IRIS

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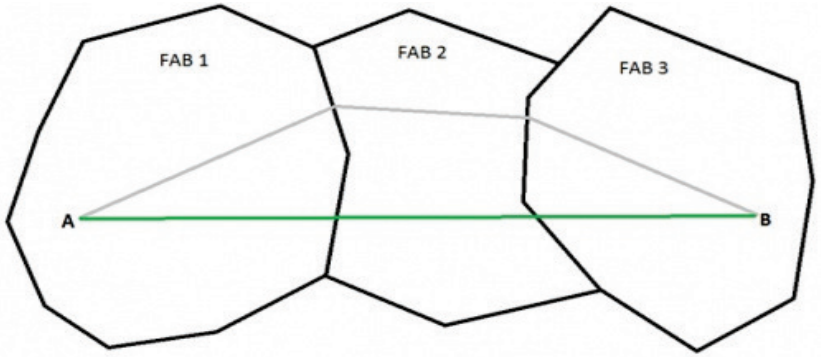
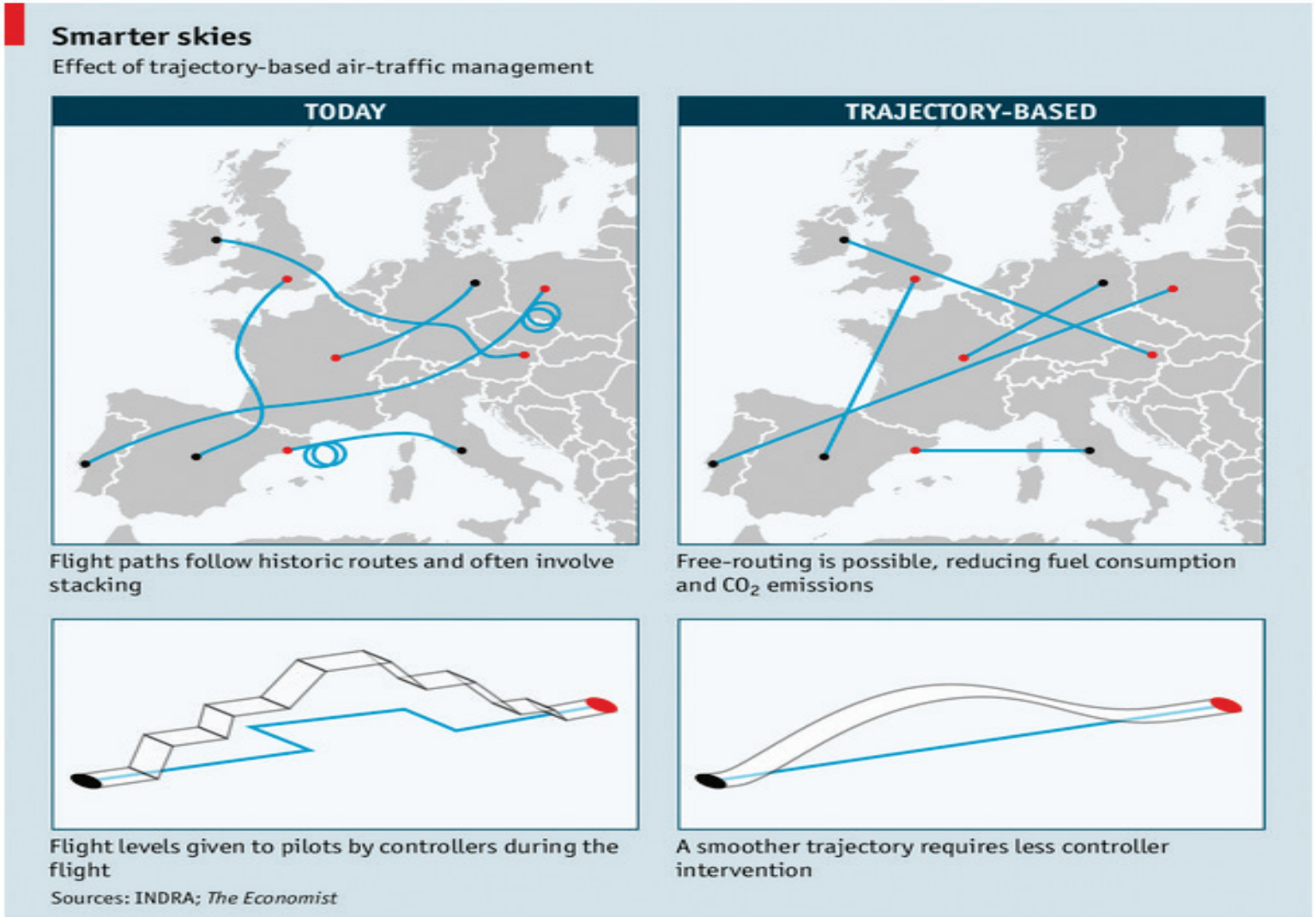
North Sea
Latvia
Lithuania
Denmark
Kingdom
Belarus
Poland
Germany
Ukraine
Kyiv
Moldova
Chisinau
Romania
Hungary
France
Bay of Biscay
Andorra
Monaco
Italy
Tyrrhenian Sea
Spain
Montenegro
Kosovo
Tirana
Albania
Macedonia
(FYROM)
Bulgaria
Greece
Athens
Black Sea

