



**Tourism**

Building tomorrow's tourist infrastructure

8. **Beach** replenishment work in **Spain** just before the tourist season.

9. Constructing **The Island, Gibraltar**, an artificial island that will serve as a protective breakwater and platform for 42 new apartments.

10. Like any seafront in a harsh environment, **Dubai's beaches** have always been prone to erosion from wind and the rough waters of the Arabian Gulf. To protect this important component of the city's tourist industry from natural deterioration, seven beaches were selected for restoration. One breakwater was extended and three offshore breakwaters were constructed to protect the beaches from future erosion.



Our marine engineering 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

Van Oord is an international dredging and marine contractor with over a century of experience in reclaiming and protecting land. As the global economy, urban areas and the world population all increase, land has become a valuable commodity. Many countries need more physical space for housing, industry and recreation, but rising water levels and falling seabeds represent a serious risk. Van Oord understands these processes and offers marine engineering solutions that improve coastlines and protect (new) land while respecting nature.

## Our solutions


We use our marine engineering solutions to replenish beaches, construct dikes and revetments, and build (offshore) breakwaters and quay walls.

Water and wind pose a constant threat to the shoreline and can damage its natural protection. We replenish beaches and supply sand offshore to prevent coastal erosion and maintain the existing coastline. We also protect the land by building breakwaters and dams. Offshore breakwaters have a positive influence on the current and ensure the right accretion of sand when positioned accurately. Breakwaters and quay walls are also used in port construction and expansion projects. On average we execute a hundred projects in fifty different countries a year. Below are some examples.

 **Maritime transport**  
Enabling growing maritime trade

1. Constructing a breakwater for a new LNG terminal in the port of **Map Ta Phut, Thailand**.
2. Constructing several breakwaters and jetties for a new port in **Champerico, Guatemala**, to boost economic development.
3. Installing rock for an offshore breakwater to extend the port of **Gijon, Spain**.



 **Environment**  
Protecting against climate change

4. Reinforcement of **Delfland coast, the Netherlands**. The strip of coastline was too vulnerable to protect the land against future flooding. This project ensures that in fifty years' time, the coast can still cope with the rising sea level and more forceful waves.
5. **The Border Meuse** project, one of the biggest river flood defence projects in **the Netherlands**, is part of a new flood prevention strategy that gives rivers more room to flow and flood naturally. The project encompasses a 43 km stretch of river. When the work is finished in 2017, the risk of flooding will have decreased from an average of once every 50 years to once every 250 years.
6. Maintenance dredging of a 23 km section of the **Lincolnshire coastline, United Kingdom**, in order to protect and improve the coast.
7. Updating of existing sea defences from **High Knocke to Dymchurch, United Kingdom**, providing sufficient protection to properties lying below sea level in Dymchurch and surrounding areas.