

ROTTERDAM WORLD GATEWAY

HGK LOGISTIK DIALOG RHEINLAND

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Seamless access to Europe

ABOUT RWG



LOCATION



ROTTERDAM WORLD GATEWAY



LOCATION



MAASVLAKTE 2

Industrial sites	1,000 hectares
Infrastructure	290 hectares
Seawall	230 hectares
Waterways and ports	510 hectares



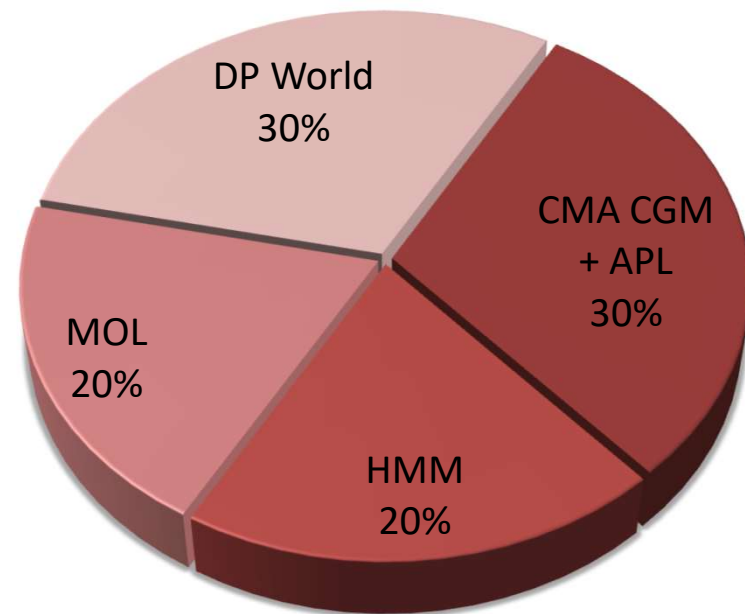
LOCATION



ROTTERDAM WORLD GATEWAY



- Dutch organization with international shareholders:
- Liner terminal that commercially acts in the market
- DP World expert partner
- Officially opened September 2015
- Throughput:
 - Phase 1: 2.480.000 TEU per year
 - Phase 2: 2.000.000 TEU per year
- Total investment 675 million



ORGANIZATION



- Flat organization with a clear structure and strategy
- Good mixture of experienced and just graduated staff, and people from other businesses
- Majority of RWG staff highly educated > other competences than employees from more traditional terminals
- All traditional 'Dockers' work is subcontracted to unionized, experienced Rotterdam contractors:
 - Lashing: International Lashing Services BV
 - Terminal activities (ITV, Rail, Reachstacker): RCT BV
 - Reefer Monitoring: SeaMark Reefer Services BV

SEAMLESS ACCESS TO EUROPE



- RWG provides container storage and transshipment with maximum efficiency
- A seamless transit of containers from all over the world to consumers and businesses in Europe.
And vice versa
- The world's most modern and innovative container terminal
- High grade of automation
- New standard in container handling:
 - Productivity
 - Safety
 - Sustainability
 - Reliability
 - Customer Service

