

**WORKING TOGETHER  
ON THE BEST POSSIBLE PORT.  
MAKE IT HAPPEN.**

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Business Manager Energy & Industry



# Port in figures

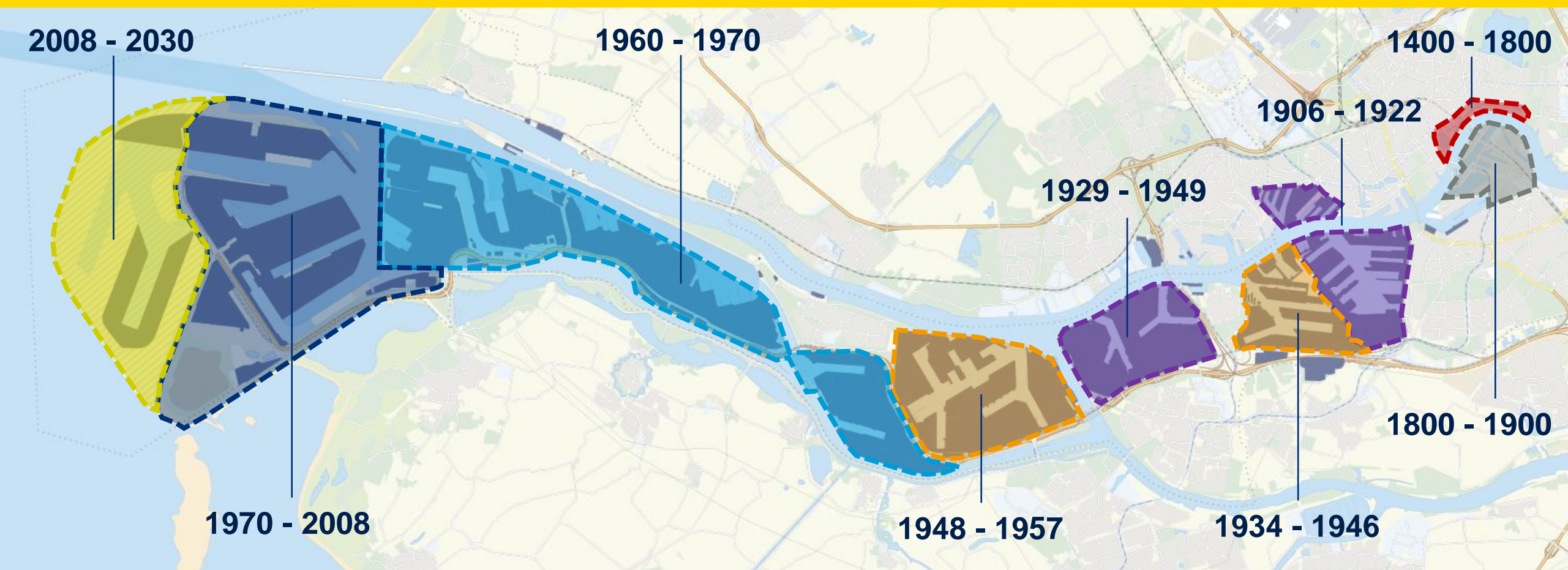
## Port of Rotterdam engine of the economy

- Total port area 12,500 ha (net 6,000 ha)
- Total employment 180,000 people
- Total added value € 21 billion (3.2% GNP)
- 3,000 companies
- Largest port in Europe, 8<sup>th</sup> port worldwide
- Throughput approx. 465 million tons;  
12 million TEU (containers)
- Depth up to 75 ft (= 24 m)

