



INNOVATION AT THE PORT OF OOSTENDE

InTraDE , the Port of Oostende and REBO

invite you to the
free of charge

PUBLIC DEMONSTRATION OF THE FUNCTIONING OF THE InTraDE INTELLIGENT AUTONOMOUS VEHICLE PROTOTYPE FOR SMALL AND MEDIUM SIZED PORTS

on 14th October 2013 (13:30 -18:00)
at the

Port of Oostende, REBO Terminal Zeewezendok



INNOVATION AT THE PORT OF OOSTENDE

Within the scope of the New Industrial Policy, it is important to investigate the opportunities to introduce innovation in the development of port operations and the logistic chain. Therefore, the port of Oostende has set up a partnership with the engineers of the Polytech Lille within the framework of the InTraDE project in order to build more sustainable and energy-friendly logistic equipment to transport goods within the port area. This has resulted in the construction of an IAV, which has been built in France. Key issue of the innovation process is to share the knowledge in an international context. Therefore, in close cooperation with REBO, the InTraDE partnership and the port of Oostende invite you to assist the demonstration of the prototype on the 14th of October at the terminal at the Zeewezendok.

WHAT IS InTraDE?

InTraDE - Intelligent Transportation for Dynamic Environment is a €7m project 50% co-financed by European Regional Development Funds under the Interreg IVB trans-national cooperation North West Europe Programme. Started in 2009 and led by the Polytechnic of Lille, it brings together seven partners from France, Ireland, Belgium and the UK:

- University of Science and Technology of Lille (USTL-LAGIS)
- Institut National de Recherche en Informatique et Automatique (INRIA-LORIA)
- South East England Development Agency (SEEDA) - abolished in March 2012
- Centre Régional d'Innovation et de Transfert de Technologie - Transport et Logistique (CRITT TL)
- Port of Oostende (AGHO)
- Dublin Institute of Technology (DIT)
- Liverpool John Moores University (LOOM)

The project intends to design, test and validate innovative intelligent transport vehicle prototypes (autonomous and human-driven) to utilise in port areas or urban-confined spaces. The main objectives are to improve operational effectiveness of regional ports and mitigate adverse environmental effects.

For more info: <http://www.intrade-nwe.eu>. See also video: <http://youtu.be/5yIHZyM1dyA>.



THE IAV DEVELOPED BY THE InTraDE PARTNERSHIP

- Hybrid drive (+ manual drive option), battery operated, plug-in, with build-in thermal generator (GPL) to ensure unconditional autonomy.
- Two degrees of mobility x and y to steering control.
- Totally operable by a remote control computing in virtual environment.
- Ability of pairing/unpairing enabling a pair of 1-TEU (20-foot Equivalent Unit) IAVs join and transport any size between a 1-TEU and a 1-FFE (40-foot Equivalent) containers.
- Feed-back to the remote control by sensors (GPS, lasers, ultrasonic).
- 4 wheel drive, omnidirectional decentralised steering, integrated suspensions.

THE InTraDE INTELLIGENT AUTONOMOUS VEHICLE (IAV)

DATE 14th October 2013

VENUE AG PORT OF OOSTENDE
REBO Terminal
Zeewezendok
BE 8400 Oostende
+32 59 34 07 11
BE 0830 833 01
www.reboostende.be



AGENDA

- 13:30 - 14:00** Registratie – *Registration: VLIZ conference room*
(Wandelaarkaaï 7, 8400 Oostende, next to REBO Terminal at Zeewezendok – parking available)
- 14:00 – 15:00** Verwelkoming en presentaties - *Welcome and presentations*
- 15:00 – 15:15** Wandeling naar de REBO-site – *Walk to the REBO site*
- 15:15 – 16:45** Demonstratie IAV - *IAV demonstration*
- 16:45– 17:00** Wandeling terug – *Return to the meeting room*
- 17:00 – 17:30** Slotwoord en receptie – *Conclusions and reception*
- 18:00** Einde evenement - *End of day*

FOR REGISTRATION TO THE CONFERENCE, INQUIRIES AND INFORMATION

Please, contact: **Wim Stubbe, Business Development Manager, Port of Oostende**
wim.stubbe@portfoostende.be / 0032487548768