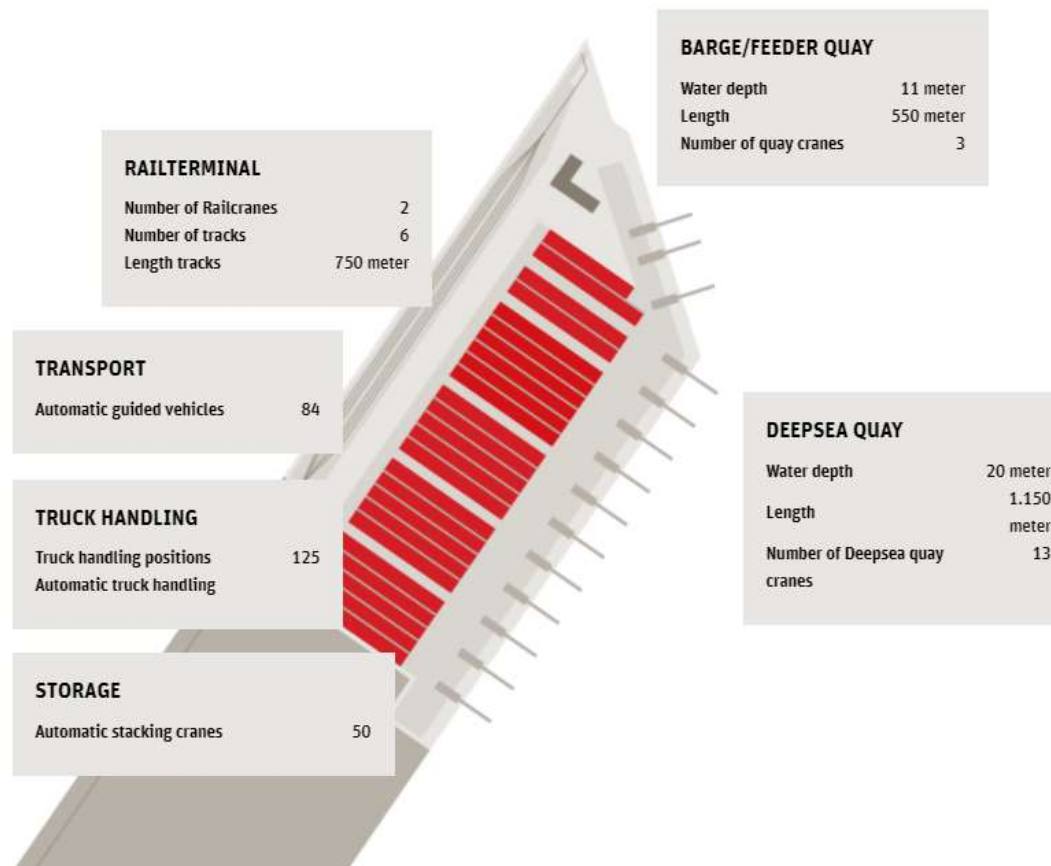


USPS RWG

- Focus on customer and stakeholder satisfaction
- Equipped to handle the world's largest vessels
- 24/7 in operation
- Accessibility terminal: tri-modal
- Dedicated handling for all modalities
- Real-time and transparent communication through RWGServices web portal and application
- Safe operation due to less human interference
- Simplified Customs procedures: no Customs stops
- Environmentally friendly



FACTS & FIGURES



OPERATION



OPERATIONAL CONCEPT



- High grade of automation:
 - Remotely operated Quay Cranes
 - Automated Stacking Cranes
 - Automated horizontal transport
 - Automated gate process
 - Automated truck handling
- Dedicated handling facilities for all modalities
- Pre-announcement through **portbase**[®]
- Customs scan integrated in automated process



DEEP SEA



- 13 deep sea quay cranes with dual trolley system
- Up to 25 rows containers across (two up to 26 rows)
- Remotely operated



YARD



- Automated horizontal transport:
 - 84 battery powered lift-AGVs
 - Drop off and pick up via racks in front of stack
 - Decoupled process between stacking crane and AGV
- Automated yard:
 - 25 modules with each 2 ASCs
 - 9 cantilever modules to enlarge waterside capacity

BARGE



- Dedicated barge/feeder quay:
 - 3 barge/feeder quay cranes
 - Up to 11 rows containers across
 - Remotely operated
 - Dedicated stacking modules close to quay



RAIL



- On-dock rail terminal:

