



Delivering Solutions

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07 March 2018

World ATM Congress



Founding Members



EUROPEAN UNION



EUROCONTROL

“Technology is like a fish. The longer it stays on the shelf, the less desirable it becomes”

André Heller (Austrian author)



**Exploratory & Applied
Oriented Research**

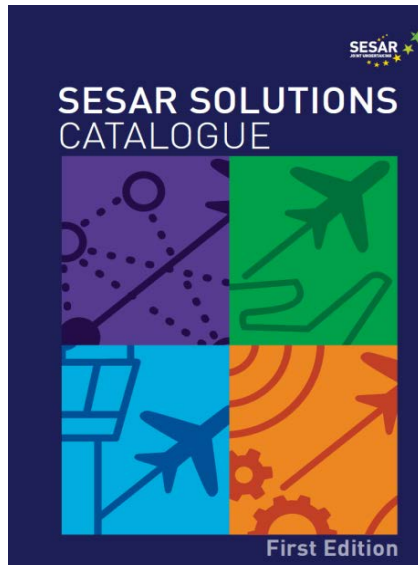
**Industrial Research
& Validation**

**Demonstration
Activities**

SESAR Solutions Deployment

SESAR 1 achievements

63 tech solutions delivered



+11%
Airport
capacity



-39%
flight
variance



-5,3%
costs



-2,4% fuel
per flight

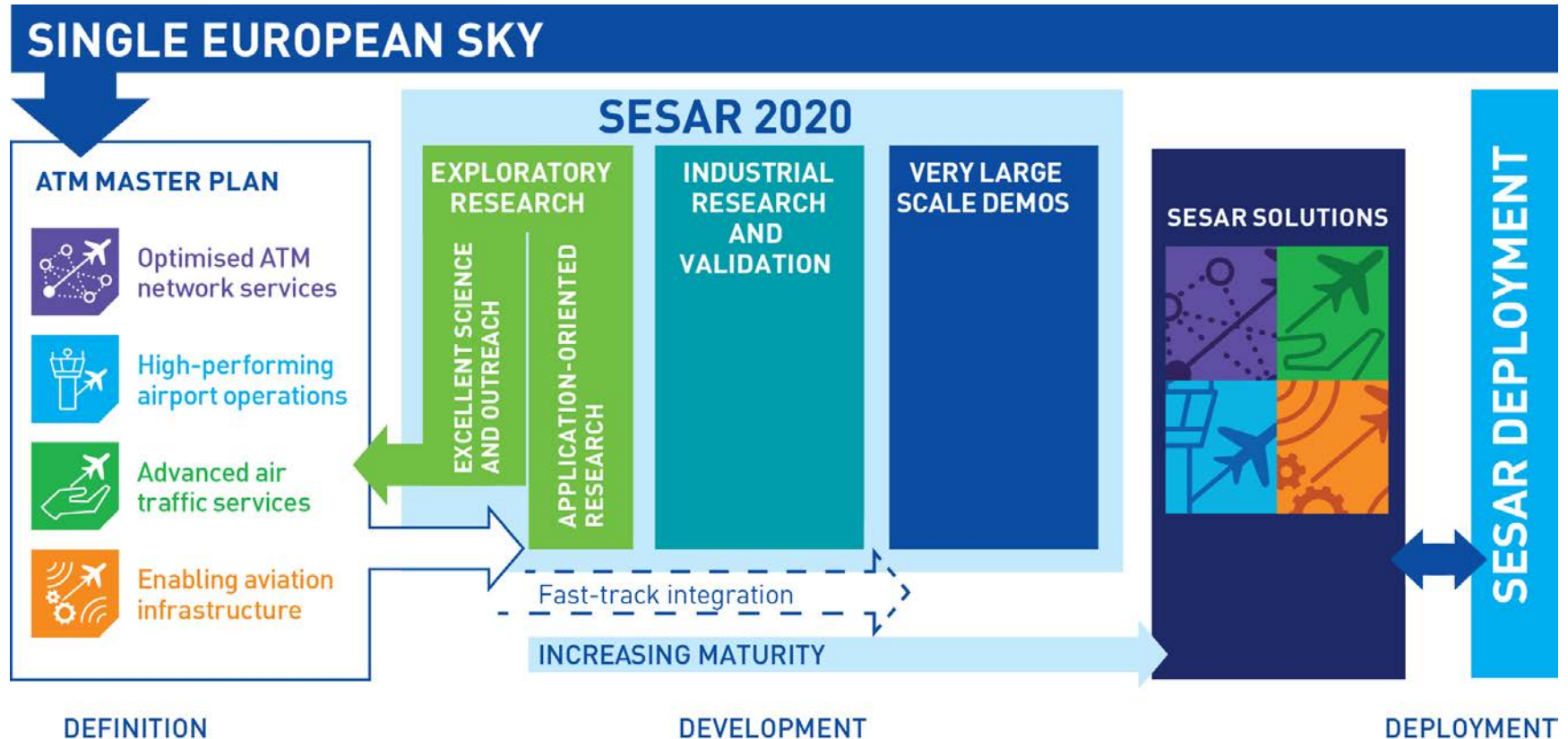


Solution deployment activities



60% synchronised deployment
(Pilot Common Project & Common Project 2)
