



NON STOP

New smart digital Operations Needed for a Sustainable Transition Of Ports

THE NON STOP PROJECT
Wim Stubbe, Port of Oostende

Zwolle, 30/10/2019

NON STOP is co-funded by the North Sea Region Programme 2014-2020; Eco-innovation priority. www.northsearegion.eu/non-stop

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New smart digital Operations Needed for a Sustainable Transition Of Ports

€4,7m

50 % co-funded by European Regional Development Funds (ERDF)
INTERREG North Sea Region Programme 2014-2020
Eco-innovation priority.

2019-2022



PARTNERS



CRESCENT



Associated partner

PORTS NEED TO MEET THE NORTH SEA REGION & EU WIDER 'S DIGITALISATION TRANSFORMATION

PORTS ARE THE IDEAL MATCHMAKER BETWEEN ALL STAKEHOLDERS IN THE PORT ECOSYSTEM

PORTS NEED TO OVERCOME THE INEFFICIENCIES IN DATA COLLECTION / SHARING THAT FRUSTRATE EFFORTS TO FULLY UTILISE SMART SOFTWARE SOLUTIONS

NEED TO INTEGRATE PORT ADMINISTRATIVE PROCESSES AND PORT-RELATED LAND/SEA-SIDE OPERATIONS MORE EFFICIENTLY

NEED FOR PORT ENERGY/RESOURCES EFFICIENCY & POLLUTION REDUCTION

Develop and test smart management systems for port eco-innovative digitalization

SAFE MANAGEMENT & EFFICIENT APP

Pilot 1: App Aqua park line

Port of Zwolle

Pilot 2: Safety/security management to avoid drifting of ships

Port of Narvik

SENSORS & SYSTEM INTEGRATION

Pilot 3: Harbour integrated digitalised management system

Port of Zwolle

Pilot 4: Development of a Port Digital Twin

Port of Oostende + GreenBridge + CRESCENT

Pilot 5: Integrated sensor-based dash-board for air, light and noise information

Port of Helsingør

Pilot 6: Integrated water & sediment management dash-board

NPorts – Port of Emden

Design and pilot innovative technologies for sea/port/land-side smart management

SMART SHORE & BIO-POWER SUPPLY MANAGEMENT

Pilot 7: Intelligent shore power system & dashboard

Port of Korsør

Pilot 8: Investigation & digitalisation of bio-energy facilities management

Port of Helsingør

DIGITALISED PORT AREAS VALORISATION

Pilot 9: Port digital officer

Port of Helsingør

Pilot 10: Virtual platform for smart management and promotion of port areas

BPK + NPorts

DEFINE & IMPLEMENT A GREEN DIGITALISATION PORT STRATEGY SUPPORTED BY SMART MANAGEMENT SOLUTIONS that achieve:

- **10% reduction of the time** for a set of pre-defined logistical & maintenance port operations;
 - **10% reduction in port energy consumption and pollution** by smart digitalised management systems.
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