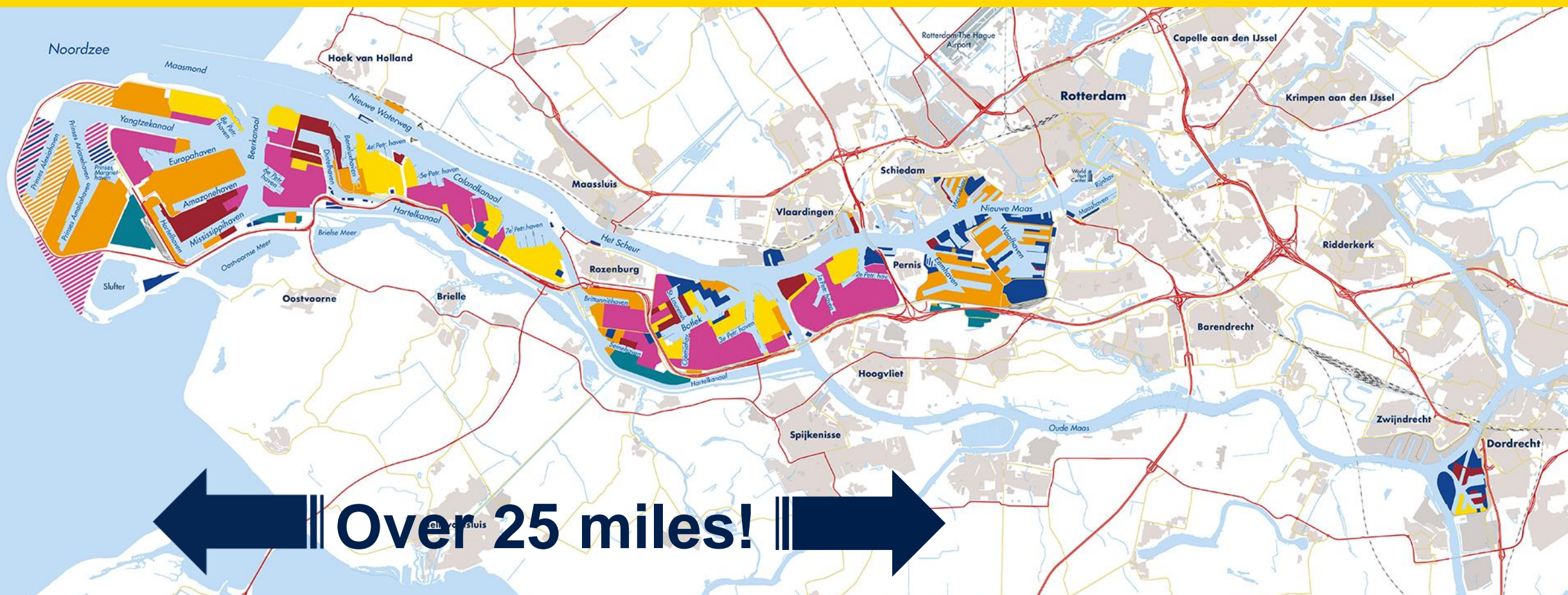


Employment

# Port development

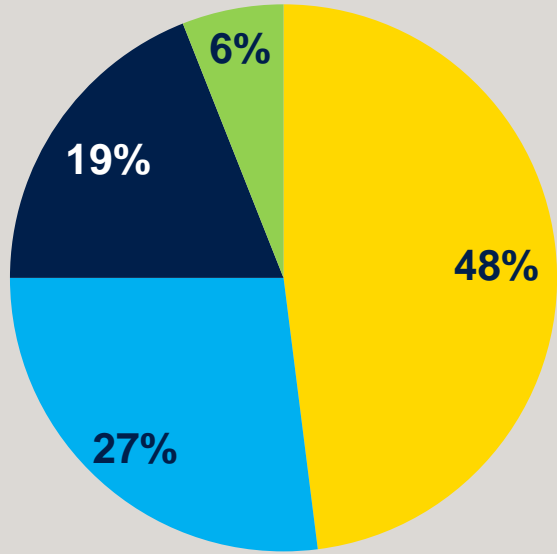


# Port and industrial area





# Dominated by fossil fuels and logistics



■ Liquid bulk

■ Containers

■ Dry bulk

■ Breakbulk

Cargo ratios in 2015



# PROCESSES IN THE PORT

Crude oil

Oil Products

Coal

LNG

Waste

Biomass



> **30**  
refinery  
processes



> **40**  
petrochemical  
processes



> **70**  
electricity  
generation  
units

Fuel & Feedstock

Products

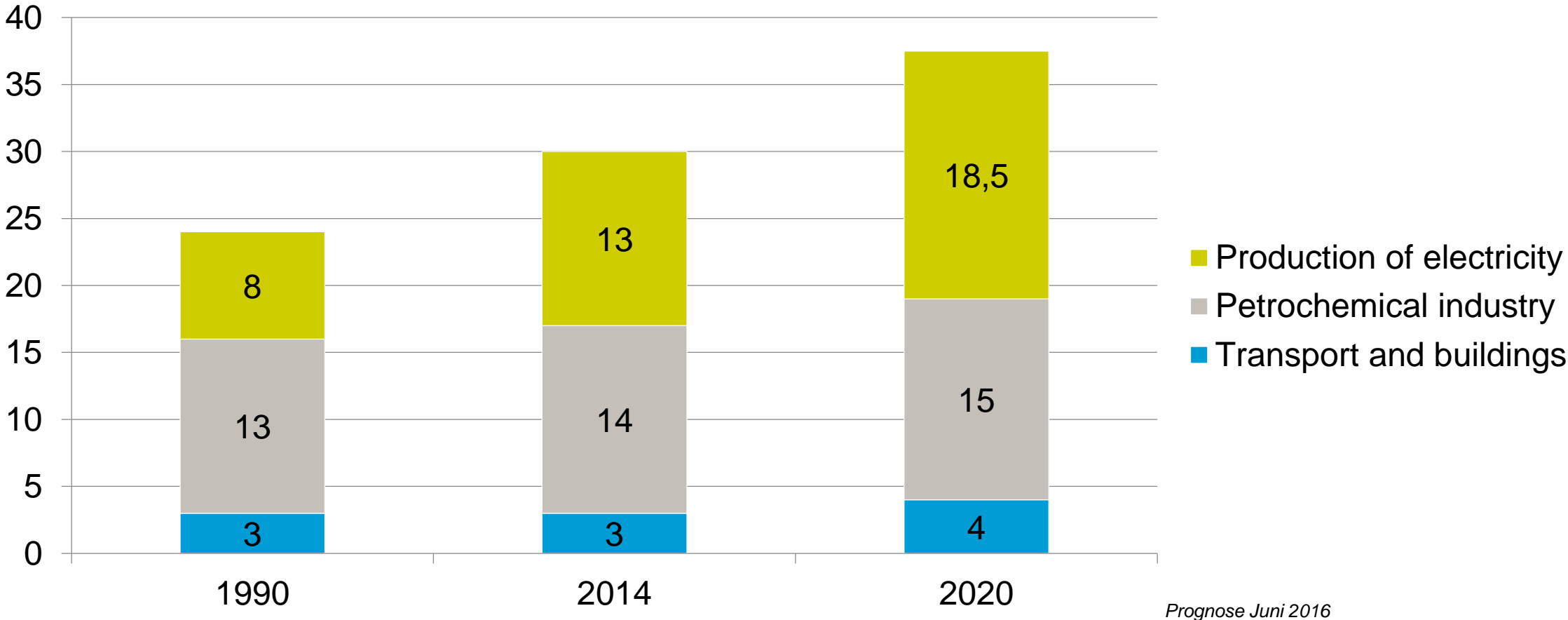
Natural Gas

Electricity

**20%**

of the Netherlands'  
total CO<sub>2</sub> emissions

# CO2-emissions in Rotterdam in Megaton





# THE WORLD AGREES

... reach global peaking of greenhouse gas emissions as soon as possible ... rapid reductions as to achieve a balance between anthropogenic emissions by sources and removals by sinks of greenhouse gases in the second half of this century ...

# 2°C

above pre-industrial levels  
and pursue efforts to limit  
temperature increase to 1.5°C



# PATHWAYS TO A DECARBONISED PORT

Wuppertal study



Please download the full report here:

