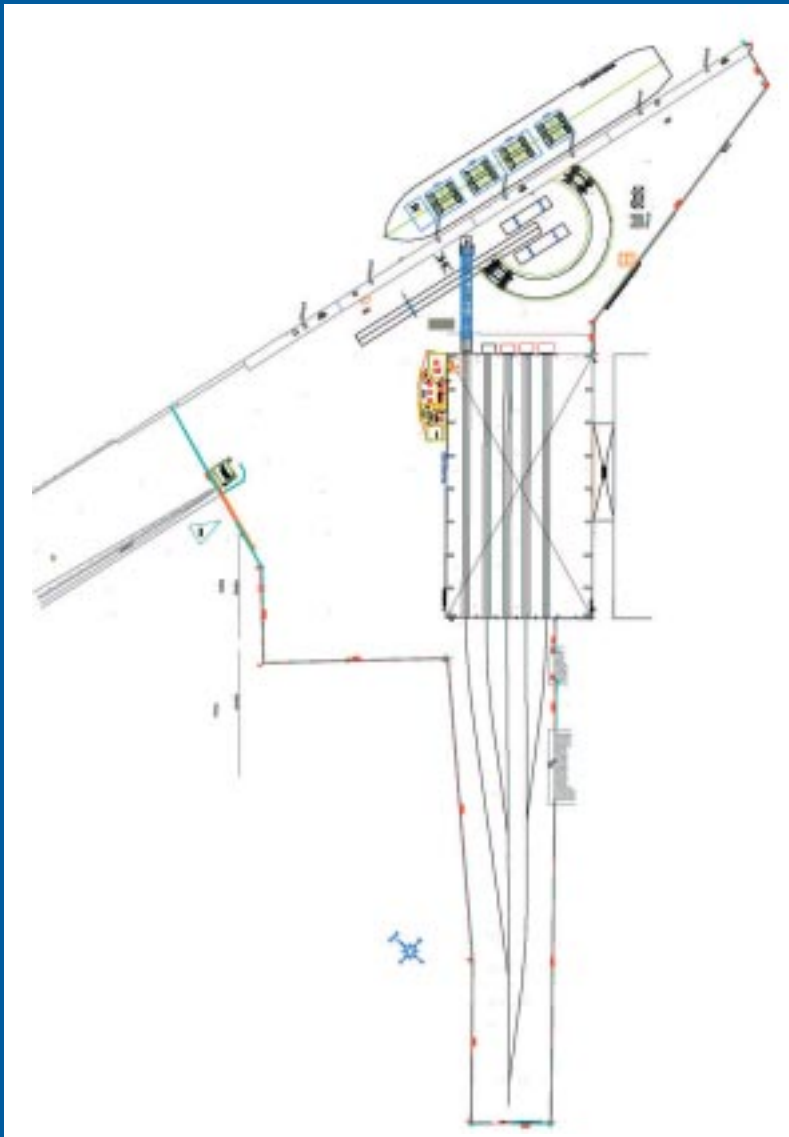


Design, Construction, & Operation of a Dedicated Marine Terminal for the Transport of Nuclear Material

Mr Philippe de Place, Port Autonome de Dunkerque, France. Mr Michel Zachar, BNFL SA, France.



Amenities



Health Physics Laboratory



Watchmen amenities



Lorry Parking Facility



Security fence



Shunting of rail wagons



Rail spur



Rail spur under construction



Wagon Parking Facility

| Radius (m) | Capacity at 50% of tipping load as used for nuclear materials | Capacity at 75% of tipping load (CE regulatory limit) for other than nuclear materials (T) | Crane rigging configuration |
|------------|---|--|---|
| 8 | 284 | 435 | Crane rigged in SSL configuration Main boom length: 42m Superlift counterweight 250T Superlift radius: 15m Crane counterweight: 149 T |
| 9 | 284 | 435 | |
| 10 | 284 | 435 | |
| 12 | 284 | 435 | |
| 14 | 265 | 405 | |
| 16 | 229 | 351 | |
| 18 | 213 | 327 | |
| 20 | 190 | 292 | |
| 22 | 172 | 259 | |
| 24 | 153 | 231 | |
| 26 | 138 | 209 | |
| 28 | 125 | 190 | |
| 30 | 115 | 175 | |
| 34 | 87 | 133 | |
| 38 | 75 | 115 | |

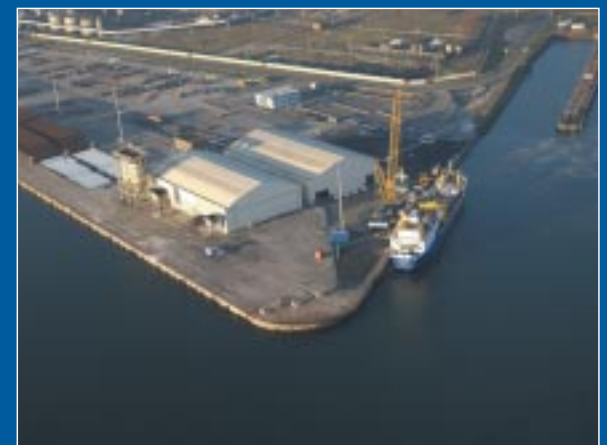
Crane Load Table



Location of BNFL New Marine Terminal



European Shearwater at berth



Aerial view of the terminal



Flask handling operations



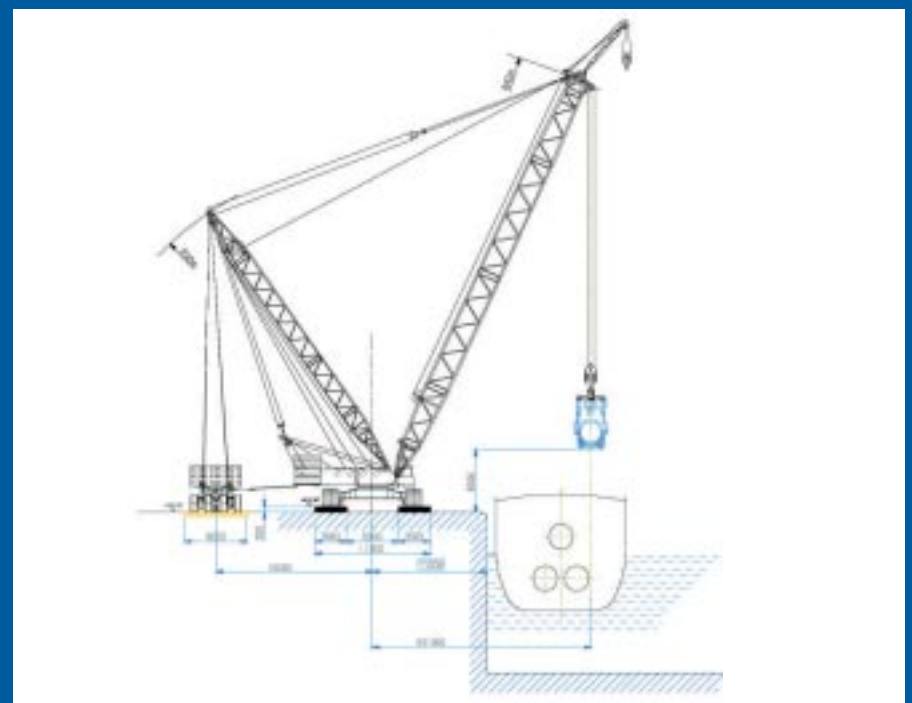
Excavation Work



Reinforcement work



Demag CC2600 crane



DEMAG CC2600 lifting crane