20% in local deployment

SESAR 2020 Programme...



Exploratory Research : 45 Projects (9 RPAS) – 38,6 M€

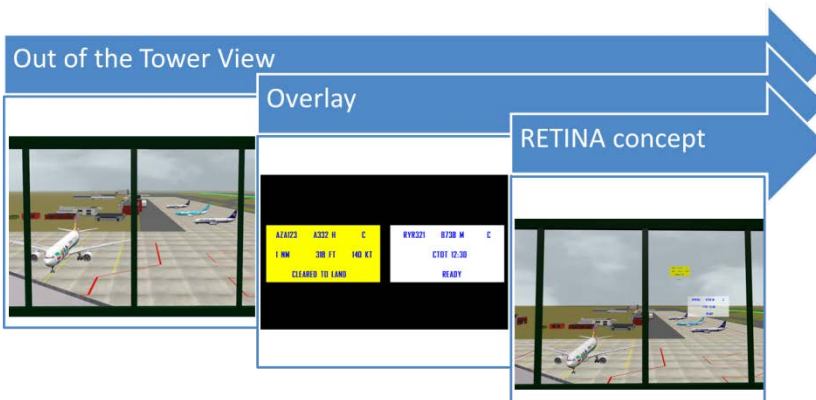
Industrial Research : 20 projects – 208,8 M€

VLD : 13 projects – 54,9 M€

Ongoing calls: U-Space & Geo-fencing – 10,5 M€

Towards Digitalisation

- A set of goggles with 3D matrix-like displays overlaid on the actual “out-of-the-window” view
- Enable tower controllers to manage traffic in low-visibility conditions
- Increases resilience at airports in particular in low visibility conditions



Towards Safety – Runway Status Lights



Towards Virtualisation – Remote Tower



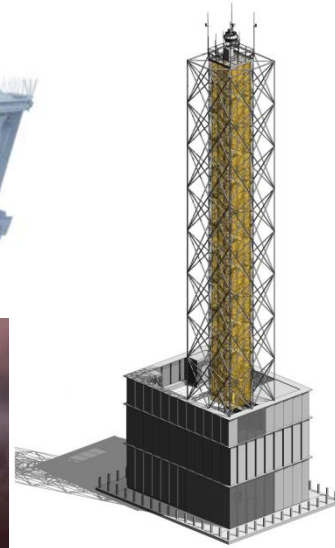
Angelholm airport controlled
from Malmö (100 km out)

