



# PROJECT LIST







Design. Build. Connect. Jan De Nul Group shapes water and land. Worldwide. From complex services to the offshore energy and energy transition sector, over large dredging and defence works on the edge of water and land, to challenging civil and environmental works. Well integrated competences and investments lead to creative, sustainable and innovative solutions. In this way, Jan De Nul Group meets the client's wishes. Today, but also tomorrow.





# PROJECTS

12 PROJECTS IN AMERICA  
Offshore services and dredging

38

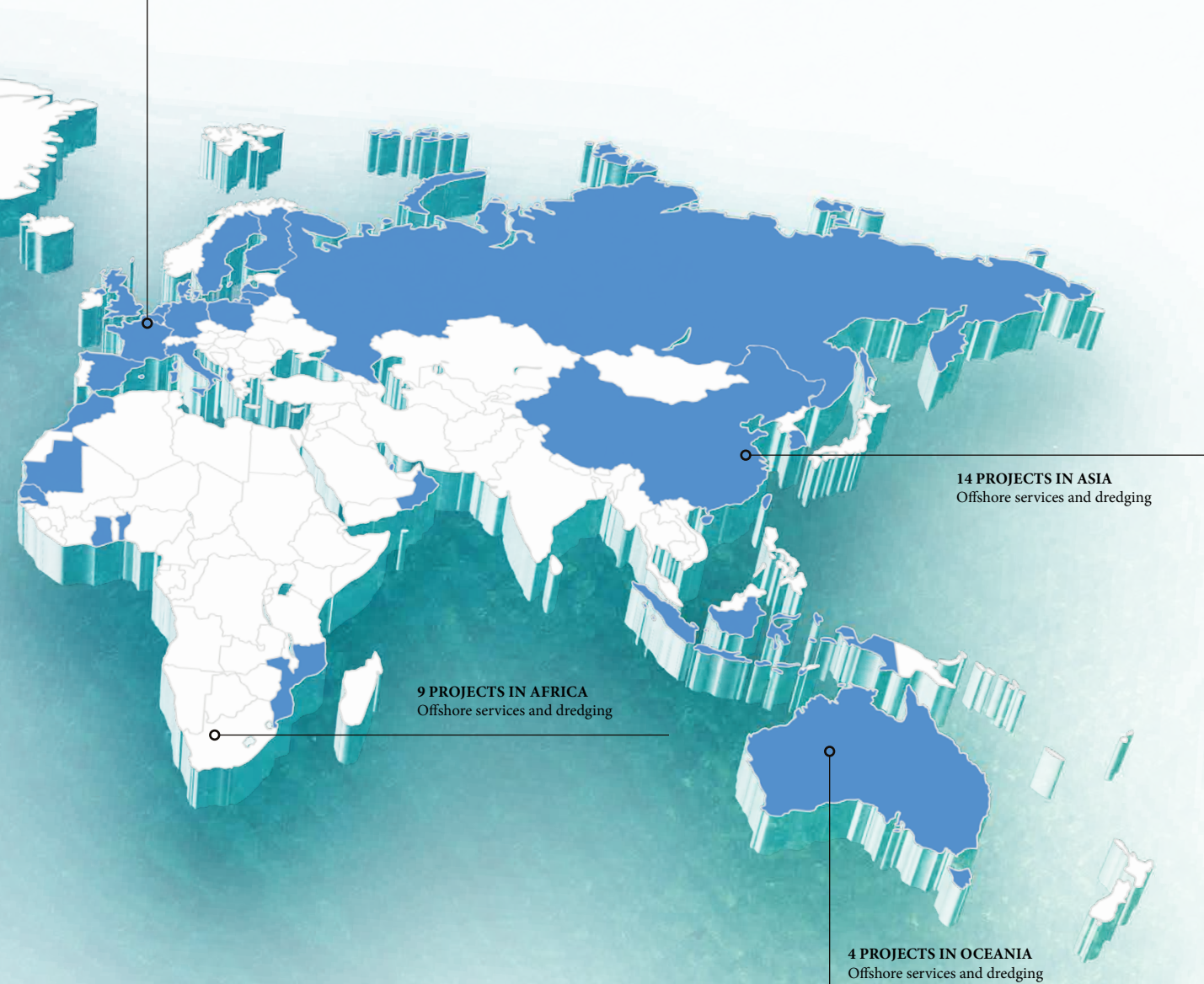
countries  
in which  
we were active  
in 2019

