



**Environment**

Environmental projects and projects protecting against climate change

8. Construction of dredging spoil disposal site **Hollandsch Diep, the Netherlands**, with 20 years of storage capacity. Once the site is full, it will be covered with clean soil and turned into a nature area.



**Tourism**

Building tomorrow's tourist infrastructure

9. Construction of artificial island **Palm Jumeirah, Dubai**, a symbol of the Emirates – a residential and resort community that has literally 'grown' from the sea floor. It has been dubbed 'the Eighth Wonder of the World'.



10. Construction of artificial lake **Lake Tinapa, Nigeria**, by dredging an access channel and the lake itself. The dredged soil was reused to create new land for a future leisure development.



Our dredging solutions

contact  
profile

**More information**

Please contact our representative at your nearest local Van Oord office. For contact details of all our branch offices, please visit our website:

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## Our approach

Dredging is Van Oord's core activity. It is our signature talent, one that we have perfected continuously since our establishment in 1868. We are a worldwide leader in dredging, a position we retain by pushing the boundaries of dredging technology.

Our innovations, which include water injection dredging, dredging and rock placement at great water depths and the know-how and experience to 'build with nature', are cost-effective and contribute to a better world.

As the world population increases, many countries need more physical space for housing, trade and industry, and recreation. Suppliers of energy (fossil as well as 'green') can scarcely meet the growing demand. Countries around the world are expanding their port facilities merely to keep up with the increasing volume of merchant shipping. The rising sea level poses a threat to deltas and cities along rivers and coasts. Van Oord offers dredging solutions in each of these crucial areas.



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## Our solutions

We use our dredging solutions to reclaim land from the sea, protect coastal zones, and expand and maintain harbours and waterways. On average we execute a hundred projects in fifty different countries a year. Below are some examples.



### Maritime transport

Enabling growing maritime trade

1. **Maasvlakte 2**, expansion of existing port and industrial zone in **Rotterdam, the Netherlands**, by building an outstanding new location for port activities and industry in the North Sea (50% partner in PUMA).
2. Expanding **Bremerhaven Port, Germany**, by building the world's longest quay wall on a river bank.
3. Maintenance dredging works by using regular dredging and the innovative water injection dredging techniques in the **port of Itajai, Brazil**, allowing full-time accessibility to the port.
4. Expansion of **Sohar Port, Oman**, by deepening the approach channel and reclaiming land for a container terminal capable of accommodating the world's largest bulk carriers.
5. Expansion of **Pasir Panjang Terminal, Singapore**, to make it one of the largest container terminals in the world.



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### Urbanisation

Sustainable development of coastal areas

6. Dredging a trench for an immersed tube tunnel in **Limerick, Ireland**, across the River Shannon. It will reduce traffic congestion on both sides of the river in the third largest city in Ireland.
7. Dredging and reclamation activities for the expansion of **Brisbane Airport, Australia**.



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