4D trajectory management





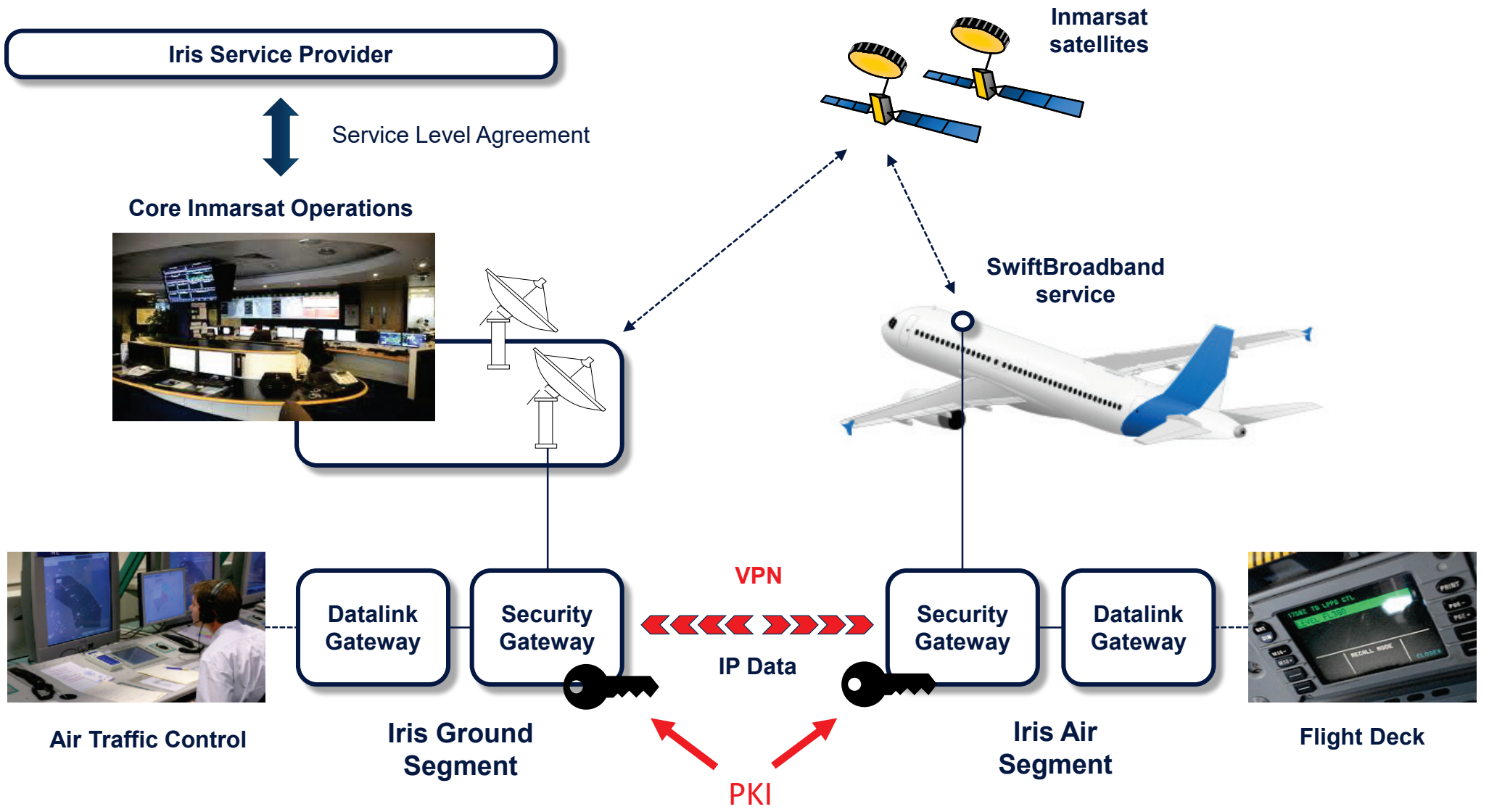
Enabling technology:

- ADS-B/ADS-C:
- CPDLC
- SWIM
- "The connected aircraft"
  - AeroMACS
  - LDACS
  - SATCOM (**Iris**)

SINTEF

Iris: A SATCOM system for 4D trajectory management

Iris architecture



Inmarsat SB-S approved by U.S. Federal Aviation Administration for operations and safety communications

Approval represents latest official endorsement of the world's first and only IP connectivity solution for digital aircraft operations and safety

7 May 2019: Inmarsat, the world leader in global mobile satellite communications, today announced that it has received final approval from the U.S. Federal Aviation Administration (FAA) for its SB-S digital airline operations and safety platform.

The FAA has validated the capability of Inmarsat SB-S to support air traffic services by providing direct datalink communication between pilots and Air Traffic Control (ATC). The letter of approval highlights the future potential of this 'first-of-its-kind' service, stating that SB-S technology "provides diversity and potential for advances of capability that will further maximise operational benefits and ensure safety". The endorsement follows a recommendation last year from the FAA's Performance Based Operations Aviation Rulemaking Committee (PARC).

FAA approval follows an extensive live evaluation of SB-S by Hawaiian Airlines and United Airlines, which took place between June 2015 and July 2018 on approximately 25,000 flights and seven aircraft types. Inmarsat partners in the evaluation included Cobham Aerospace Communications, Collins Aerospace, SITAONAIR, ASG and L2.

Inmarsat press release 7 May 2019

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https://infosec.sintef.no/en/