263

projects  
in 2019

- 69 Offshore services and dredging
- 134 Civil construction
- 47 Environmental remediation
- 13 Project development

**224 PROJECTS IN EUROPE**  
30 Offshore services and dredging  
134 Civil construction  
47 Environmental remediation  
13 Project development



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# MARINE SERVICES

The activities of Jan De Nul Group ensure that shipping traffic is possible. We maintain the depth of rivers and canals, expand existing ports and build new ones. By strengthening and extending coastlines, we protect life on land. We offer clients creative and innovative customised solutions and can vouch for their design, execution and maintenance.

## EUROPE

1. **Belgium:** Executing sweep dredging works and the removal of floating wood and oil on the water surface in the Sea Scheldt between the new Sea Lock to Wintam and the Dutch border
2. **Belgium:** Maintenance dredging works in the ports of Zeebruges and Ostend and the access channels to these ports, and the river Scheldt
3. **Belgium:** Maintenance dredging in the Yacht Harbour Docks of Nieuwpoort.
4. **Belgium:** Development of Ecosystem Based Protection against Coastal Erosion named 'Coastbusters'
5. **Belgium:** Beach Nourishment Knokke-Heist - Pretaking
6. **Denmark:** Expansion of the Port of Odense
7. **Finland:** Blasted Rock Dredging
8. **France:** Design and construction of the new port of Calais
9. **France:** Quai de Flandre Expansion Project
10. **Germany:** Construction of an underwater dyke in the port of Cuxhaven
11. **Germany:** Maintenance dredging works in the port of Hamburg
12. **Latvia:** Capital dredging in the Harbour of Liepaja
13. **Lithuania:** Capital dredging of Klaipeda State Seaport Malku Bay
14. **Lithuania:** Maintenance Dredging Works in the Klaipeda Seaport
15. **Monaco:** Dredging of polluted and non-polluted sediments, rock dumping and sand reclamation for a land extension project
16. **Poland:** Modernization of the fairway to the North Port of Gdansk
17. **The Netherlands:** Design, Engineering, Construction and 5 years of maintenance of the Prince Hendrik sand bank in Texel

## AFRICA

18. **Benin:** Design and construction of the submerged breakwater
19. **Ghana:** Breakwater extension, quay wall construction, dredging and reclamation at the port of Takoradi
20. **Mauretania:** Deepening of the entrance channel to the port of Nouadhibou
21. **Morocco:** Construction of a new seaport in Nador
22. **Morocco:** Dredging and rock removal at the port of Tarfaya
23. **Morocco:** Dredging for the Laayoune new phosphate port
24. **Mozambique:** Maintenance of the access channel of the port of Maputo
25. **Senegal:** LNG Great Tortue Project - Dredging and land reclamation for the caisson prefabrication yard

## MIDDLE-EAST

26. **Qatar:** Widening of the navigation channel of the port of Doha

## ASIA

27. **India:** Dredging works in the port of Mumbai
28. **Russia:** Dredging Works in Water of Bolshoy Kamen Bay
29. **Taiwan:** Maintenance Dredging in the Port of Mailiao
30. **Vietnam:** Dredging works for the marine facilities for the Port at Long Son Petrochemicals Complex

## AMERICA

31. **Argentina:** Concession for the deepening and maintenance of rivers Plata and Paraná.
32. **Brazil:** Maintenance dredging of the Grande River
33. **Brazil:** Protection against coastal erosion and recovery of Fortaleza's seaside
34. **Ecuador:** Capital dredging and maintenance dredging of the access channel to the Guayaquil Port Terminals
35. **Ecuador:** Dredging and Reclamation Works in the Posorja Multi-Purpose Terminal
36. **Ecuador:** Maintenance and Capital Dredging Works at Puerto Bolivar
37. **Mexico:** Maintenance dredging in the port of San Pedrito, Laguna Valle de las Garzas and Laguna de Cuyutlan, API Manzanillo 2019
38. **Panama:** Dredging and reclamation for the construction of the Amador Cruise Terminal
39. **Peru:** Maintenance dredging campaign 2019
40. **Uruguay – Argentina:** Capital dredging works in the Uruguay River
41. **Uruguay:** Dredging of dock area

