

AVINOR and AVINOR ANS



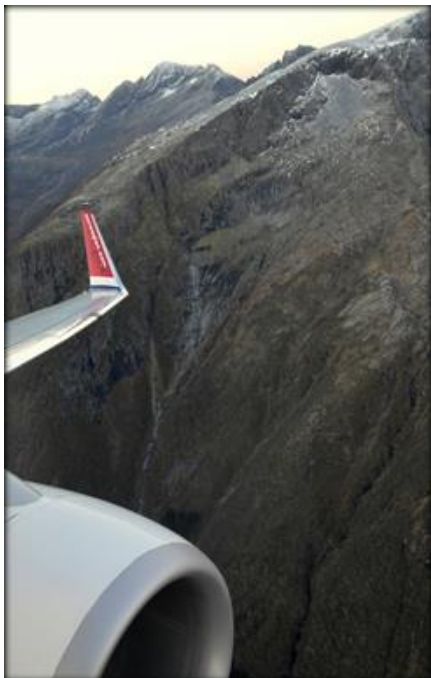
AVINOR AS



FACTS

- 3,100 Employees
- Limited company, owned by the Norwegian Government
- Operates 45 airports in Norway
- Self-financing – no government grants

AVINOR – AIR NAVIGATION SERVICES



A wholly owned subsidiary of Avinor AS

SERVICES:

- TWR/APP-services (20 units)
- Aerodrome Flight Information Services (Remote)
- En-route Services in Norwegian airspace, including NAT-airspace (Bodø Oceanic)
- CNS/ATM Technical SERVICES

FACTS:

- Annual turnover 2.1 Bn NOK
- 1,060 employees
- 600,000 flights per year

CUSTOMERS:

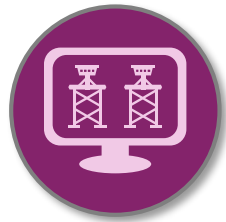
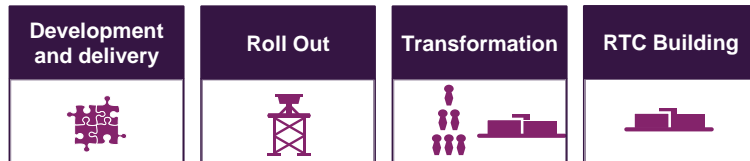
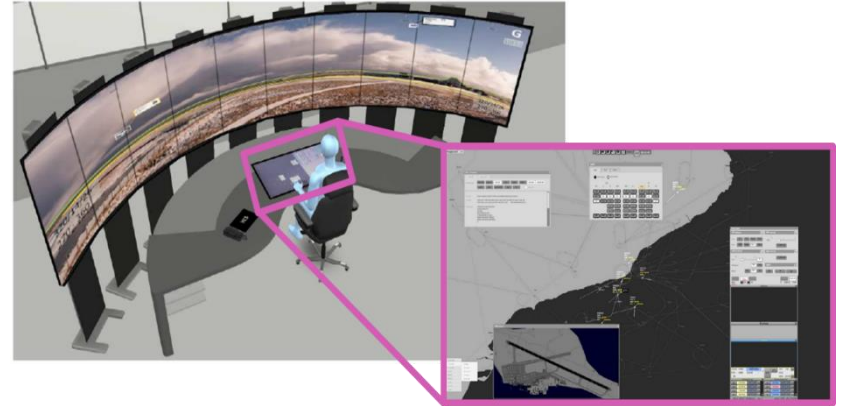
- Airlines, military airspace users, GA
- Avinor airports (ATS/CNS)
- Royal Norwegian Air Force (Military airports, en-route service)
- Private airports (ATS/CNS)
- Oil companies (ATS to offshore helicopter operations, CNS)

AVINOR REMOTE TOWER PROGRAMME



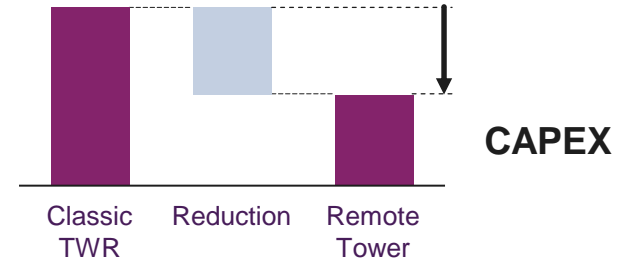
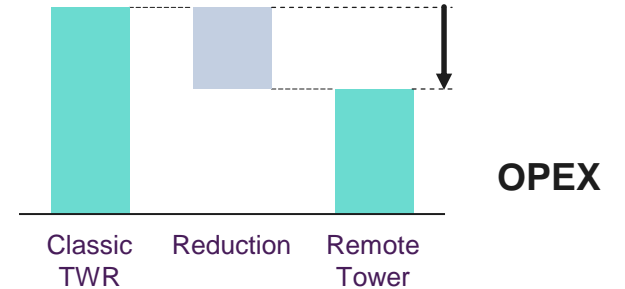
Remote Tower Program - Scope

- The implementation of Remote Towers in Avinor is organized as a program with four works-streams and a program staff
- The program execution involves every aspect from infrastructure and certification to relocation of the operators
- Phase one of the program includes 15 towers
- The work-streams in the program are illustrated below:



Why Remote Towers for Avinor?

- Investments – Reduce CAPEX
 - High number of control towers
 - Ageing infrastructure
- Operations – Reduce OPEX
 - Economies of scale from a larger centre
 - The possibility to handle more than one airport per controller (multiple ops)
- Service offering to airports and airspace users
 - Flexibility
 - Availability
 - Contribution to a distributed airport network
- Standardize



The Multiple Perspective

- The economical importance of local airports
- The flexibility in service provision
- The possibility to reduce operating cost
 - Economies of scale in itself
 - Also enabled by multiple operations
- Recruiting and retaining skilled staff
- Possibilities to improve job-satisfaction
- The challenge to get there

New RTC - location

