

WE CONNECT SPACE AND EARTH



Rolf Skatteboe
President and CEO



We Connect Space and Earth

KSAT is the leading provider of Ground Network Services and Earth Observation Services

HQ in Tromsø, Norway, 450 Employees

Branches in Svalbard, Oslo, Stockholm and Colorado







KSAT in the Arctic, SvalSat





KSAT
KONGSBERG
KONGSBERG SATELLITE SERVICES



Blue Ocean
Monitoring illegal fisheries

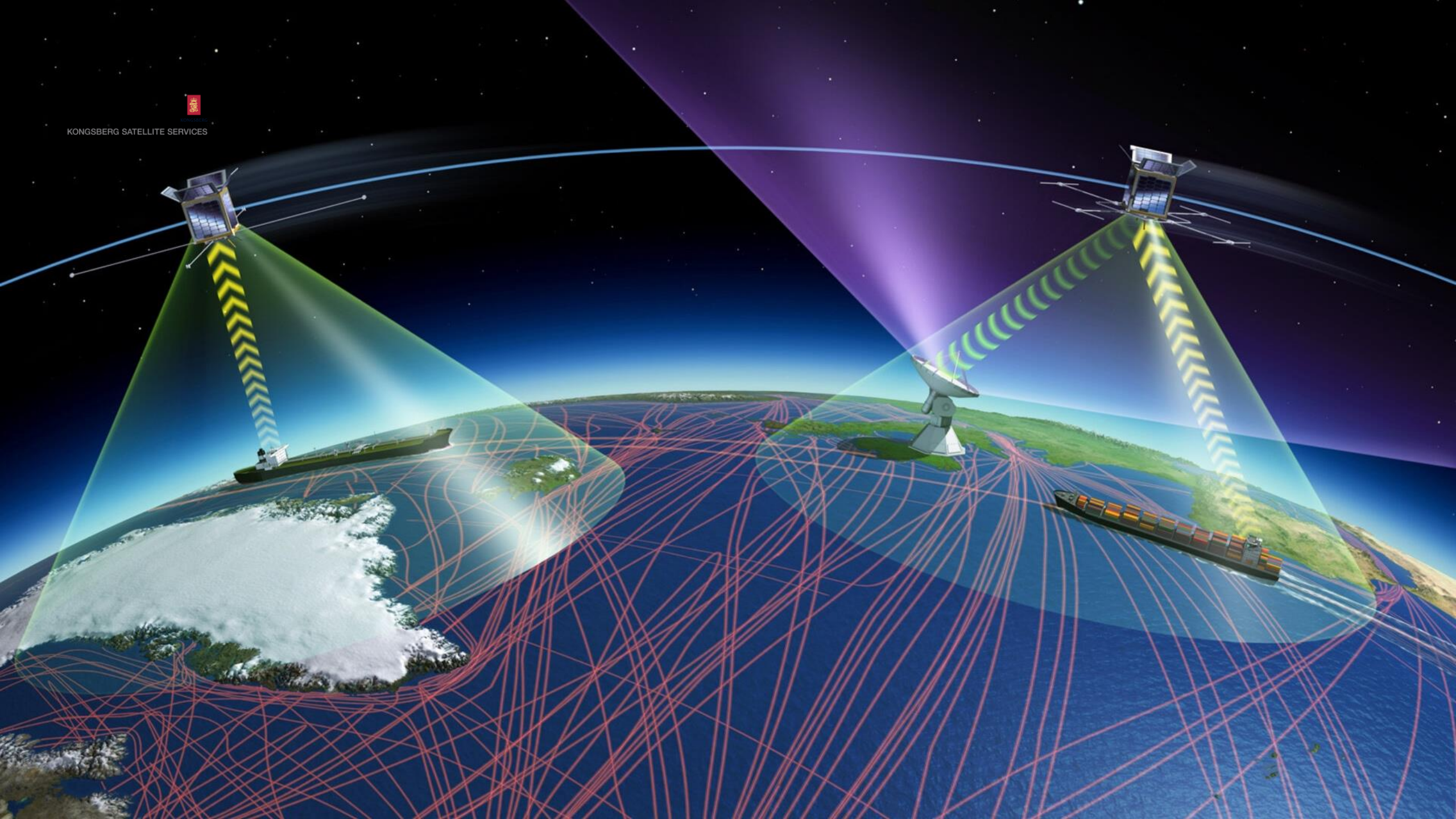


**NICFI:KSAT is in charge
of delivering
information to the NICFI
deforestation project.**



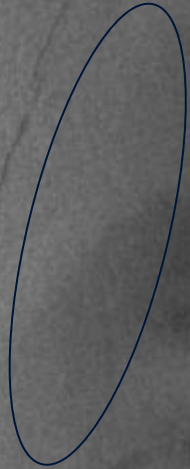


KONGSBERG SATELLITE SERVICES



Dark Target Detection



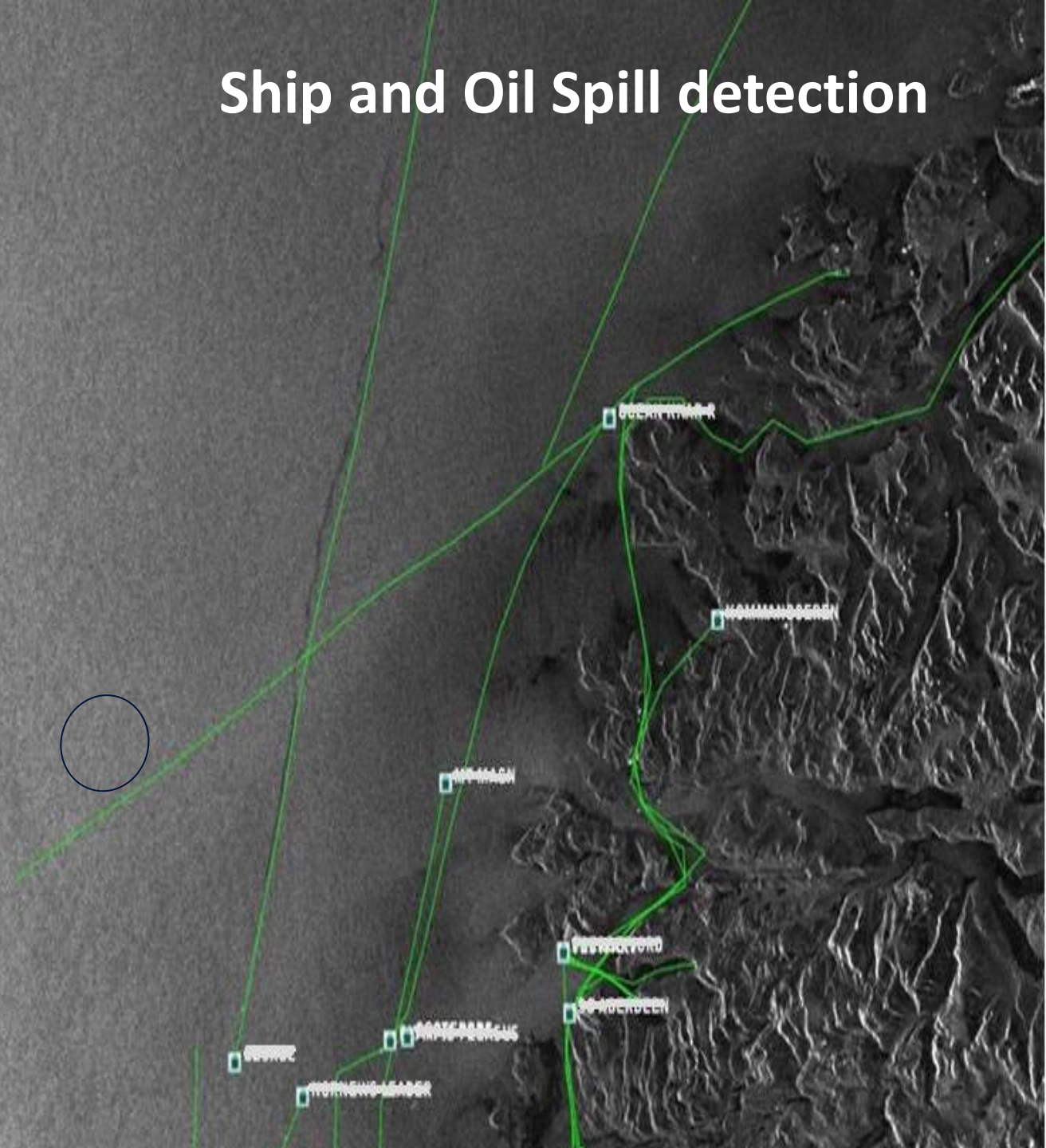


Envisat@ESA
(2004)

Oil spill outside the Norwegian coast, ships in the area. Warning with exact position, size and confidence level is given.