## OCEANIA

42. **Australia:** Capital dredging in the Port of Broome
43. **Australia:** Channel Risk and Optimisation Project (CROP) in the port of Port Hedland
44. **Australia:** Pilbara Iron Dredging Campaign



# OFFSHORE SERVICES

Jan De Nul Group offers specific services for the offshore energy market. Our extensive fleet of installation vessels is used for a variety of activities. We install offshore structures and protect them against erosion. However, we also disconnect and remove them if these structures are at end of life or up for replacement. Through an integrated approach from design to execution, we always ensure a creative overall solution, tailored to the client's specific needs.





## INSTALLATION OF CABLES AND UMBILICALS

### EUROPE

45. **Germany:** Removal of 2 existing platform connection cables and installation of 2 new cables at Borkum Riffgrund Offshore Wind Farm
46. **Italy – United Kingdom:** Transportation of HVDC cable from Italy to UK

## SEABED INTERVENTION WORKS, SUBSEA ROCK INSTALLATION

### EUROPE

47. **Germany:** Scour protection works for DolWin Alpha and Gamma
48. **Italy – Albania:** Construction of an underwater pipeline between Albania and Italy
49. **United Kingdom:** Export Cable Remedial Protection for the Kincardine Offshore Wind Farm Project
50. **United Kingdom:** Hornsea Rock Installation
51. **United Kingdom:** Pre-sweeping for installation of export cable

### AFRICA

52. **Senegal – Mauritania:** Tortue LNG Hub - rock installation works

### MIDDLE-EAST

53. **Oman:** Trenching for the HDPE outfall pipelines
54. **Oman:** Trenching for a desalination plant
55. **Qatar:** Shore approach construction, Trenching and Backfilling for the Barzan Pipeline Project

### ASIA

56. **China:** Installation of filter and armour layer along 4 power cables installed between Mainland
57. **Indonesia:** Bison, Iguana and Gajah Puteri (BIGP) umbilical trenching and mattress installation
58. **Indonesia:** Provision of Pipeline Trenching and Rock Installation China and Hainan Island
59. **South Korea:** Additional rock installation for HVDC link between Jindo and Jeju Island project
60. **South Korea:** Trenching Works an offshore pipeline

## OFFSHORE RENEWABLE ENERGY MARKET

### EUROPE

61. **Belgium:** Northwester 2 Offshore Wind Farm - Design, engineering, procurement and installation of WTG foundations; supply and Installation of Scour Protection; installation Wind Turbine Generators
62. **Denmark:** Transport and installation of 72 wind turbines for the Danish Wind Farm Kriegers Flak
63. **France:** Transport and installation of 80 wind turbines for the offshore wind farm Saint-Nazaire
64. **Germany:** Installation and mechanical completion of 32 offshore WTGs on the Trianel OWF
65. **Germany:** Offshore transportation and the installation of the Pedestal Crane for the OSS of the Wikinger Wind Farm

### ASIA

66. **Taiwan:** Changhua, Taiwan Power Company Offshore Windfarm Phase 1 Project - Demonstration - Supply, transport and installation of foundations, cables and wind turbine generators for 21 Hitachi 5.2MW turbines, including 5 years Operations and Maintenance
67. **Taiwan:** Formosa 1 Offshore Wind Farm - 120 MW Offshore Wind Farm EPCI contract for 20 WTG Foundations and 45 km of 33kV Cables
68. **Taiwan:** Formosa 2 Offshore Wind Farm - EPCI contract for design, supply and installation of 47 WTG foundations, 4 export cables and 47 inter array cables

### AMERICA

69. **US:** Transport and installation of foundations for the offshore wind farm Coastal Virginia



# CIVIL ACTIVITIES

The civil projects of Jan De Nul Group contribute to improving mobility. We realise all types of projects, roads, bridges, tunnels and locks. We are also responsible for the construction of water treatment plants, sewage systems and underground train and subway connections. We use state-of-the-art and eco-friendly techniques for the buildings that we realise. After their delivery, we can ensure their subsequent maintenance.



