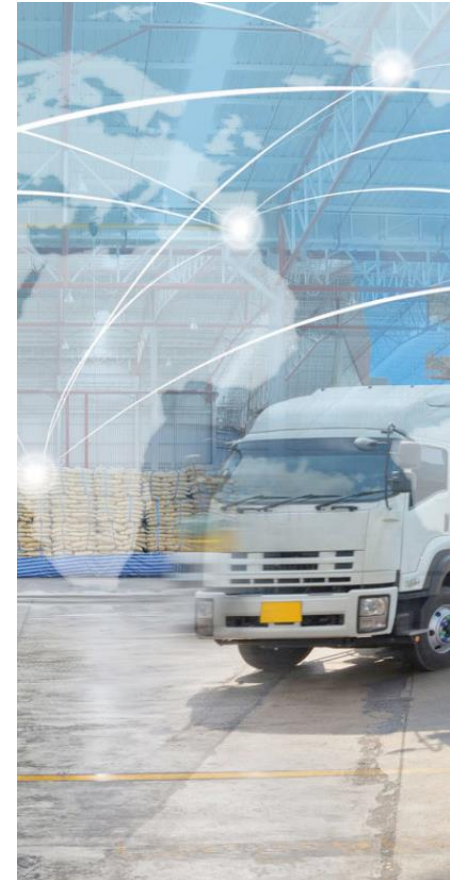
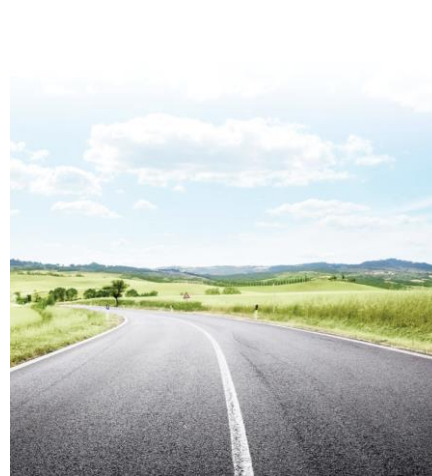


The Availability of LNG along the Rhine – A Practical Example from LIQUIND 24/7

Liquind in a Nutshell



We have been developing our business since 2014 – LIQUIND is ready to make LNG available in Duisburg and Mannheim

