

# VOCAM



## Van Oord Control Automation Monitoring

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PRODUCTIE PROCES  
AUTOMATISERING

PPA19



29-01-2019 • Hart van Holland in Nijkerk

**Industrie 4.0** Cyber Security  
Industrial Internet of Things Data  
Cloud IT/OT Integration

# In this presentation:

- Introduction Van Oord
- Automation on board
  - Ship Automation
  - Mission Equipment Automation
  - Development
- Data Analytics

# Introduction Van Oord

- Short Movie: [The founders mentality of Van Oord.mp4](#)

## Revenue per activity

in million Euros



Shipping

423

1,180



Offshore oil & gas

204

130



Offshore wind

403

130

## Offshore wind



**Domestic wind**  
In early 2018, the new **Wentz** generation of **Titan** wind farms will be out of the water, leading the way coast of the United Kingdom.

## Offshore oil & gas



**200 tonnes per event**  
**Subsea Rock Wellbore (SRW)** is one of the 10 best projects.

Revenue per area and business unit in million Euros  
 ● Head office Rotterdam, The Netherlands  
 ■ Branches worldwide

## Our projects

We worked in



42

countries

180

projects worldwide

56

nationalities

## Netherlands



**Listening to the locals**  
Tides and storms require constant maintenance to the Red white to ensure Road safety.

## Europe



**Smart for the Greenport Project**  
in the need to upgrade and inland. We Grid is working on follow-up cost protection and port maintenance projects.

## America & Africa



**Simulation port is ready for the future**  
Van Oord has entered the arena channel to the dynamic, challenges of Rio de Janeiro.

## Middle East, Asia & Australia



**Time out for safety**  
Lazoo is one of the biggest ports in Nigeria.

## Locations

**Europe**  
 Azerbaijan - Baku  
 Belgium - Zeebruggen  
 Cyprus - Nicosia  
 Denmark - Copenhagen  
 France - Villefontaine  
 Germany - Bremen  
 Germany - Hamburg  
 Greece - Thessaloniki  
 Estonia - Tallinn  
 Finland - Uusikaipi  
 Italy - Ancona  
 Kazakhstan - Astana  
 Latvia - Riga  
 Netherlands - Groningen  
 Netherlands - Rotterdam  
 Netherlands - Schiedam  
 Norway - Oslo  
 Portugal - Lisboa  
 Romania - Constanta  
 Russia - Novosibirsk  
 Russia - St. Petersburg  
 Spain - Madrid  
 Switzerland - Alpnach  
 Ukraine - Odessa  
 United Kingdom - Southampton

**Asia**  
 Australia - Brisbane  
 Brazil - Rio de Janeiro  
 Canada - Calgary  
 Canada - Halifax  
 Colombia - Bogota  
 Canada - Vancouver  
 Mexico - Mexico City  
 Panama - Panama  
 United States - Houston

**Africa**  
 Angola - Luanda  
 Mozambique - Maputo  
 Nigeria - Lagos

**Middle East & West Asia**  
 Bahrain - Manama  
 India - Mumbai  
 India - New Delhi  
 Malaysia  
 Oman - Salalah  
 Qatar - Doha  
 United Arab Emirates - Dubai

**Asia & Australia**  
 Australia - Brisbane  
 Australia - Sydney  
 Australia - Perth  
 China - Shanghai  
 Hong Kong  
 Indonesia - Jakarta  
 Korea - Busan  
 Malaysia - Kuala Lumpur  
 Philippines - Manila  
 Singapore  
 Taiwan - Keelung City  
 Thailand - Bangkok  
 Vietnam - Hanoi

PRODUCTIE PROCES  
AUTOMATISEREN

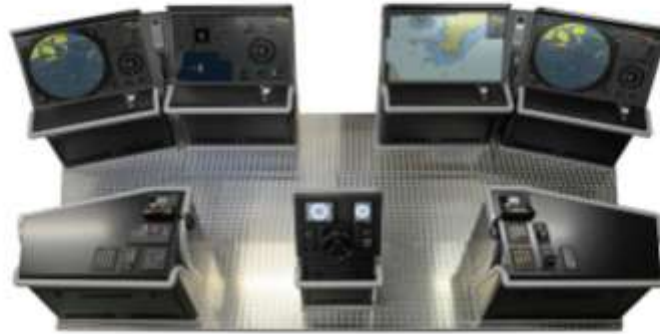
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# Ship Automation