## OFFICE BUILDINGS

### BELGIUM

70. **Brussels (Résidence Palace):** Conversion, extension, renovation and restoration of block A
71. **Brussels:** Renovation of office buildings Solidaris
72. **Erembodegem (SkylinE40):** Construction of an office building with underground car park
73. **Namur:** Construction of the administrative building for the Province Namur and surroundings
74. **Verviers:** Construction of the new SWDE Offices

## SCHOOL BUILDINGS

### BELGIUM

75. **Anderlecht (Porta):** New build school and redevelopment of former church building
76. **Opwijk:** Expansion and renovation of the municipal primary school 'De Boot'

## RESIDENTIAL BUILDINGS

### BELGIUM

77. **Aalst (Stationsomgeving):** Development of commuter car park and NMBS offices
78. **Antwerpen (Tunnelplaats):** Construction of new residential complex
79. **Erembodegem (Bosrand):** New building of 12 flats
80. **Erembodegem (Ruyskensveld - Ter Muren):** Residential centre and administrative building
81. **Halle (Parkrand):** The realisation of the closed structural works of appartments, office building, service flats and underground car park
82. **Hamme:** Construction of service flats and a child daycare center
83. **Izegem (Dac'Art):** Construction of 61 flats with underground car park
84. **Jambes (Magondeaux):** Construction of a residential complex of 191 flats
85. **Kortrijk (Project Broelkant):** New-build of appartments and underground car park for Immogra
86. **Merchtem (GinderAle):** Repurposing and conversion of former brewery building
87. **Ninove (Axelle Residence):** Construction of flats and commercial premises
88. **Oostende (Rialto Projects for Senior Homes):** Construction of 80 service flats, 7 commercial units, a cafeteria and wellness space

89. **Roeselaere (Proximus site):** Construction of 71 appartments, office building, public atrium and underground car park
90. **Willebroek (Kanaelzicht):** New-build project for 77 appartments, trading space and underground car park

## HEALTH CARE BUILDINGS

### BELGIUM

91. **Aalst (ASZ):** New build block S, closed structure and finishing
92. **Aalst (WZC Sint-Job):** Construction of replacement new-build for retirement home
93. **Charleroi (Grand Hôpital):** Realisation of hospital shell and core works and surroundings
94. **Grâce-Hollogne (WZC La Boisellerie):** Replacement new-build
95. **Jemeppe-sur-Sambre (WZC Van Cutsem):** Extension
96. **Ostend (WZC Lacourt):** Extension new build
97. **Ransart (RVT Les Chênes):** New build
98. **Temploux (RVT):** Renovation of rest home and construction of apartment block with service flats
99. **Tielrode:** Expansion of the residential and care centre Huize Vincent
100. **Varsenare:** Construction of 92 service flats, cafeteria, wellness and underground car park
101. **Vedrin (Manoir de la Quiétude):** Renovation of rest home

## OTHER BUILDINGS

102. **Aalst (Crematorium):** Rough structure, finishing and landscaping
103. **Aalst:** Expansion and renovation shopping complex 'De Bisschop'
104. **Brussel:** Construction of hotel with 91 rooms for BB Group and 3 appartments

## INFRASTRUCTURE WORKS

### BELGIUM

105. **Gaurain (CCB):** Earthmoving works
106. **Liège (Herstal Alegro project):** High voltage line with corresponding conversion stations

## RAIL INFRASTRUCTURE WORKS

### BELGIUM

107. **Antwerp (Kennedy rail tunnel):** Construction of an evacuation shaft



- 108. **Antwerp (Railway decks):** Realisation of 6 trough decks in the areas of the existing railways bridges over the Albert Canal
- 109. **Kuringen:** Reconstruction Railway Bridge
- 110. **Oostkamp (Station):** Removal of station building for expansion bedding

