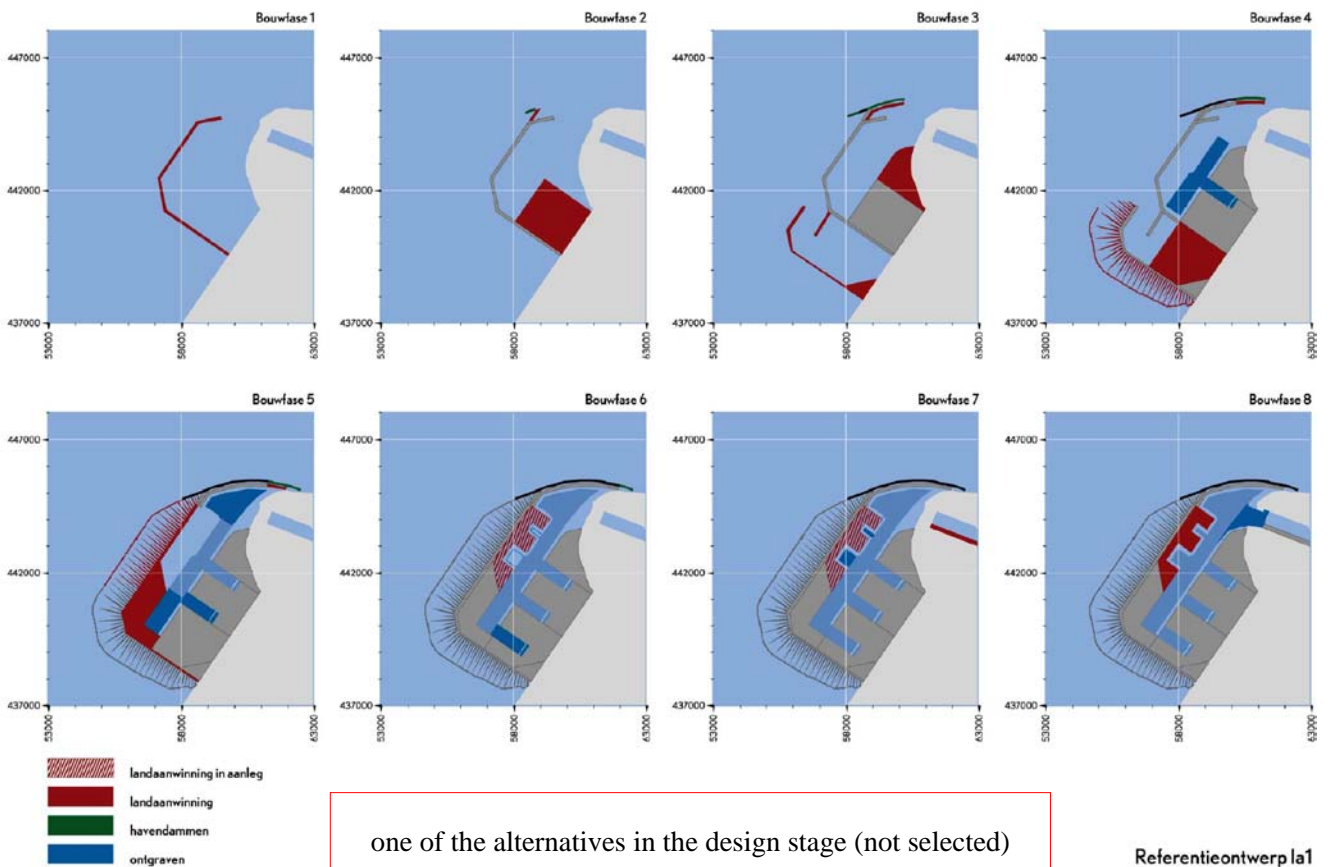


Maasvlakte 2, an extension to the Europort in Rotterdam



The Expert Centre, Project Main Port Development Rotterdam (EC-PMR) is divided in 3 subprojects, land-reclamation, redevelopment existing port area and 750 ha nature & recreation area. The main goal for the subproject Land-reclamation is, to develop 1,000 ha net industrial area connected to the existing Rotterdam Europort.

DEMAS prepared a work method and planning for each of the 7 study alternatives within the design criteria of the Environmental Impact Assessment (PKB). Per study alternative a first and final development phase of the new reclamation area was studied. The project demands large trailing suction hopper dredges and stationary dredges to dredge and reclaim some 100 to 500 million m³ fill material depending on the alternative and phase.

The 7 alternatives (first and final phase) are used for calculations and predictions on; flow patterns, wave disturbance, nautical and safe access to the existing and new port, coastal morphology, cost, execution of the reclamation, execution in phases, flexibility in industrial area development, mitigation measures for the impact on the nature, maintenance dredging, etcetera.

DEMAS dredging consultants bv provided assessments of borrow area, archeological values, working methods, planning and cost of extraction of sand from Marine Borrow Areas and reclamation at Maasvlakte 2. As follow-up a study of phasing the sand extraction and reclamation with civil works for the project was executed and an assessment of tender dossiers for the reclamation and auxiliary works for the extension of Maasvlakte 2 was carried out.

Client

Gemeentelijk Havenbedrijf Rotterdam
Expertisecentrum PMR

Location

The Netherlands, Rotterdam

Year

2002 - 2003

Services

- borrow area assessment
- work method reclamation

demas
dredging consultants bv

Herbarenerf 7
2743 HA Waddinxveen
The Netherlands

Tel +31 182 546798
Fax +31 182 546802

E-mail demasnl@demas.nl
Web www.demas.nl