



Total Airport Capacity Optimisation

Ruud Ummels

Serving the aviation community by **designing** and **optimising** airport and airspace **operations**

Our mission

to society and industry address current and future aviation challenges by delivering outstanding, independent consultancy services and re

Operational Knowledge



Our team has significant experience in airspace and airport operations that helps us understand the operational goals and challenges of our clients.

Pragmatic Solutions



We complement our operational expertise with analysis and research capabilities which, combined with effective consultancy leadership, offer pragmatic solutions to help our clients improve their services.

Sustainable Aviation



We strongly believe in sustainable air travel and help our clients identify actions that contribute positively to climate change.

Founded in The Netherlands in 2000, we now have a global team of experts based in a network of offices in Europe, Asia, Australia, and the Americas. Our strength is in our ability to understand the **local** context of our clients' challenges and provide **global** experience to identify effective and pragmatic solutions.

>22

Years experience

15

Offices

>250

Clients

>4,000

Projects

>140

Employees

“A system is only as fast as its bottleneck process.”



Schiphol asks airlines to cancel flights as long queues build again

September 12, 2022

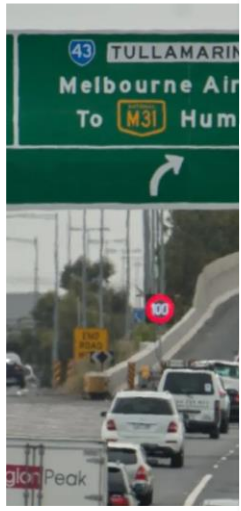


Home Office admits Heathrow queues 'unacceptable' as airport criticises Border Force over immigration checks

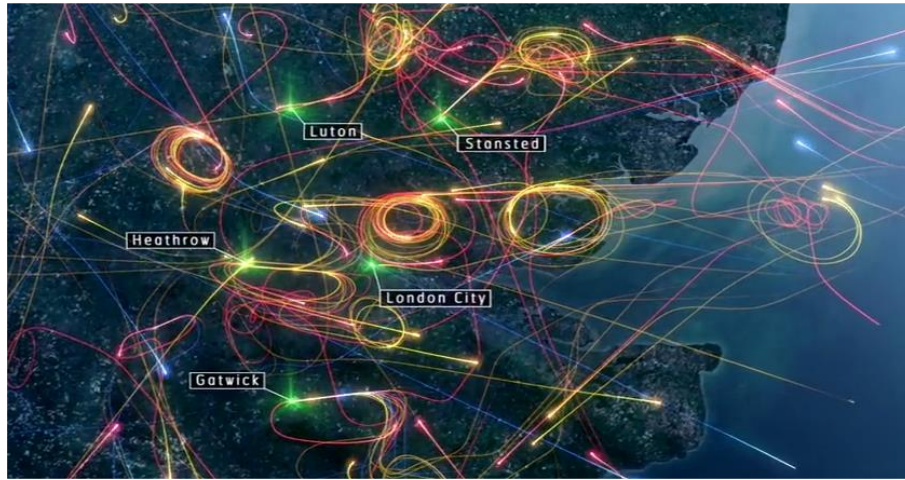
Passengers complain of 'shambles' after being forced to wait for as long as five hours