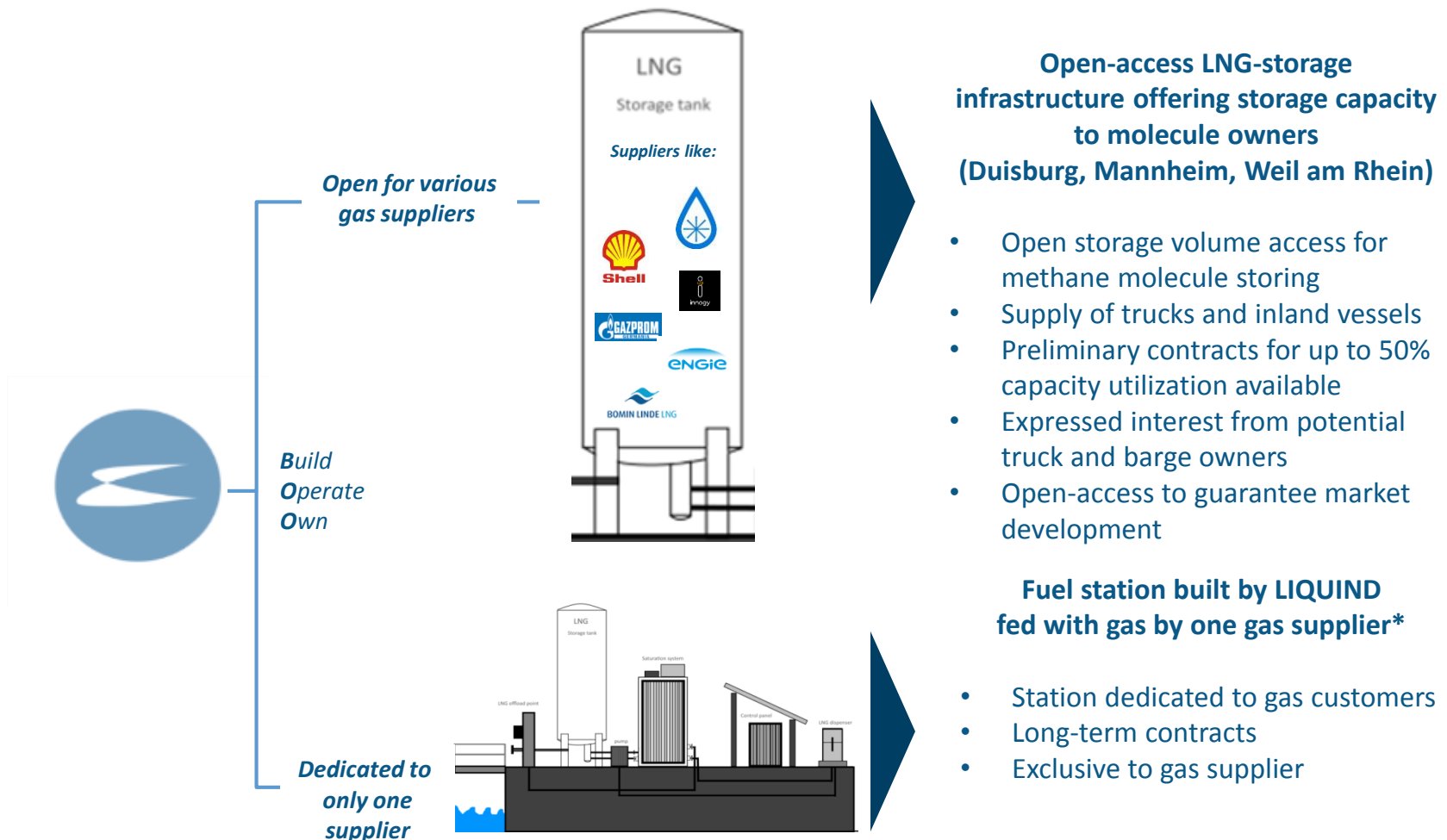




We have decided to take on the responsibility of promoting the LNG-as-fuel segment to make our world cleaner

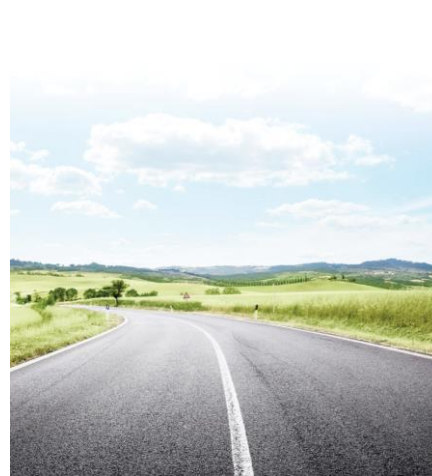
LIQUIND will make the ecological and economical benefits of LNG available to the German energy market until 2018 through the development of a country-wide distribution network and subsequent pan-European rollout.

LIQUIND is a provider of open access LNG storage and filling infrastructure – gas suppliers are highly welcome for joint use



