

Air Traffic Services Offshore on the Norwegian Continental Shelf



International and Norwegian Helicopter Operators:

- **CHC Helikopter Service - Bristow Norway – Blueway Offshore - Norsk Helikopterservice**
- **A growing fleet of more than 45 large passenger helicopters**



Busy Airspace:

2011:

- 205 000 Offshore Helicopter Movements
- 614 000 Offshore Passengers



Stavanger ATCC Sector Offshore

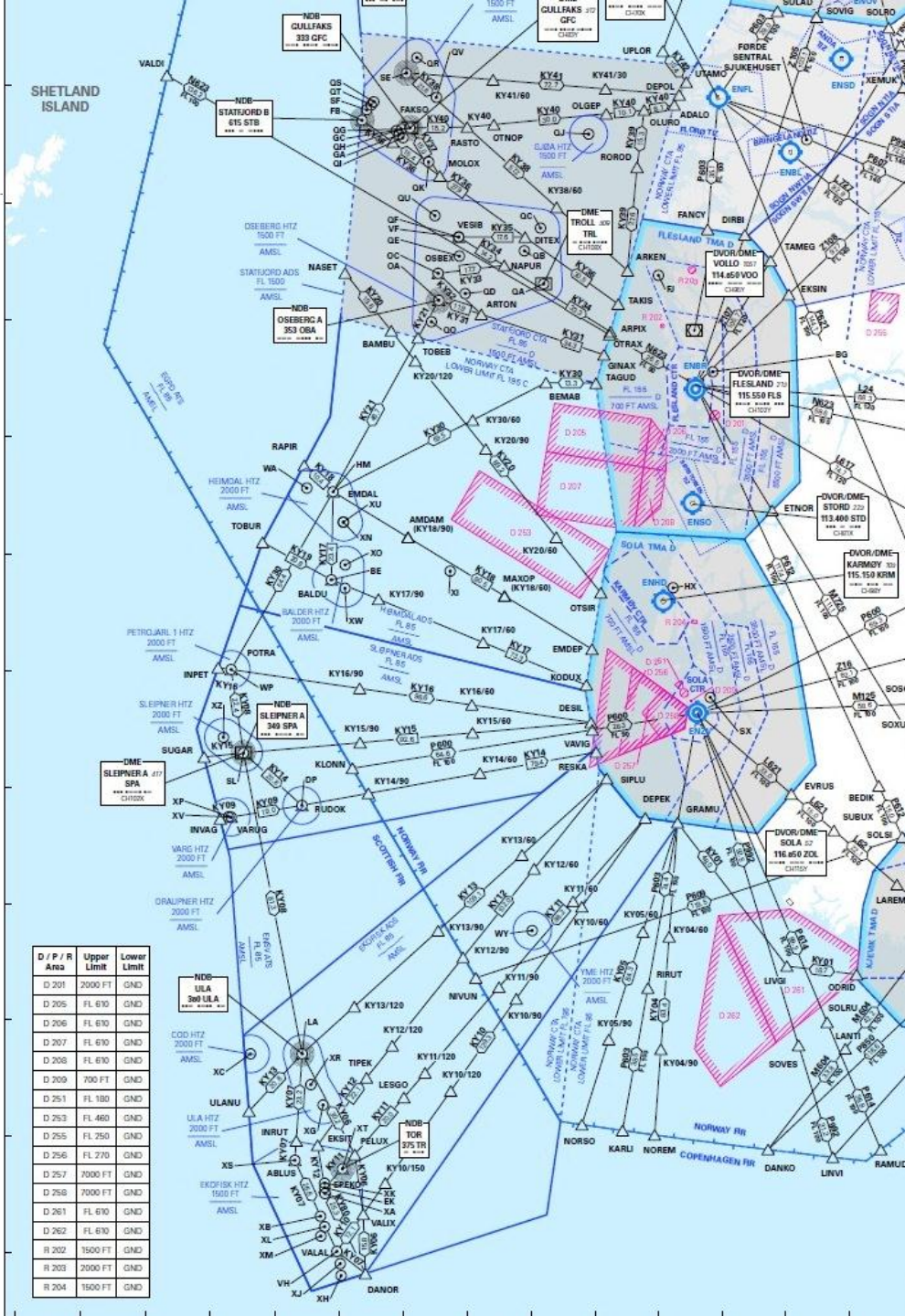


2 Air Traffic Controllers
1 Flightplan Data Officer

International Waters