Photo's by Alewijnse and Alpatron

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# Mission Equipment



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# Mission Equipment



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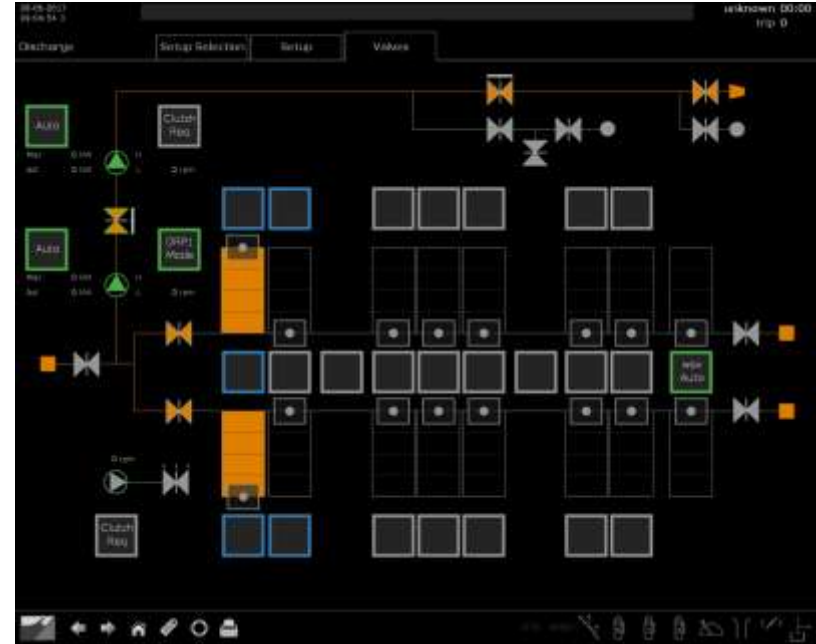
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# Mission Equipment / Differences between PA and PC



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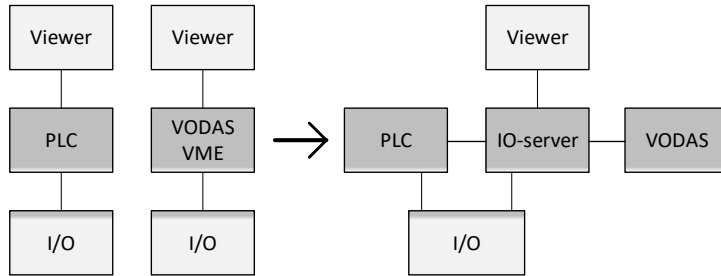
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# Some history... 😊