## ROAD INFRASTRUCTURE WORKS

### BELGIUM

- 111. **Aalst (New Tragelweg):** Construction of sewers, tunnel and road works
- 112. **Aalst (Tunnel R41):** Construction of tunnelling and two bicycle tunnels
- 113. **Aalter (Woestijnebrug):** Construction of new bridge and new quay walls
- 114. **Antwerp (Baudouin Bridge):** Construction of new bridge
- 115. **Brussels (Leopold II-tunnel):** Renovation and maintenance
- 116. **Brussels (Picard Bridge):** Construction of a bridge of the Brussels-Charleroi Canal
- 117. **Couvin (tunnel):** Construction of tunnel below railway line

### LUXEMBURG

- 118. **Luxembourg (Pedestrian Bridge):** Extension / renovation of the bridge

## WATER TREATMENT INFRASTRUCTURE WORKS

### BELGIUM

- 119. **Bree:** Construction of a new waste water treatment plant
- 120. **Cerfontaine:** Realisation of carrier drains, dewatering and 3 pumping stations
- 121. **Maurage:** Construction of a carrier drain
- 122. **Vorst (Geleitsbeek):** Piping of the Geleitsbeek and construction of Oude Vijvers carrier drain.

### LUXEMBURG

- 123. **Troisvierges:** Construction of a new main collector

## HYDRAULIC ENGINEERING, LOCKS AND QUAY WALLS

### BELGIUM

- 124. **Aalst:** Renovation weir lock complex Dender
- 125. **Antwerp (Kanaaldok B2):** Construction of new quay wall

- 126. **Antwerp (Klein Schijn):** Construction of pumping station for Oosterweel link
- 127. **Harelbeke (Lock weir):** Design and development of new lock weir, quay walls, bridges, dredging works
- 128. **Kerkhove (Stuw):** Renewal and deduplication of the existing dam on the Upper Scheldt
- 129. **Nieuwpoort:** Construction of storm surge barriers
- 130. **Ostend (Halve Maandijk):** Widening of port access channel
- 131. **Temse (Groot Broek):** The construction of a circular dyke around the future polder reclamation area
- 132. **Temse (Klein Broek):** The construction of a circular dyke around the future polder reclamation area
- 133. **Wandre:** Renovation of dam at Île Monsin
- 134. **Zeebrugge (P. Vandammesluis):** Renovation door 4

### NETHERLANDS

- 135. **Nieuwegein (Beatrix lock):** Construction of the new lock, Widening of the Lek canal

## FOUNDATION AND SHEET PILING TECHNIQUES

### BELGIUM

- 136. **Aalst (Carglass Site):** Anchored soil mix wall.
- 137. **Ampsin (new lock):** Bored secant piles and anchors.
- 138. **Antwerp (Kaaiweg):** Sheet pile wall and HDI piles.
- 139. **Antwerp (Klein Schijn):** Anchored Berlin-type sheet pile wall, micro-piles
- 140. **Antwerp (left bank):** Anchored soil mix wall.
- 141. **Antwerp (Louise Marie):** Anchored soil mix wall, tension piles and dewatering operation
- 142. **Antwerp (Oosterweel Spoorbakken):** Sheet pile wall
- 143. **Antwerp (Sanderspoort):** Anchored soil mix wall, earthworks piles and dewatering operation
- 144. **Antwerp (Zurenborgpoort):** Anchored soil mix wall and HDI piles
- 145. **Boitsfort:** Berlin-type sheet pile wall.
- 146. **Beernem (Oostveld):** Sheet pile wall and HDI screen
- 147. **Braine l'Alleud (Inflexion project):** Sheet pile wall
- 148. **Bree (sewage water treatment plant):** Anchored Berlin-type sheet pile wall
- 149. **Brussels-Antwerp (E19):** Berlin-type sheet pile wall
- 150. **Brussels (Picardbrug):** Bored piles
- 151. **Charleroi (Grand Hôpital):** Anchored secant pile wall