Cor
clos
can
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Ship and Oil Spill detection



One stop shop solution @KSAT:

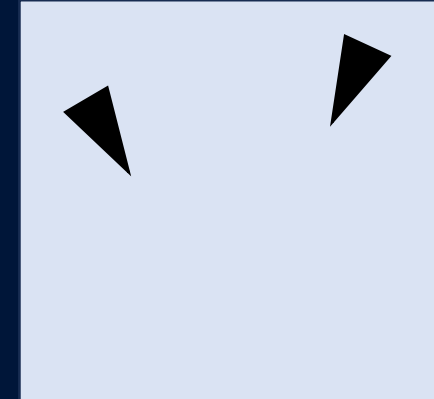
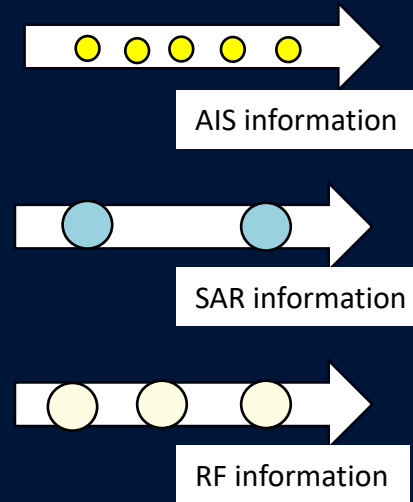
1. Multi sensor **planning** and **collection**
2. Multi sensor **detection** and **description**
3. Multi sensor **association** and **validation** to confirm target
4. Multi sensor **tracking** across time and space
5. Near **real time** dissemination



Various satellite sensors

Simplified overview: Relevance for maritime monitoring

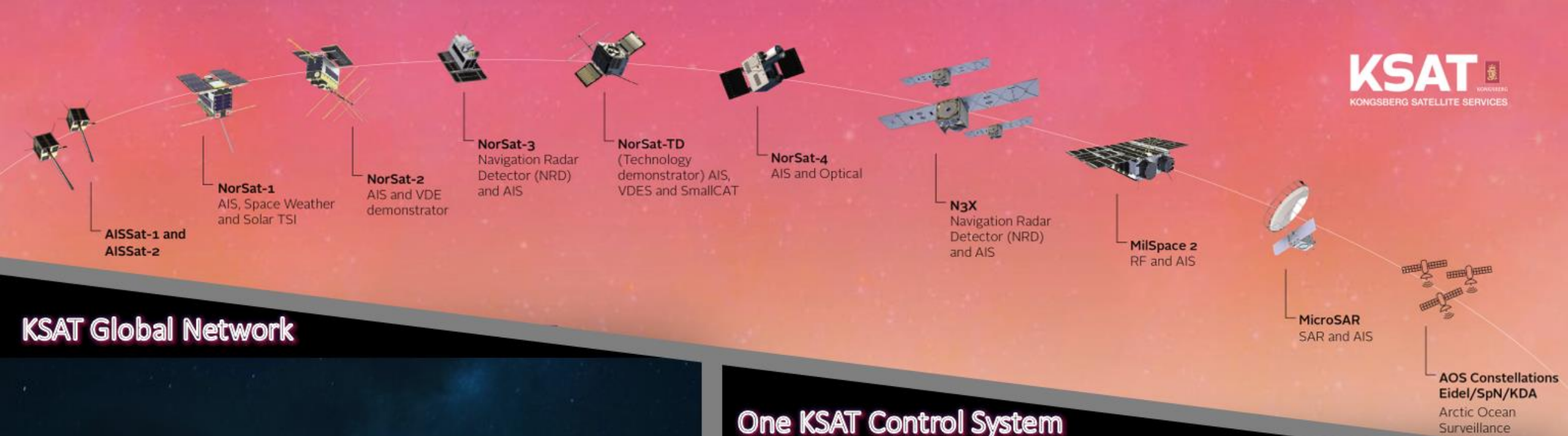
Score: Good Medium Low	Radar	Optical	Radio Frequency (RF)	AIS
Detection Accuracy	Good	Good	Medium	Good
Description Accuracy	Medium	Good	Good	Good
Data integrity	Good	Good	Good	Low
Timeliness	Good	Medium	Medium	Very Good
Relevance	Medium	Good	Good	Medium
Reliability	Good	Very Low	Good	Good