+50 Live Trials

Example of local implementation: Remote Tower centres



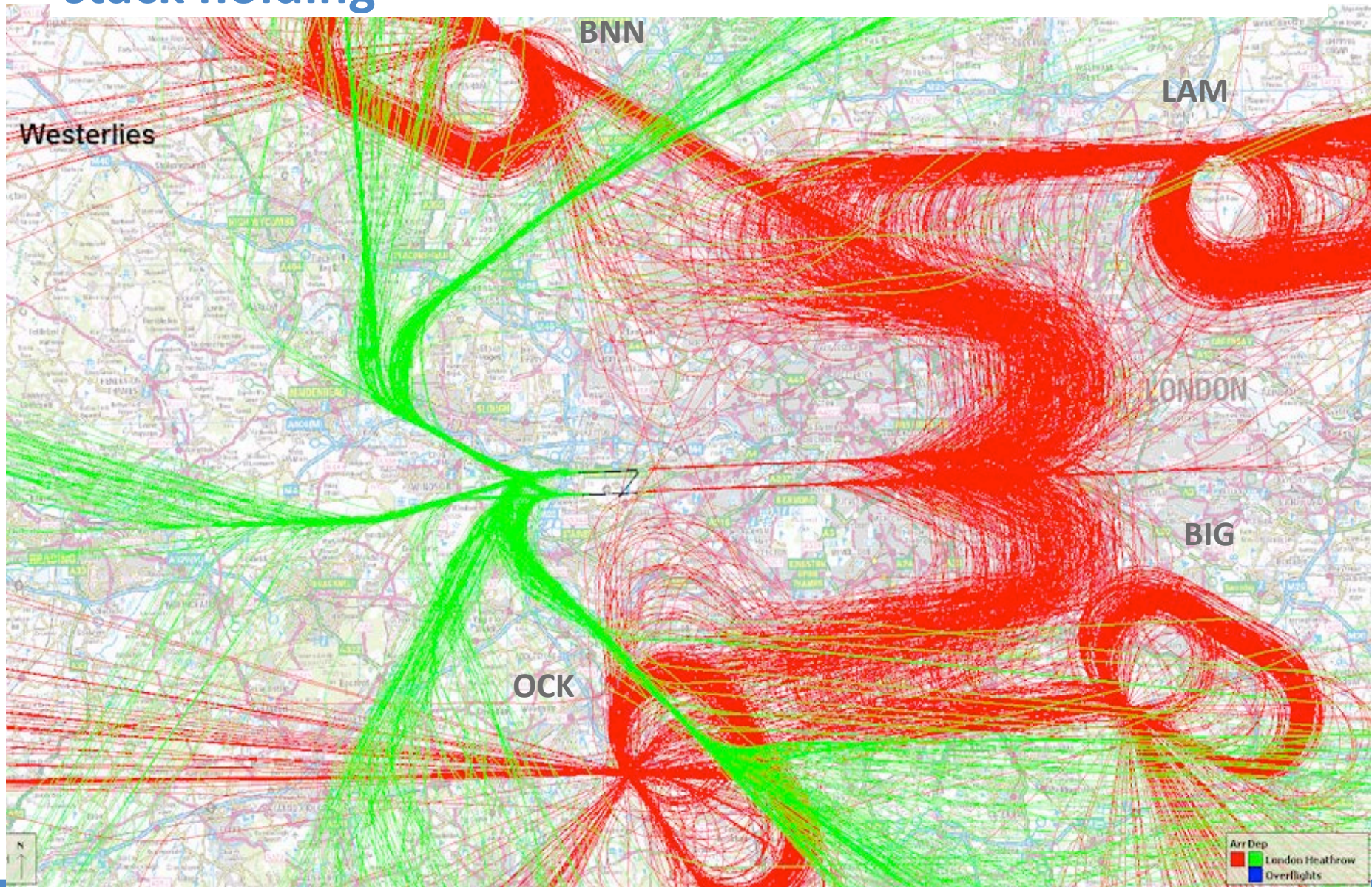
Remote Tower Demonstrator Swanwick Airport



