
CONTAINER EXCHANGE ROUTE. THE SMART WAY TO CONNECT. MAKE IT HAPPEN.



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As one of the world's leading ports, Rotterdam harbours the ambition of being the 'smartest port'. The Port of Rotterdam Authority is embracing the energy transition and digitisation as an opportunity for making logistics chains that pass through Rotterdam more efficient, more reliable and hence more competitive. A perfect example of Rotterdam's innovative ambition is the realisation of the Container Exchange Route (CER).

Rotterdam has five independent deep sea container terminals and offers Europe's largest container cluster. The logistics on the terminals and between the port's container facilities should be as efficient as possible. That is why the Rotterdam Port Authority is introducing the Container Exchange Route; the largest, most advanced container exchange system of its kind.

THE MAIN ADVANTAGES

better connectivity, shorter port call turnaround times, more flexibility and lower exchange costs

The CER comprises dedicated infrastructure, logistics agreements and ICT systems that link the port's terminals, container depots, State Inspection Terminal and distribution centres. On the CER track autonomous vehicles transport the containers to their destination, fast and efficiently, undisturbed by other traffic. The expectation is that ultimately, over 1 million containers per year will be exchanged. Construction of the CER track has started in April 2019. The CER will be operational at the end of 2021.



CER COMPRISES:



- some 17 km of new paved road
- 5 ground level intersections with public roads
- 4 ground level railway crossings
- 4 grade-separated railway crossings
- boarding points and hand over areas
- construction of a test site ('Area21') for autonomous vehicles
- construction of a Transport Control Location (TCL)
- ICT systems (e.g. CER platform, planning optimizer, interfaces with TOS)
- logistic and service level agreements
- European tender for autonomous transport (Transport As A Service (TAAS)) on the CER
- contracting the operator (PortShuttle Rotterdam B.V.) on the CER

The port of Rotterdam is the largest container hub in Europe. The huge scale of the port's container throughput creates interesting benefits. For example, Rotterdam has scheduled connections with over 1,000 ports worldwide and excellent intermodal links to the European mainland.

Port of Rotterdam Authority

The aim of the Port of Rotterdam Authority is to strengthen the competitive position of the port of Rotterdam as a logistics hub and a world-class industrial complex in terms of both size and quality. The Port Authority is able and willing to make an impact and so it is focusing on accelerating sustainability in the port and it is a partner in the digitalisation of the port and logistics chains. The Port Authority's core tasks are the sustainable development, management and operation of the port, the maintenance of the smooth and safe handling of shipping and supporting the future-resilience of the port of Rotterdam.

More information

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