

## Enabling sustainable logistics

- through efficient autonomous shipping

# Massterly is Kongsberg and Wilhelmsen's joint effort to develop the market for autonomous maritime logistics





## How the technology works

Maneuvering/ Automated **Monitoring &** Object Route Sensors **Dynamic Position** identification calculation power system SENSOR FUSION -ADVANCED AUTONOMY ENGINE SITUATION MANEUVERING AUTOMATION **FUNCTIONALITIES** AWARENESS AUTOMATED RADA MOORING POWE **AUTONOMATION** 



control

MARITIME

RADIO

5G / 4G

Satelit

REMOTE

CONTROL CENTER

BROADBAND

## How the operation works

#### THE BRIDGE TEAM

#### Master

**OPERATOR** 

AUTONOMY

Ultimate responsibility for the safety of the ship

#### Officer On Watch

Responsible for managing the bridge team and accountable to the Master for safe navigation of the ship

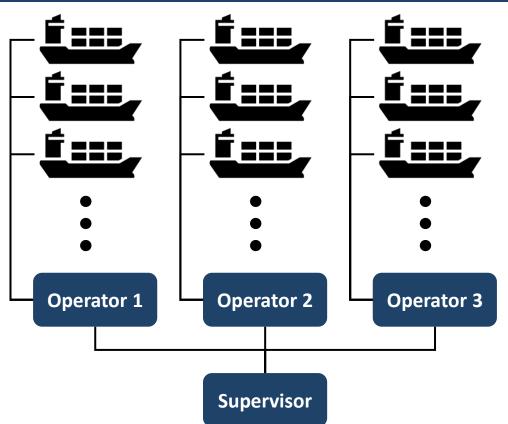
#### Look-out

An all round look-out by sight and hearing, reporting all sightings to the Officer On Watch

#### Helmsman

Executes steering instruction from the Officer On Watch

### THE REMOTE OPERATION CENTRE









Feel free to contact us for more information

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