1. **Data** is continuously produced

2. Processing various data to **information**

3. A **dynamic service** with up-to-date information and uncertainty description



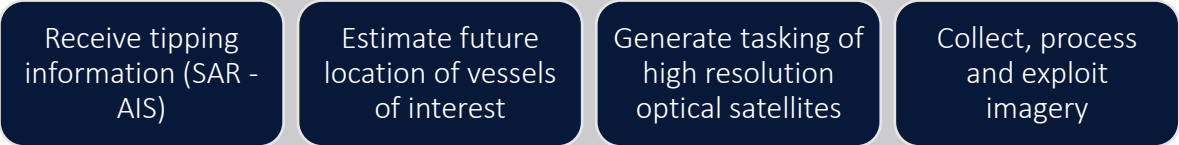
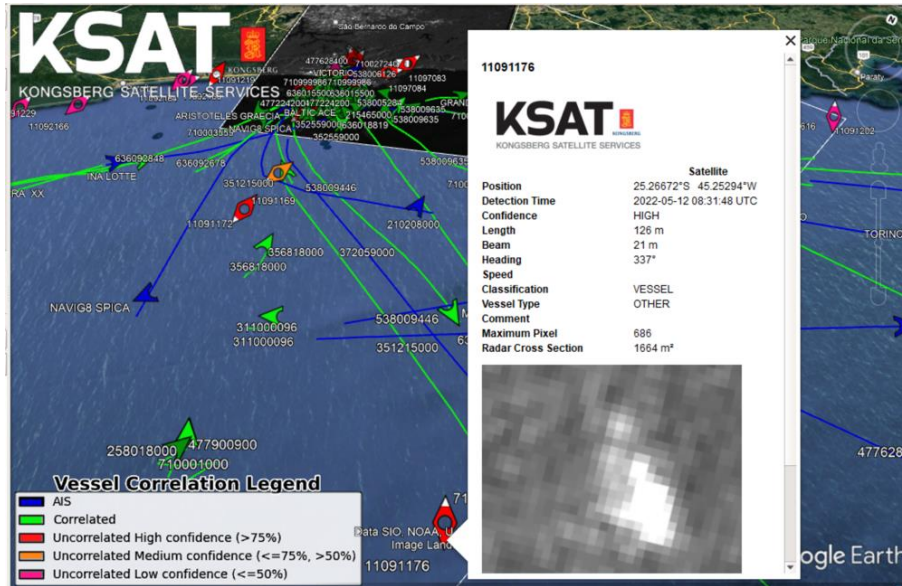
KSAT Global Network



One KSAT Control System

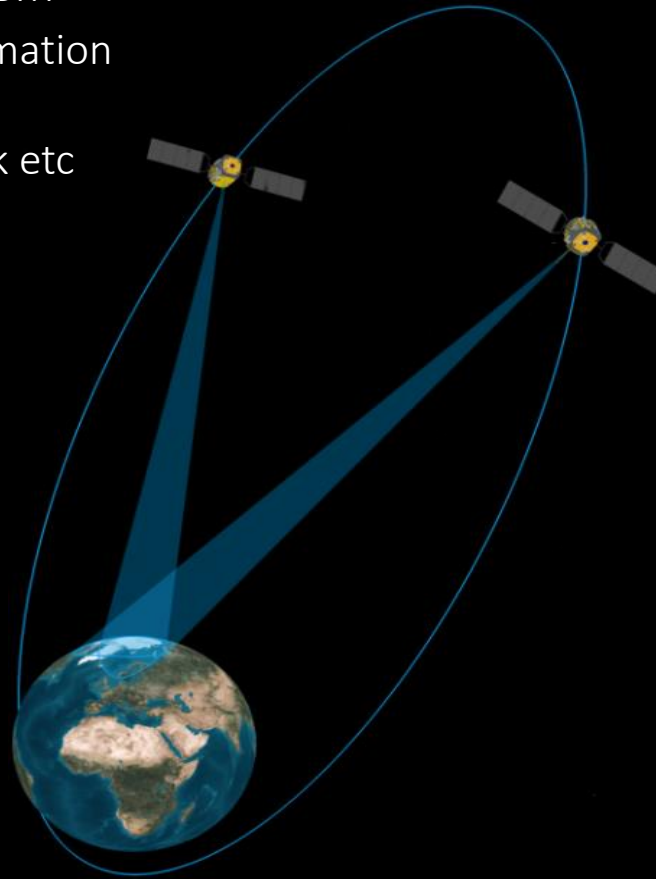


Tipping & cueing SAR, AIS and Optical



Communications in the Arctic

- Arctic Satellite Broadband Mission, ASBM
 - Increased data volumes + timely information
- Satellite constellations; Oneweb, Starlink etc





-lab

↳ Mange detaljer har tatt tid

NORWEGIAN NATIONAL VALUE CHAIN