Air Traffic Services on The Norwegian Continental Shelf

- Controlled and Un-controlled Airspace
- Traffic Zones
- Helicopter Routes



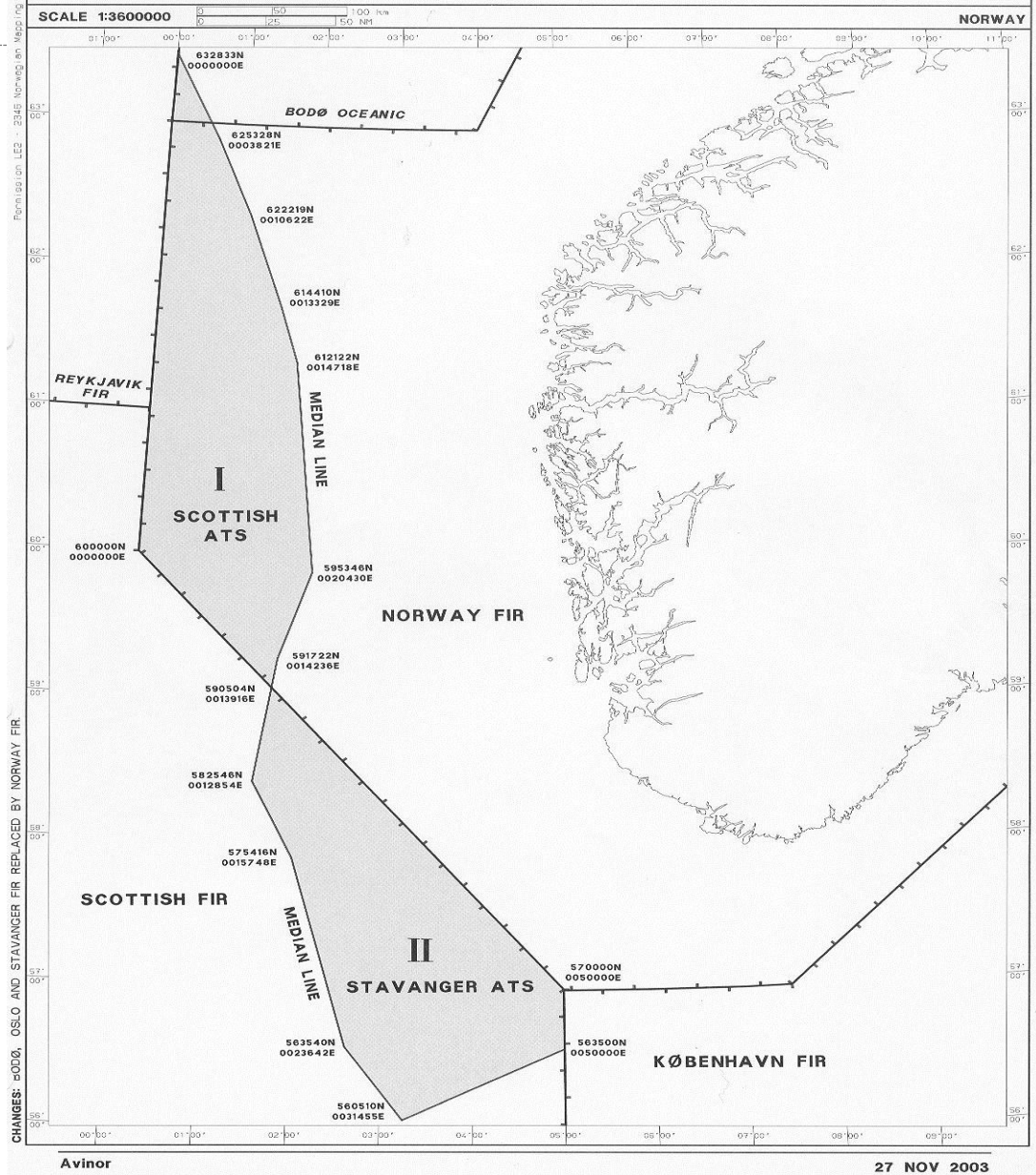
D / P / R Area	Upper Limit	Lower Limit
D 201	2000 FT	GND
D 205	FL 670	GND
D 206	FL 670	GND
D 207	FL 670	GND
D 208	FL 670	GND
D 209	700 FT	GND
D 251	FL 180	GND
D 253	FL 460	GND
D 255	FL 250	GND
D 256	FL 270	GND
D 257	7000 FT	GND
D 258	7000 FT	GND
D 261	FL 670	GND
D 262	FL 670	GND
R 202	1500 FT	GND
R 203	2000 FT	GND
R 204	1500 FT	GND

