

Aviation of the Future

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The aviation industry has been at the heart of our success as a nation
for the last half a century

NATS₂

Aviation of the Future



- More types of air vehicles
- Greater range of activities
- All sharing the same airspace



Technology Challenges

- SAFE – knowing where everyone is
- OPTIMISED – getting everyone there on time
- SUSTAINABLE – getting to net zero carbon

SAFE – knowing where everyone is

NATS

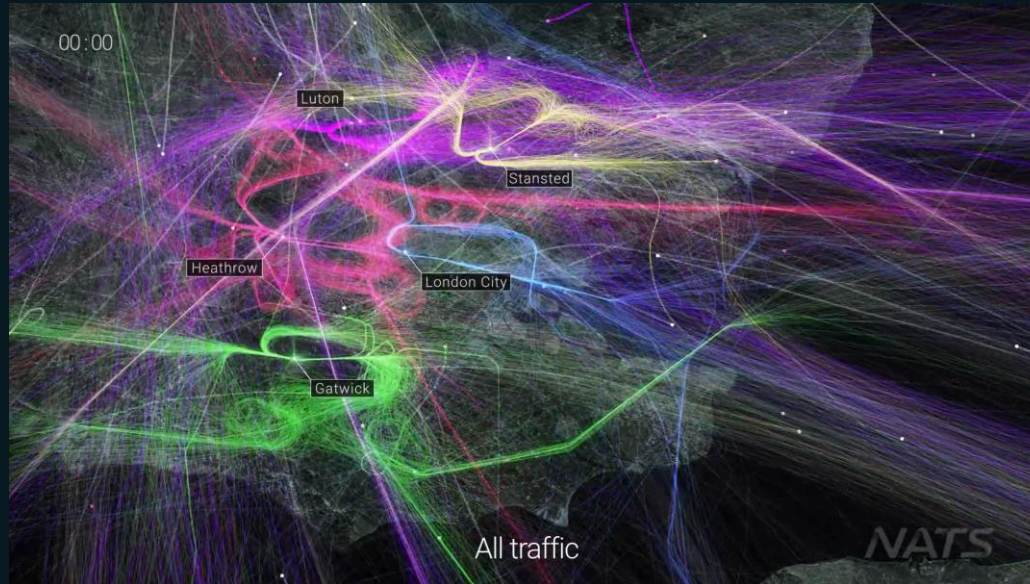


OPTIMISED – getting everyone there on time

- Making best use of existing assets
- Intelligent Approach aims to safely optimise arrival spacing to:
 - maximise runway capacity
 - maintain operational resilience
 - provide better on-time performance
- Developing AI to:
 - Compliment human expertise
 - Improve operations in low visibility

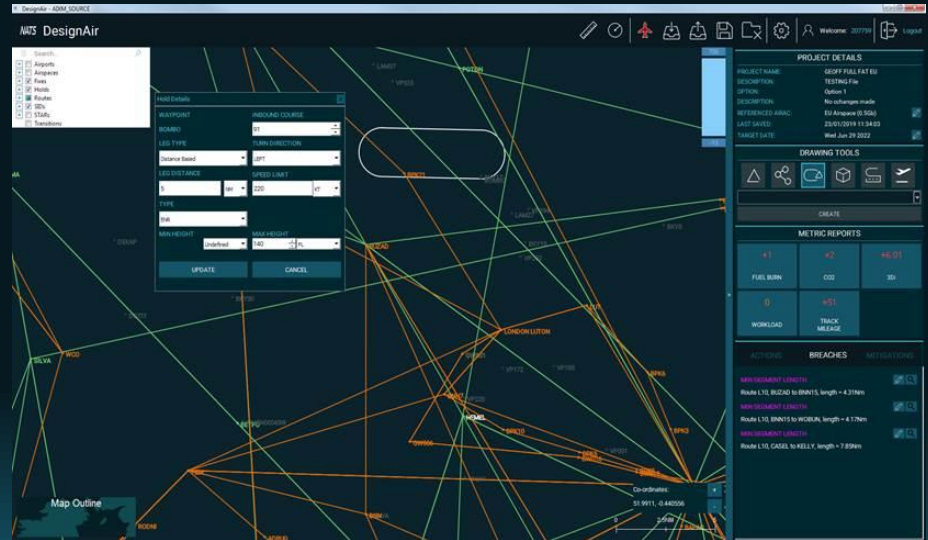


Sustainable – getting to net zero carbon



Modernising UK Airspace

- Delivering fuel efficient routes
- Delivering noise efficient routes
- Maximising access for all airspace users
- Continuing to deliver connectivity and capacity



Thank you