* Kind of DODO (Dealer Operated Dealer Owned) fuel station

LNG as Fuel by LIQUIND



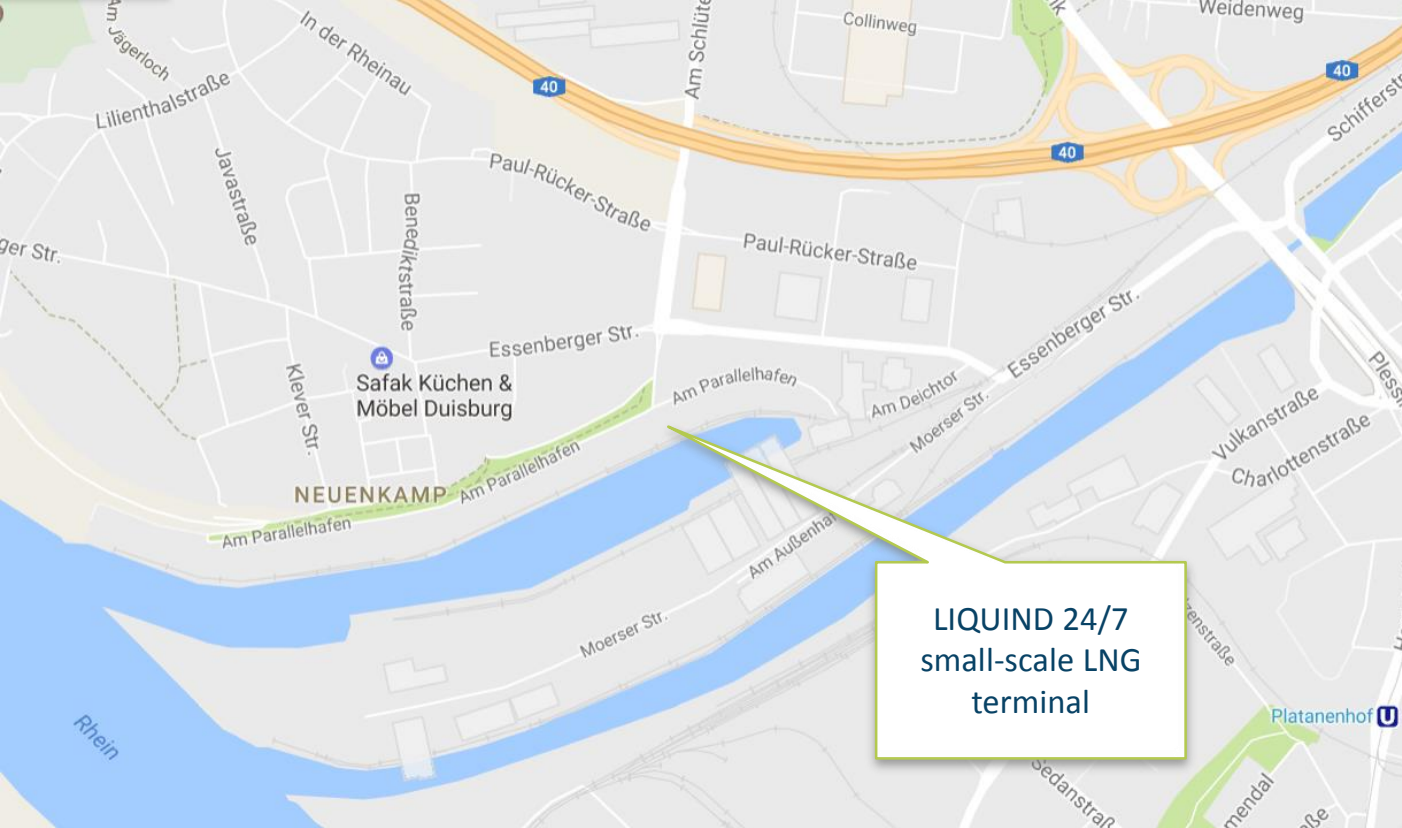
In order to make LNG available at major logistics hubs, LIQUIND has decided to realize points of LNG supply



Starting in Duisburg, Mannheim and Weil am Rhein

LNG storage & supply infrastructure

- Development of a LNG distribution infrastructure along the river Rhine
- Focus on the inland harbours of Duisburg and Mannheim as essential LNG-hubs and a smaller unit in Weil am Rhein
- Modular set-up of two LNG terminals in Duisburg and Mannheim with a large storage volume
- Supplying inland navigation, heavy road transportation as well as local traffic with LNG and CNG
- Security of LNG supply via containers, inland carriers or tank wagons