152. **Couvin (Phase 3):** Secant pile walls, Berlin-type sheet pile walls and ground anchors
153. **Deinze (bicycle and pedestrian tunnels):** Sheet pile wall
154. **Dendermonde (Olympos/Kalendijk):** Sheet pile pits and shoring up. Beernem (Oostveld): Sheet pile wall and HDI screen
155. **Diegem (PwC):** Anchored soil mix wall and Berlin-type sheet pile wall
156. **Doornik (Traverse phase 2/3/4):** Installation of steel tubular piles
157. **Estaimpuis:** Sheet pile wall
158. **Galmaarden (W479):** Concrete vibro piles, sheet pile walls and micro-piles
159. **Gent (Limbastraat):** HDI screen
160. **Genk:** Sheet pile wall and shoring up
161. **Halle (Zuidbrug and Zennebrug):** Secant pile walls, anchoring with grout anchors
162. **Harelbeke (weir lock):** Micro-piles
163. **Hasselt:** Soil mix wall
164. **Hoegaarden (remediation Sint-Katarina-Houtem):** HDI
165. **Hofstade (Hekkestraat Studio's):** Sheet pile wall
166. **Ieper (De Vloei):** Anchors
167. **Kortrijk (Broelkant):** Anchored soil mix wall and HDI piles
168. **Kraainem (bicycle highway along the R22 road):** Sheet pile wall and bored piles (GVS)
169. **Kruikebe (pumping station):** Sheet pile wall
170. **Kuringen (railway bridge):** Ground anchors
171. **La Louvière (Paco centre Ouest):** Sheet pile wall
172. **Landegem-Aalter (railway line L50a):** Driving test and sheet pile walls
173. **Leuven:** Sheet pile wall
174. **Lichtaart (sewage water treatment plant):** Anchored soil mix wall and HDI piles
175. **Liege (Asklepios):** Secant piles, anchors and micro-piles
176. **Lixhe (Siemens):** Sheet pile wall
177. **Loppem (roundabout exit A10):** Sheet pile wall
178. **Machelen Kerklaan (phase 1):** Anchored soil mix wall
179. **Merchtem (Ginder-Ale):** Micro-piles
180. **Mechelen (railway bypass):** Sheet pile wall
181. **Mechelen (waterside Tichelrij):** Anchored soil mix wall, micro-piles and dewatering operation
182. **Merksem (Theunisbrug):** Micro-piles
183. **Moeskroen:** Sheet pile pits
184. **Oostkamp (O'Forty):** Anchored soil mix wall, anchored HDI pile wall, micro-piles as tension anchors, earthworks and dewatering operation
185. **Ostend:** Sheet pile wall
186. **Roeselare (Proximus site):** Anchored soil mix wall
187. **Saint Ghislain:** Sheet pile wall
188. **Sint-Gillis-Waas, Tomatt:** Gravel piles
189. **Sint-Niklaas (sewage water treatment plant Sinaai):** Sheet pile wall and shoring up
190. **Tubize (Parc d'Activité Eco):** Sheet pile wall
191. **Varsenare (residential care centre Avondrust):** Anchored soil mix wall and Berlin-type sheet pile wall
192. **Villers-la-Ville:** Sheet pile wall
193. **Vilvoorde (4 Fonteinen):** Anchored soil mix wall
194. **Willebroek (Kanaalzicht):** Sheet pile wall
195. **Wilrijk (Rio-link):** Gravel piles
196. **Wilsele (A2/E314):** Sheet pile wall
197. **Wingene:** Gravel piles
198. **Zeebrugge (Elisabethlaan):** Sheet pile wall
199. **Zeebrugge:** Sheet pile wall
200. **Zemst (Collector Schom):** Sheet pile wall and shoring up
201. **Zulte:** Secant piles

## FRANCE

202. **Lewarde:** Soil mixing as water-inhibiting screen
203. **Mitry Mory:** Secant pile wall



# ENVIRONMENTAL ACTIVITIES

Historical pollution is a problem sometimes encountered on former industrial or active construction sites or in existing port areas. Jan De Nul Group has comprehensive experience in handling such polluted sites. We remediate on site or excavate the polluted soil and bring it to one of our valorisation centres, always in view of its reuse in alternative applications. As such, we contribute to a circular world.