- 2 Rail Cranes
- 6 tracks



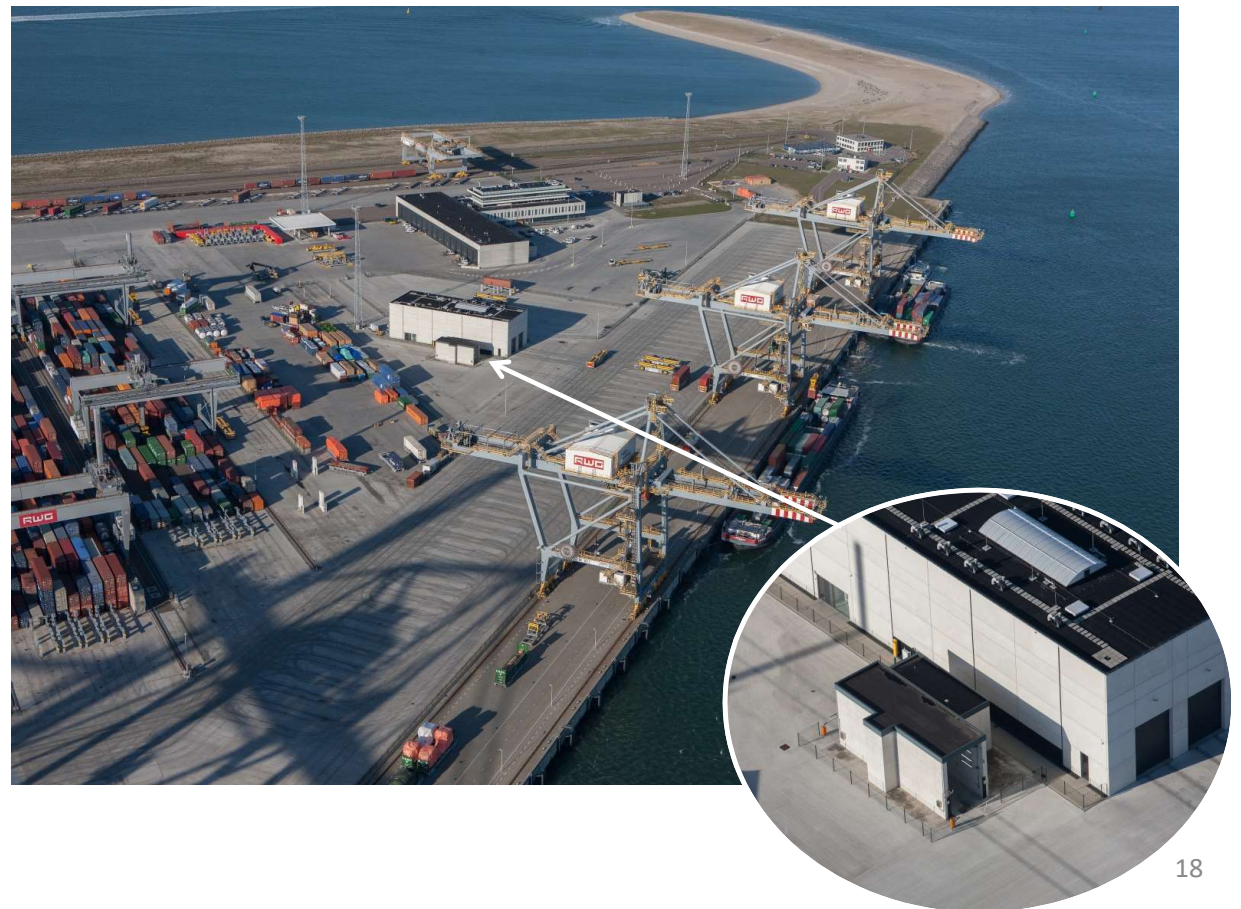
TRUCK

- Fully automated gate process:
 - Pre-announcement truck visit through Portbase
 - Slot management
- Automated truck handling:
 - 125 automated truck handling positions
 - Remote support for exceptions



CUSTOMS

- Simplified Customs procedures:
 - Limited Customs presence
- X-Ray scan:
 - Integrated in automated AGV process
 - In full operational and technical management of Customs
- Nuclear detection:
 - Truck
 - Rail
 - Barge
- Authorized Economic Operator (AEO)



SEAMLESS ACCESS TO EUROPE

