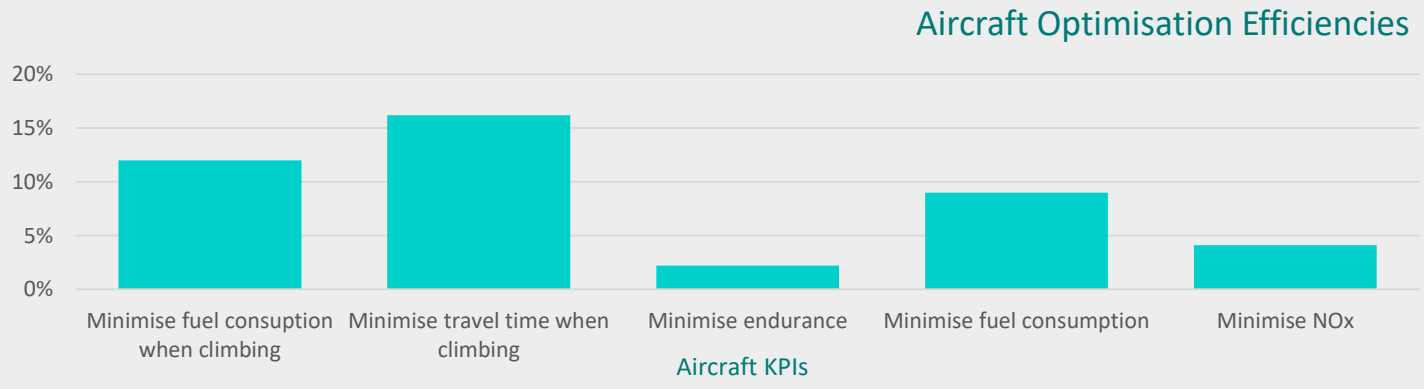
One of the world's largest airports wanted to optimise fuel and travel time costs between the itself and a West Europe Airport.

Problem Statement

Heathrow airport wanted to optimise fuel and travel time costs between Heathrow airport and Schiphol airport.

Solution

Using a multi objective optimisation algorithm to take into consideration many operational constraints to reduce fuel and travel times costs.



Output

The algorithm found the optimal routes between Heathrow to Schiphol, creating cost savings off.

a. Case 1:
   i. Minimise fuel consumption when climbing: 12% from base line { (1250 - 1100) / 1250 = 12%}
   ii. Minimise travel time when climbing: 16% from base line { (860 - 720) / 860 = 16%}

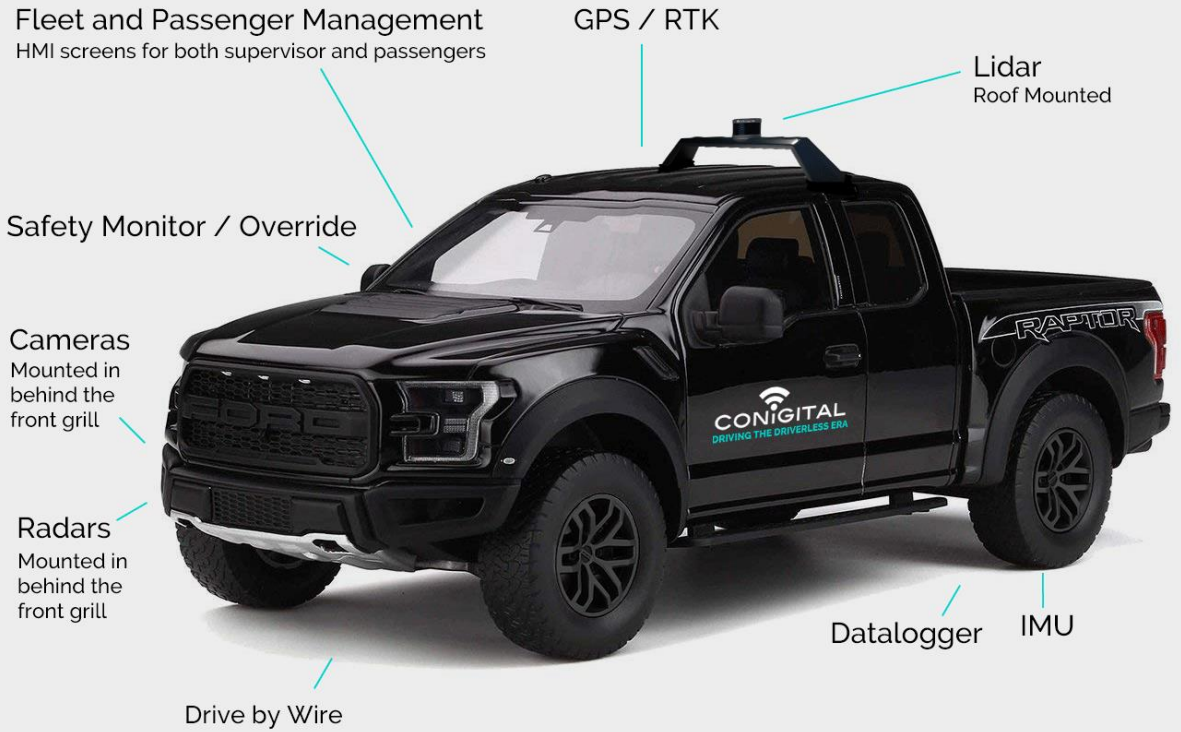
b. Case 2:
   iii. Minimise endurance: 2% {(47.05 - 45.92) /47.05}
   iv. Minimise endurance: 2% {(47.05 - 45.92) /47.05}
   v. Minimise NOx: 4.3% {(49.38 - 47.22) / 49.38}

Live ConOPTIUM™ Projects

Autonomous Vehicles

We currently have a number of live (£multi-million) Driverless Vehicle projects in cities all over the world, powered by our L4/L5 “lift and shift” autonomous vehicle platform ConICAV™.

ConOPTIUM™ empowers real-time decision-making, path planning and object classification.



Driverless Problem

A number of Smart Cities, Airports and other high traffic destinations are integrating driverless vehicles as part of their transport strategy.

Driverless Solution

The ConOPTIUM™ platform was the perfect solution to overcome complex, real-time decision-making scenarios for our driverless vehicle platform and in-house AI concierge.

Project ‘Ute’

We are tasked with supplying an Australian client transport agency with driverless utility vehicles and Kangaroo detection and avoidance system. Website Link.

How ConOPTIUM™ Can Help You

Decision-Making Across Multiple Industries

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Visit us online: www.Conigital.com

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