## ENVIRONMENTAL DREDGING AND SEDIMENT TREATMENT

### BELGIUM

- 204. **Antwerp (Amoras):** Management and operation of the installation for the mechanical dewatering, recycling and storage of sediments originating from the Antwerp port
- 205. **Gent-Terneuzen (Maritieme Toegang):** Environmental maintenance dredging works in the navigation channel of the canal Gent-Terneuzen. Dredging and treatment of 100,000 m<sup>3</sup> of sediments per year
- 206. **Gent-Terneuzen (Maritieme Toegang):** Maintenance dredging works in the canal Gent-Terneuzen. Dredging and treatment of 80,000 m<sup>3</sup> of sediments and dredging and removal of 30,000 m<sup>3</sup> of sediments to Amoras
- 207. **Gent (PSR/OVAM):** Dredging and treatment of sediments of De Lieve; nature-based remediation using reactive embankment mats (European Resanat project)
- 208. **Saint-Ghislain (Spaque):** Dredging works for cleaning the Hene river

### FRANCE

- 209. **Valenciennes (VNF):** Maintenance dredging works in the river Scheldt and in the canal of Sensée

### SWEDEN

- 210. **Oskarshamn:** Environmental dredging works in the port of Oskarshamn, dredging and treatment of 400.000m<sup>3</sup> of contaminated sediments and operation of the landfill

## SOIL REMEDIATION

### BELGIUM

- 211. **Aarschot (Duracell):** Permanent injection infrastructure and periodical injection in view of stimulated reductive dehalogenation
- 212. **Aartselaar (Cofely Fabricom):** In-situ remediation of site contaminated with VOCI by way of multi-phase extraction
- 213. **Antwerp (Antwerp Dry Docks):** Installation and operation of a water treatment plant
- 214. **Antwerp (Fort Sint-Filips):** Remediation (isolation by way of cement-bentonite wall and HDPE film, in-situ capping of water bed, excavation and treatment of core area), flooding of 'Polder' sites, dike reinforcement works and widening of pipe strip
- 215. **Antwerp (Vopak):** Groundwater pumping test, pilot test and both design and execution of a

control measure for a groundwater plume of chlorinated solvents

- 216. **Beernem (Nordica):** In-situ remediation through 'pump and treat' and soil air extraction
- 217. **Borgerhout (Texaco):** In-situ soil and groundwater remediation of an operational petrol station through groundwater lowering and soil air extraction
- 218. **Brussels (Carcoko Marly):** Soil and groundwater remediation of former gas factory
- 219. **Chapois (BEP Environnement):** Capping of former landfill
- 220. **Deerlijk (Fabrimode):** Remediation of a site contaminated with mineral oil, caused by a leak in an underground gasoline storage tank
- 221. **Dendermonde (Philips):** Soil and groundwater remediation of chlorinated solvents through excavation and enhanced reductive de-chlorination (ERD)
- 222. **Drogenbos (Allnex):** Excavation and purification of contaminated soil
- 223. **Gent (ABC):** Groundwater remediation through floating layer removal and groundwater extraction and treatment
- 224. **Gent (Katoennatie (Sabeen)/DFDS Logistics):** Soil remediation works through excavation and treatment of soils in our valorisation centre in Gent
- 225. **Gent (Tondelier):** Remediation of heavily contaminated site of former gas factory
- 226. **Gijzegem (Vlabotex):** Soil and groundwater remediation of VOCI contamination through excavation, soil air extraction and biological stimulation
- 227. **Hamont-Achel (Punch Metals):** Soil and groundwater remediation and control of groundwater plume
- 228. **Herk-De-Stad (OVAM):** Soil and groundwater remediation by means of excavation, treatment of contaminated soils, installation of injection network and injection of carbon sources in view of stimulating anaerobic dehalogenation
- 229. **Kortrijk (Barco):** Soil and groundwater remediation for brownfield redevelopment by way of control measures, excavation, pump and treat and enhanced reductive de-chlorination (ERD)
- 230. **Laken (Senior Assist):** Soil remediation on site Fourcroy
- 231. **Liège (CHC asbl):** Earth-moving works and internal site transport of lightly contaminated soils
- 232. **Machelen (Pegasus Park):** Excavation of former landfill and high-vacuum extraction in view of floating layer removal
- 233. **Ostend (Texaco):** Excavation and high-vacuum extraction in view of floating layer removal
- 234. **Sambreville (Spaque):** Redevelopment of the coal mining site 'Charbonnage Ste Eugénie' in Tamines