<https://www.portofrotterdam.com/nl/downloads/report-wuppertal-institut>

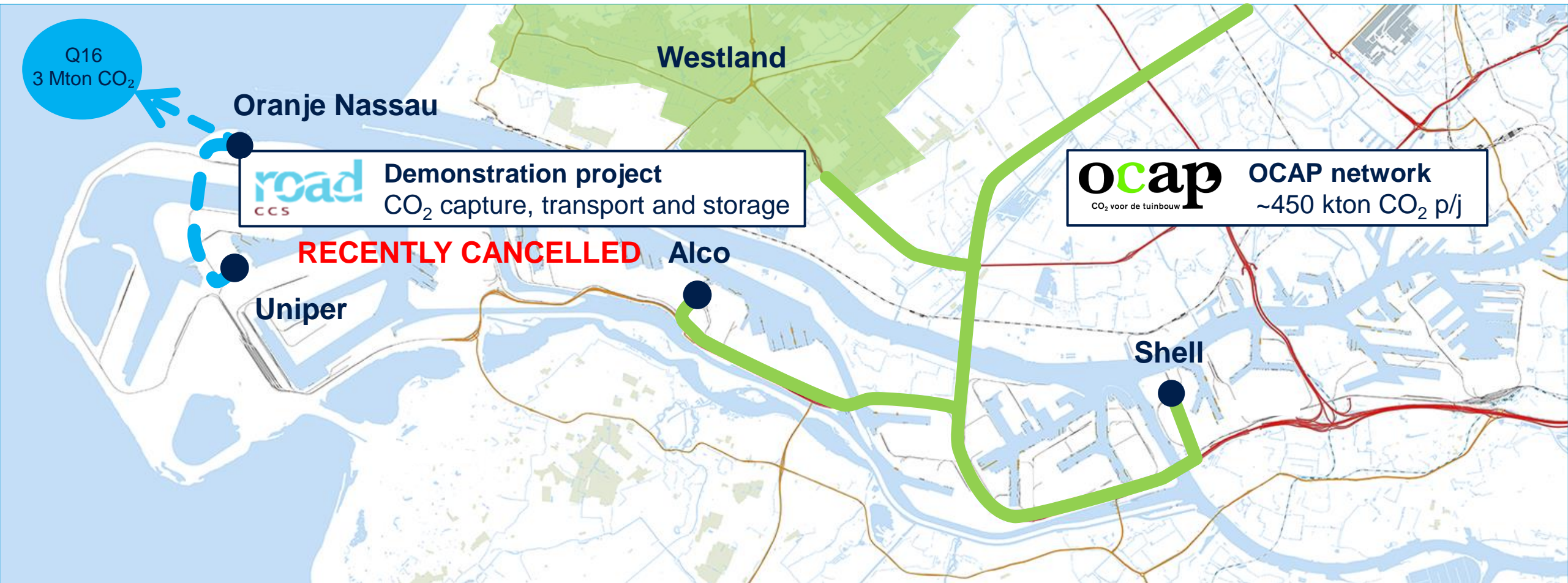
# CARBON CAPTURE UTILIZATION & STORAGE

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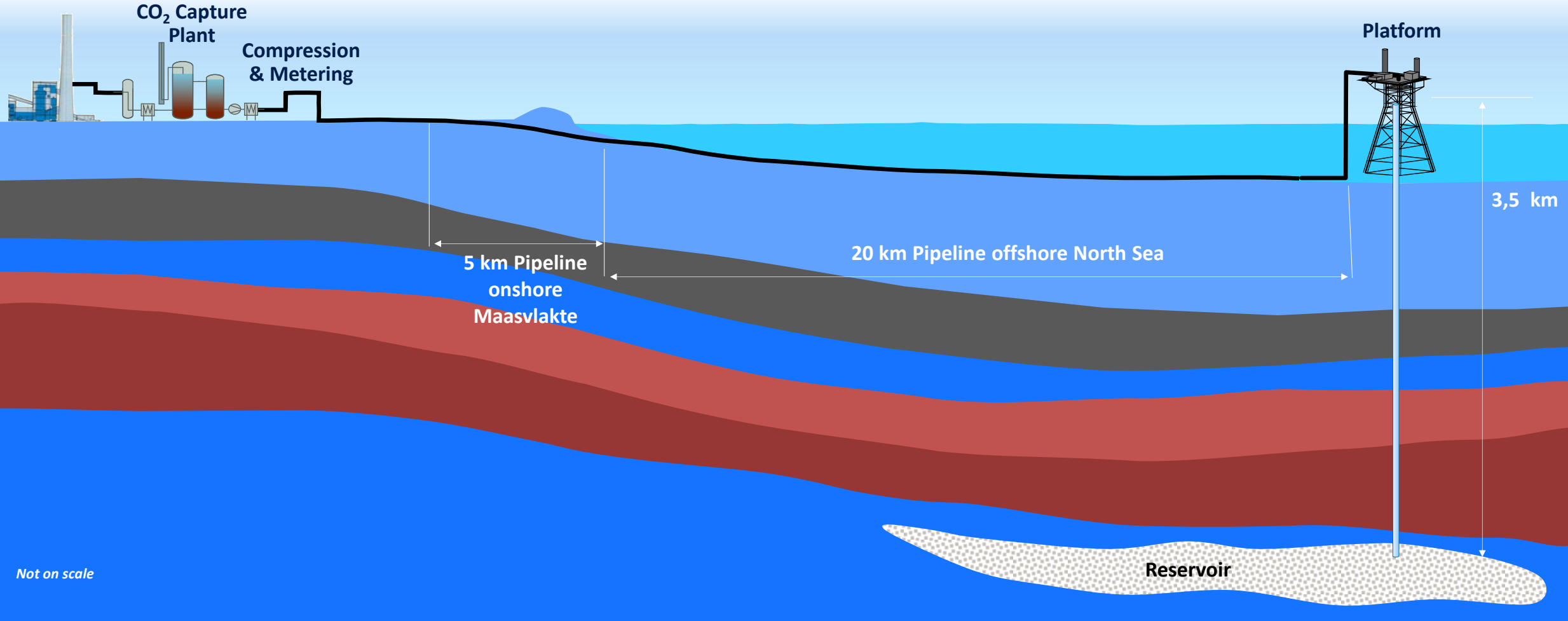
# Current status in the port for CCUS?

