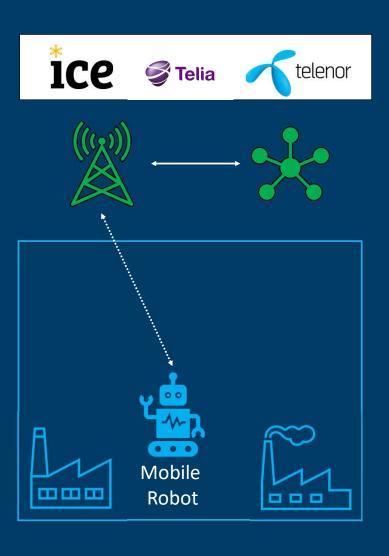


# Mobile network components



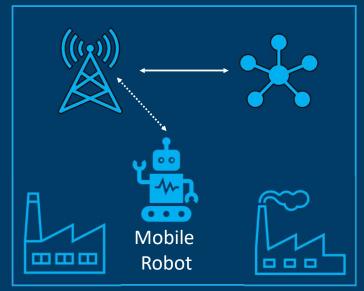


# Public 5G



## Private 5G

Krever lisens for privat frekvens fra Nkom (3,8-4,2 GHz)





#### Maritime 5G with Kongsberg Maritime





#### Ship-to-shore

Using public 5G infrastructure for coastalnear communication.

- Internet for crew and passengers
- Fleet control
- Condition monitoring
- Remote control and autonomy



#### Onboard

#### Private 5G network on ships.

- Instrumentation
- Condition monitoring
- Support systems for remote control and autonomy





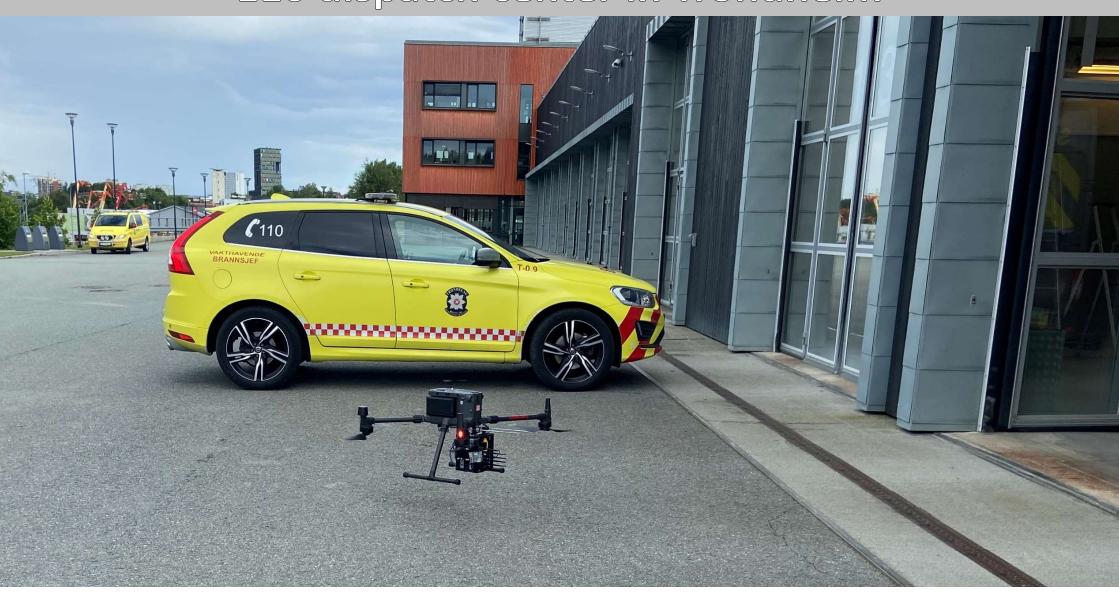
#### Harbors

#### Private 5G-infrastructure for:

- Automatic docking and mooring
- Crane control
- Logistics on land



## 110 dispatch center in Trondheim



#### 5G drones

Drones used for enhanced situational awareness in Search and Resuce (SAR) operations.

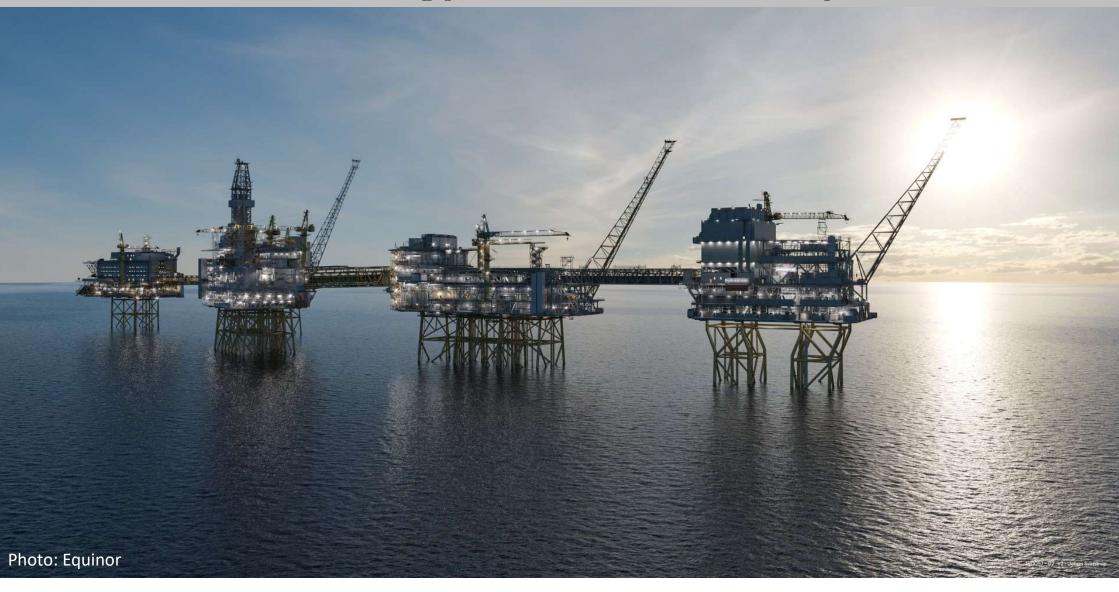
Public 5G network for drone control and video streaming.

Relevant with mobile private 5G base stations for areas with poor coverage.





## 5G technology evaluation with Equinor





#### **Use Cases**

- Digital Field Worker
- Push-to-Talk communication
- Emergency communication
- Industrial IoT
- Robotics and drones
- Platform-to-platform
- Platform-to-ship
- Instrumentation

Private 5G infrastructure is a fundamental requirement.



# Technology Qualification for Krafla

Private 5G-network from Nokia.

- Digital Field Worker
- Push-to-Talk communication
- Group calls for crane operations

Ongoing testing at Kårstø with trial license from Nkom.





Technology for a better society