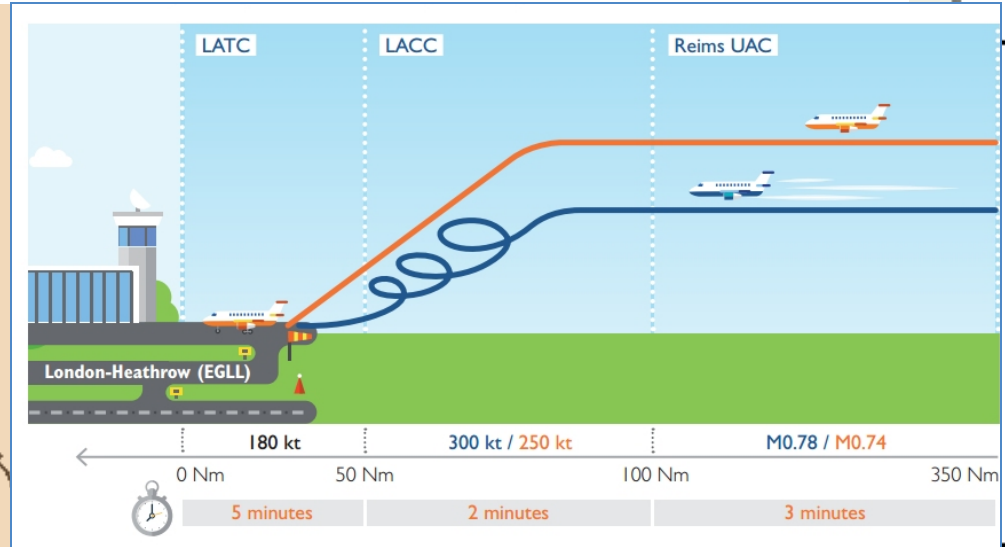
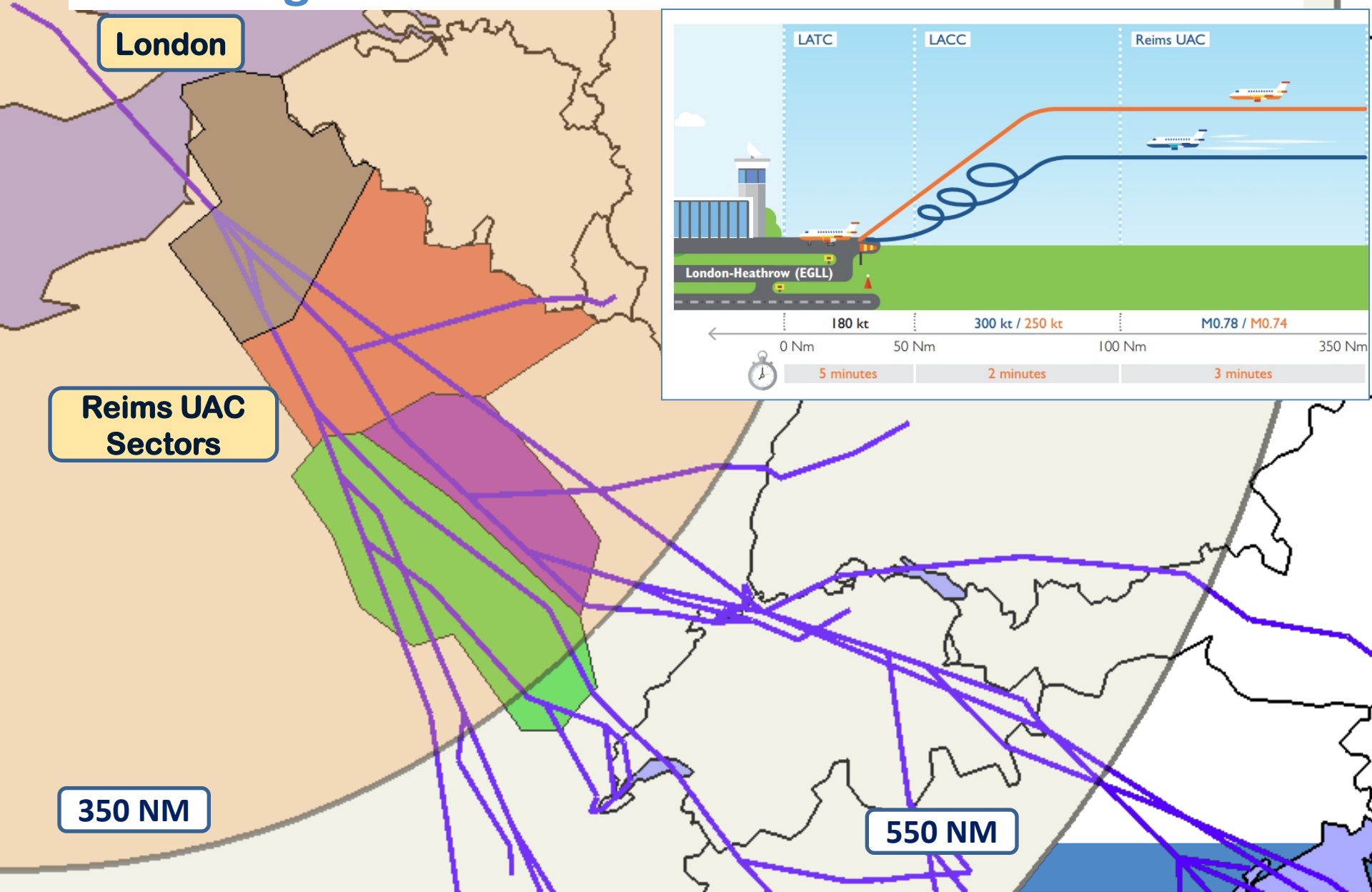
Example of local implementation: Remote Tower centres



Towards Greener Operations : the problem – stack holding



Towards Greener Operations : the solution – Extending the Horizon into Reims UAC





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