International waters

Delegated
ATS Airspace

Agreement between

Norway & UK



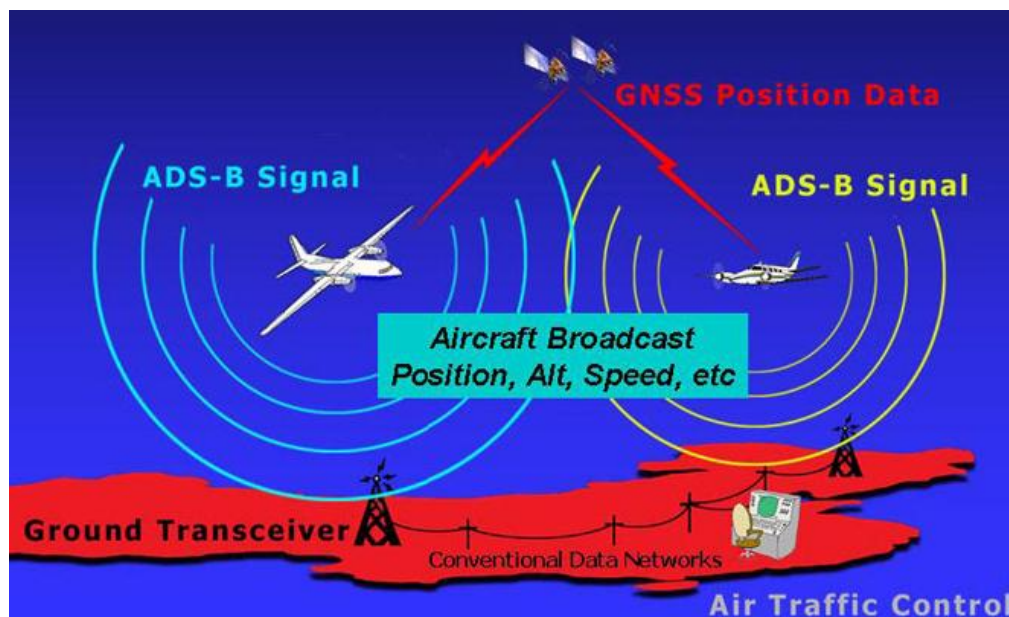
Surveillance

Radar:
Old and expensive
technology

Heidrun Radar



ADS-B:
New and less
costly
technology
for the future



ADS-B