CCS demonstration project recently cancelled | supply the greenhouses



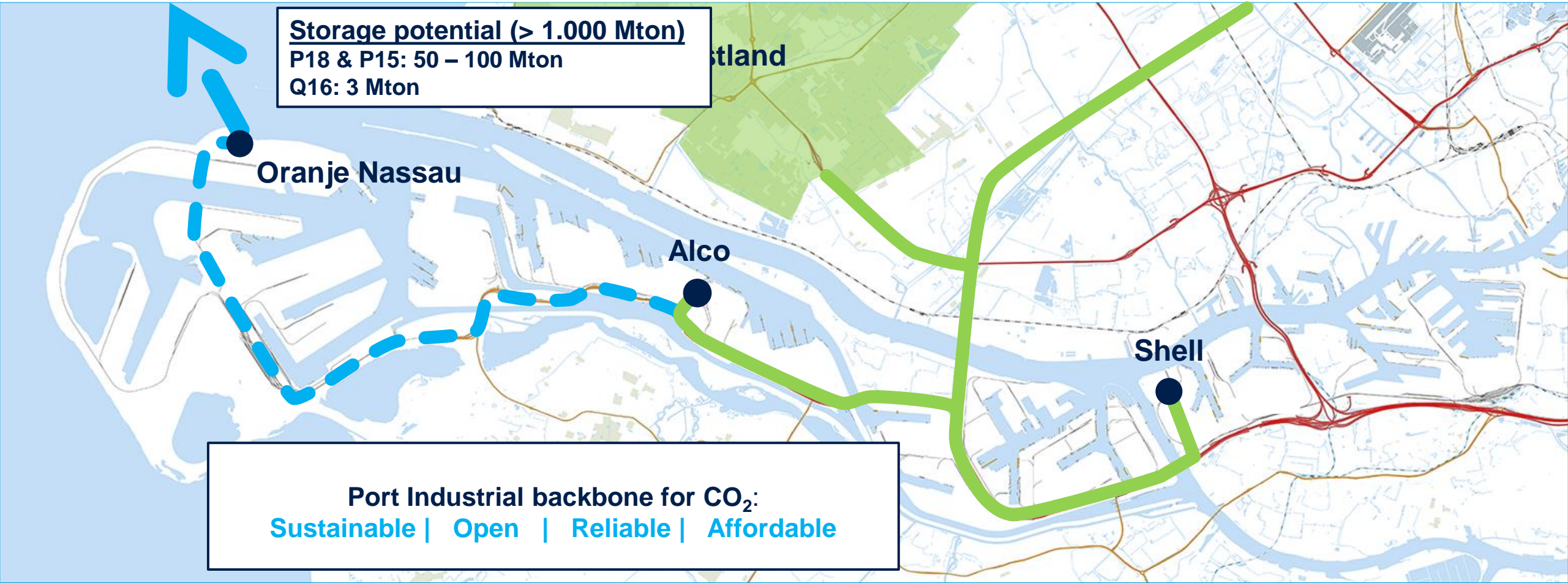
# ROAD-project: Original plan

Maasvlakte  
Power Plant 3



**PROJECT RECENTLY CANCELLED**

# Ambition





# QUESTIONS??

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