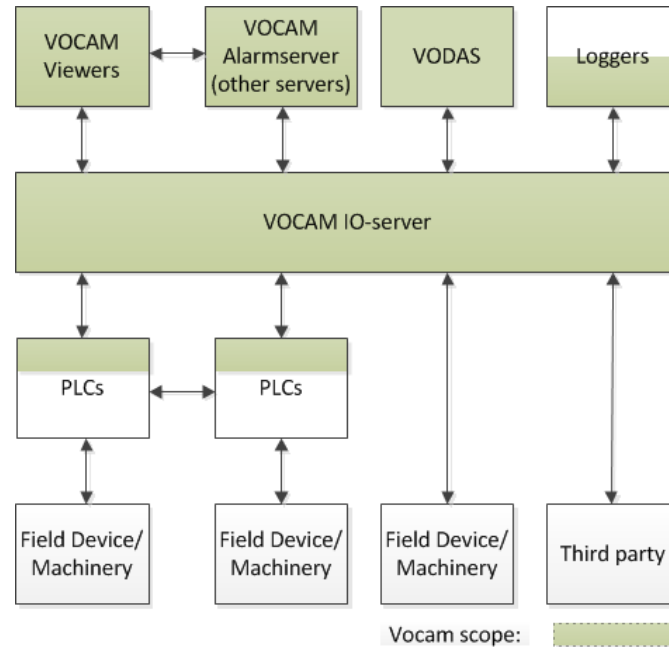


# Development

## Why VOCAM?

- Specific needs
- Not in the market
- Future ready
- Verified by ICT Group

# Development



# Next Goal



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AUTOMATISERING

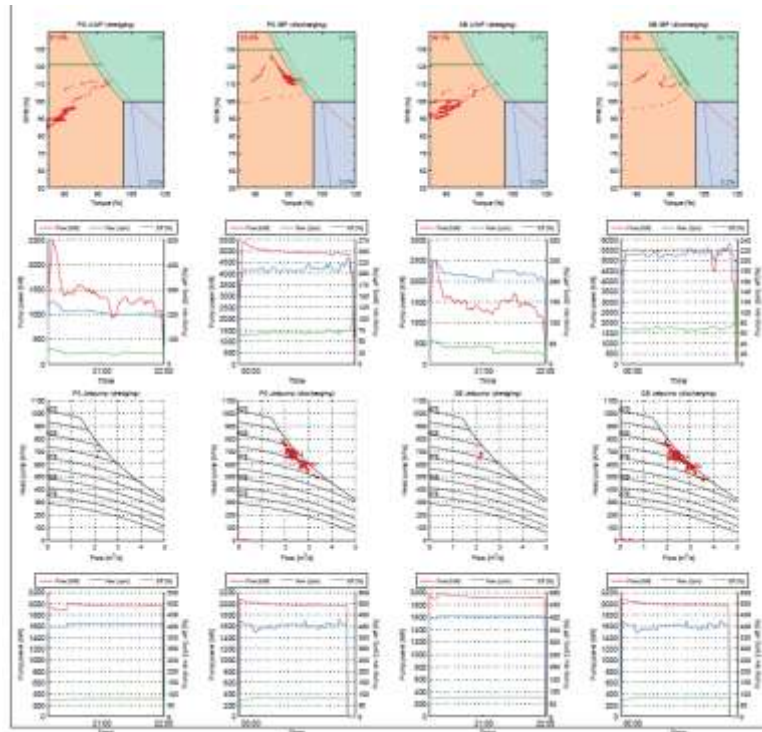
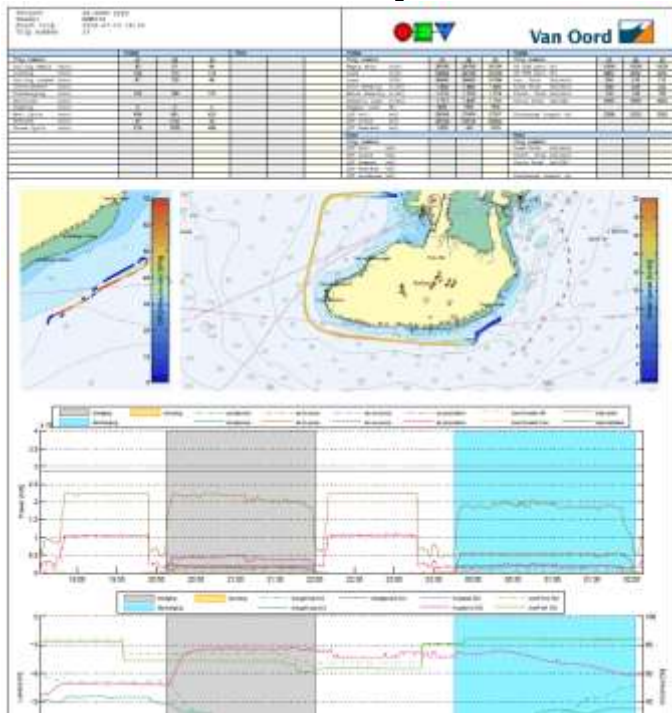
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# Data Analytics



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# Summary



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