Melbourne Airport begs link, warns Tullamarine faces gridlock



UK air traffic controllers warn of over-crowded skies



Unclaimed luggage piles up at airports following Southwest cancellations

ises fewer delays at country's



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Methodology

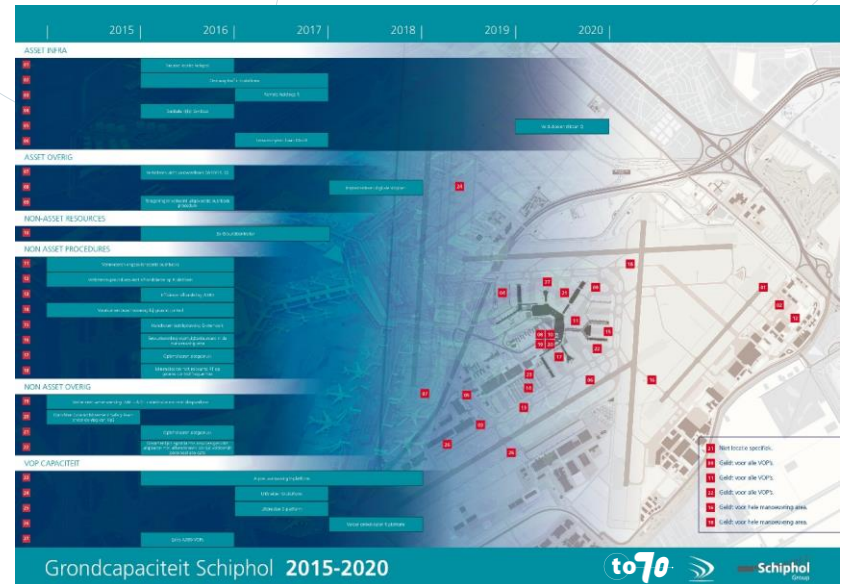
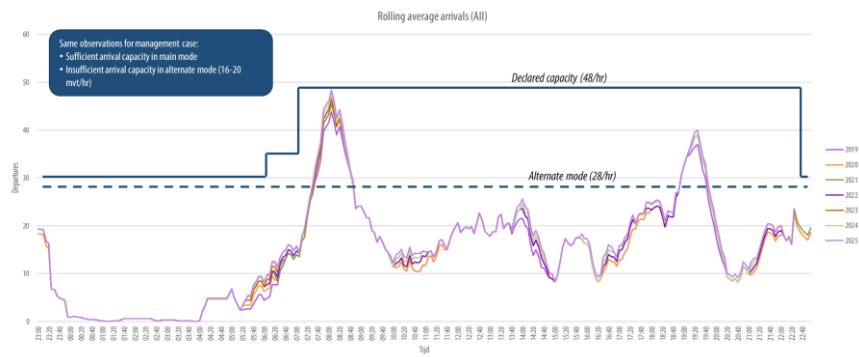


Observe

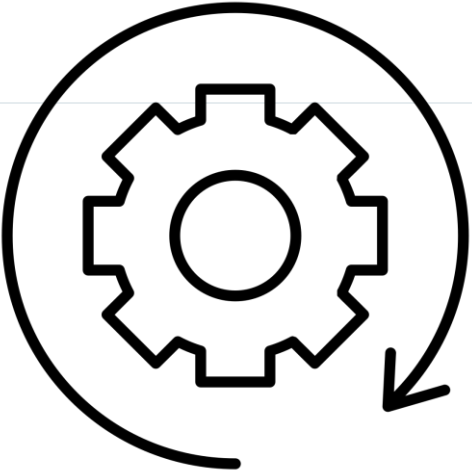
Analyse

Simulate

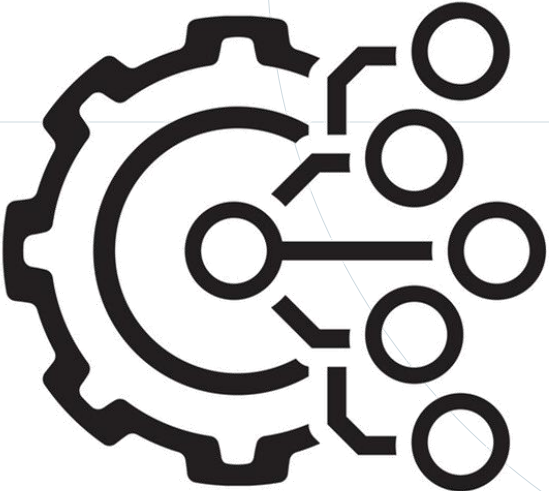
Roadmap



Capacity Optimisation Roadmap



Process



Technology



Infrastructure



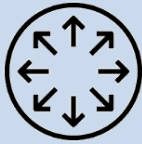
CAPEX



OPEX



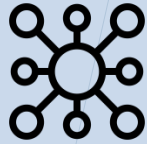
Technical feasibility



Capacity



Complexity



Interdependency

Benefits

- ✘ The identification of current and potential future **bottlenecks** that may impact the performance and reputation of the airport
- ✘ The identification of **quick wins** to help manage and improve peak times
- ✘ Improvement in **data and information quality** through a single point of truth
- ✘ Independent validation of **investment plans** to reduce the risk associated with capital spending
- ✘ Opportunities to improve complex **airport stakeholder engagement** through greater information transparency
- ✘ Confidence that you have the **best sequence of investments** to achieve timely capacity growth





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Edinburgh, Geneva, Medellín, Melbourne
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