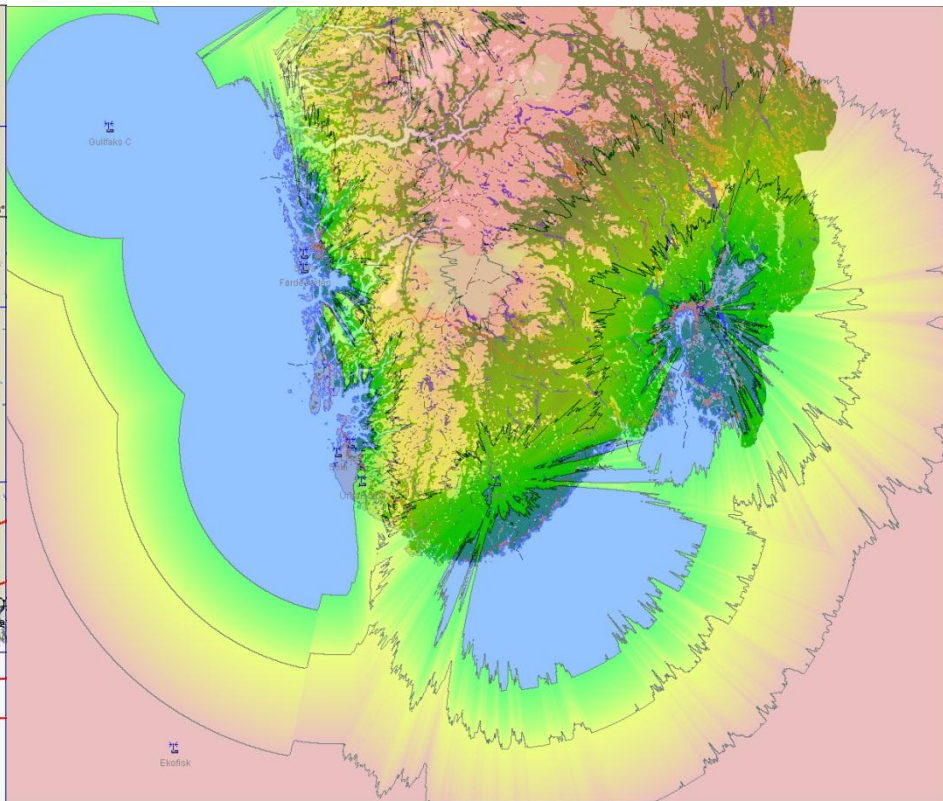
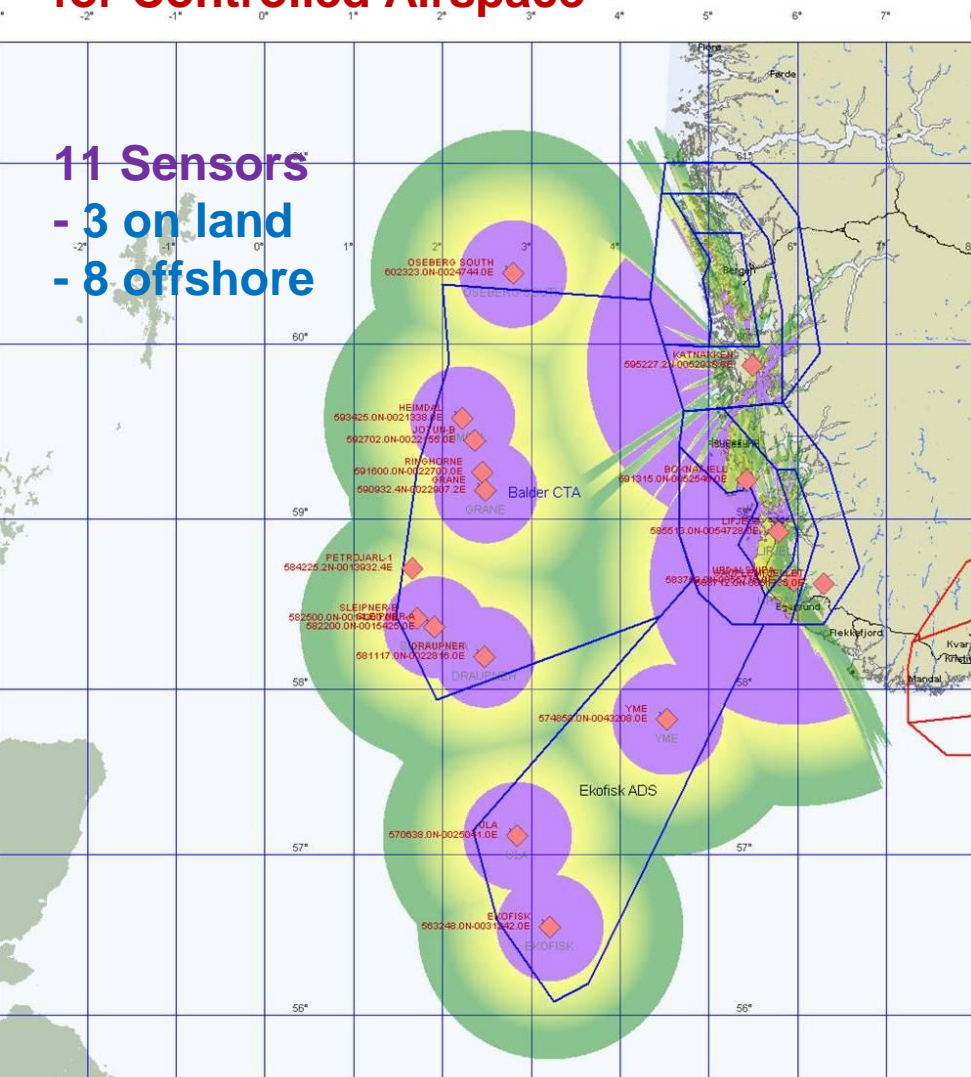
Surveillance

Surveillance

ADS-B Coverage for Controlled Airspace

Radar Coverage

11 Sensors
- 3 on land
- 8 offshore



Communication

VHF Coverage

- 8 Radios
- 3 on land
- 5 offshore