- 235. **Schoonaarde (Allnex):** Remediation of soil and groundwater contamination with DNAPL, naphthalene, btex and tar products through pure product extraction
- 236. **Vilvoorde (Vlabotex):** In-situ remediation of VOCI contamination through compressed air injection and soil air extraction
- 237. **Zelzate (CR2):** Remediation of a former phosphoric acid and cokes factory in Gent / Evergem and Zelzate; redevelopment as Business Park
- 238. **Zelzate (VFT):** Soil and groundwater remediation of a tar factory through pump and treat and soil air extraction
- 239. **Zwijndrecht (3M):** Pump and treat remediation project; maintenance contract

## FRANCE

- 240. **Maubeuge (Garage Citroën):** Demolition works and soil remediation on site of former service station

## WASTE AND VALORISATION

### BELGIUM

- 241. **Antwerp (Indaver):** Setting up a landfill site consisting of 3 cells: earthworks, embankments, film and drainage set consisting of mats, sand and drainage pipes
- 242. **Antwerp (THV SeReAnt):** Film works in sand extraction pit Amoras
- 243. **Port of Antwerp (Plastic Challenge – RandD project):** To stop the historical pollution by millions of plastic pellets in the nature reserve Galgeschoor (Port of Antwerp), Envisan designed a pellet Hoover, the Nul-0-Plastic
- 244. **Evergem/Zelzate (Terranova):** Remediation of the former gypsum landfill; operation of a new CAT2 landfill and energy park
- 245. **Moen (Imog):** Capping of a new landfill section

## SOIL AND SEDIMENT TREATMENT CENTRES

### BELGIUM

- 246. **Gent (Hulsdonk):** Operation of valorisation centre
- 247. **Liege:** Operation of valorisation centre
- 248. **Moen:** Operation of valorisation centre
- 249. **Mons (Saint-Ghislain):** Operation of valorisation centre

## FRANCE

- 250. **Toulon (La Seyne-sur-Mer):** Operation of valorisation centre CPEM





# PROJECT DEVELOPMENT

Jan De Nul Group is also active in the remediation, repurposing and sustainable development of polluted industrial sites and un(der)utilised sites. For this, we apply the formula 'Unburdening, Unlocking, Developing'. We take on the complete development track and create space for new destinations, in close cooperation with end users, investors, public authorities and business partners.



## BELGIUM

251. **Aalst (Kaai District):** Urban renewal project of the station district into a mixed, multifunctional use
252. **Diegem (Desmedt):** Redevelopment of the old sand quarries into a residential project
253. **Ghent (Regional Business Park Ghent North):** redevelopment of former tar works Lumco into Regional Business Park Ghent North
254. **Haren (Castrol):** Redevelopment of former Eternit factory site into tailor-made SME units
255. **Izegem (Dac'art):** Redevelopment of former animal feed production unit Dacar-Michiels and neighbouring plot into residential project Dac'art
256. **Knokke (Albertplein):** Renovation of the place 'matuvu': construction of 2 floor underground car park, renovation of existing utilities and sewerage, as well as the complete above-ground redevelopment of the public square, including a hospitality business
257. **Liège (Coroneuse):** Urban renewal project located at the confluence of Meuse and Albert Canal. Redevelopment of a 25 hectare district where the world exhibition took place in 1939 into a new eco-district
258. **Machelen (Sanimet):** Redevelopment of former Sanimet site in an urban development zone
259. **Mechelen (Inofer):** Redevelopment of former rubber plant site and metalworks into mixed use site
260. **Rijmenam (Meurop):** Redevelopment of former cabinetmaking site Meurop into mixed use site
261. **Vilvoorde (AIBV):** Redevelopment of former car inspection site into 'build to suit' business real estate
262. **Vilvoorde (4 Fonteinen):** Monitoring and implementation of soil remediation works for brownfield and urban renewal project
263. **Wilrijk (Gedimat):** Redevelopment of former Gedimat-site into a residential project including apartments and houses