LIQUIND 24/7
small-scale LNG
terminal

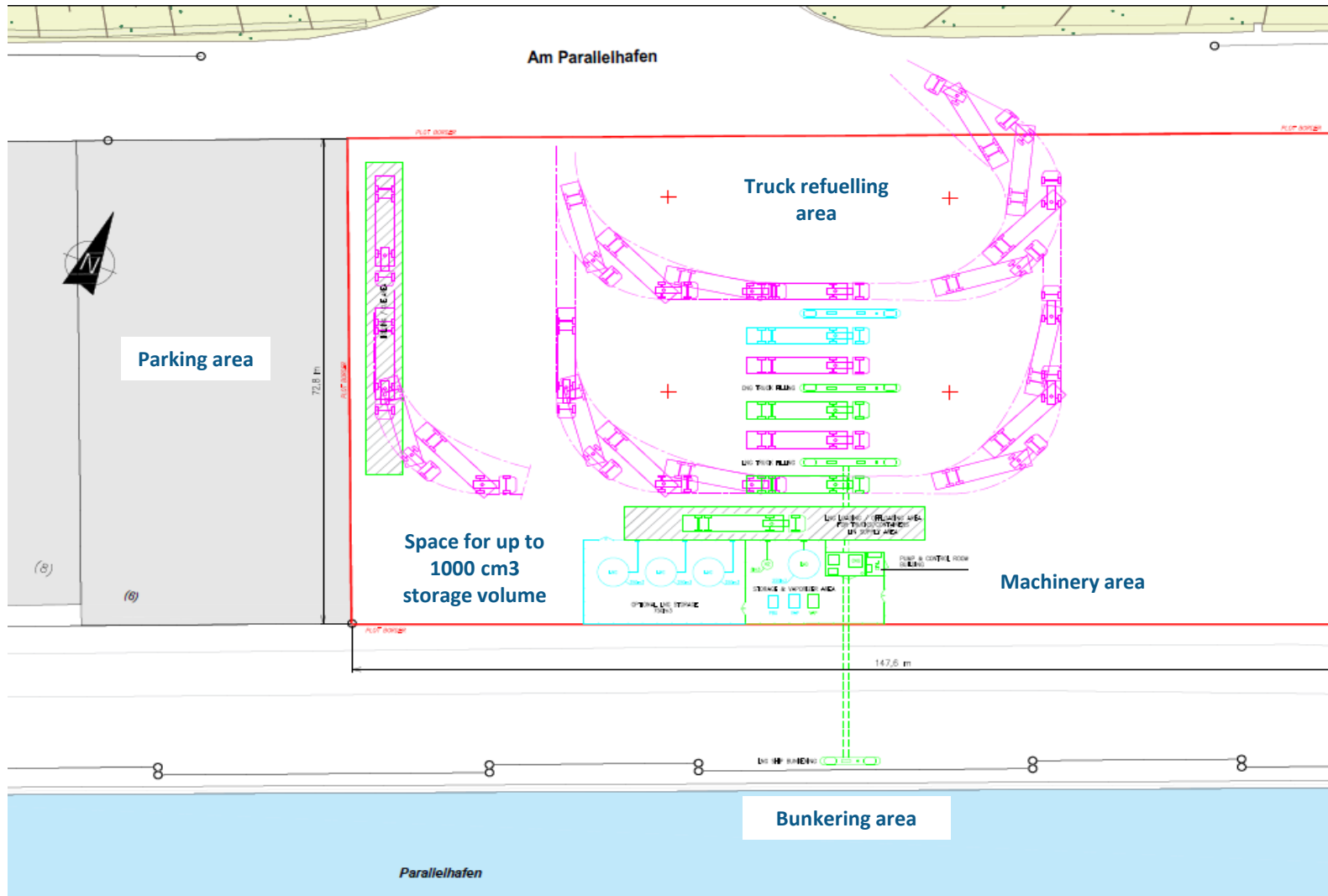
Location Duisburg

- Duisburg is the largest European inland waterway harbour
- Handling of more than 20.000 inland vessels per year
- Tens of thousands of trucks running in and out of Duisburg to distribute goods
- Handling of 20.000 trains per year

Site Criteria

- Suitable size
- Good road connection (Highway A40)
- Easy access for trucks
- Usable pier for barges existing
- Railway connection
- Potential permit for handling LNG

The designated plot in Duisburg provides spaces for large storage volume, barge bunkering and up to 3 bays for truck refuelling*



*Permitting process is readily advancing

In the meantime LIQUIND has already installed a mobile LNG station in Duisburg - you are highly welcome to visit!



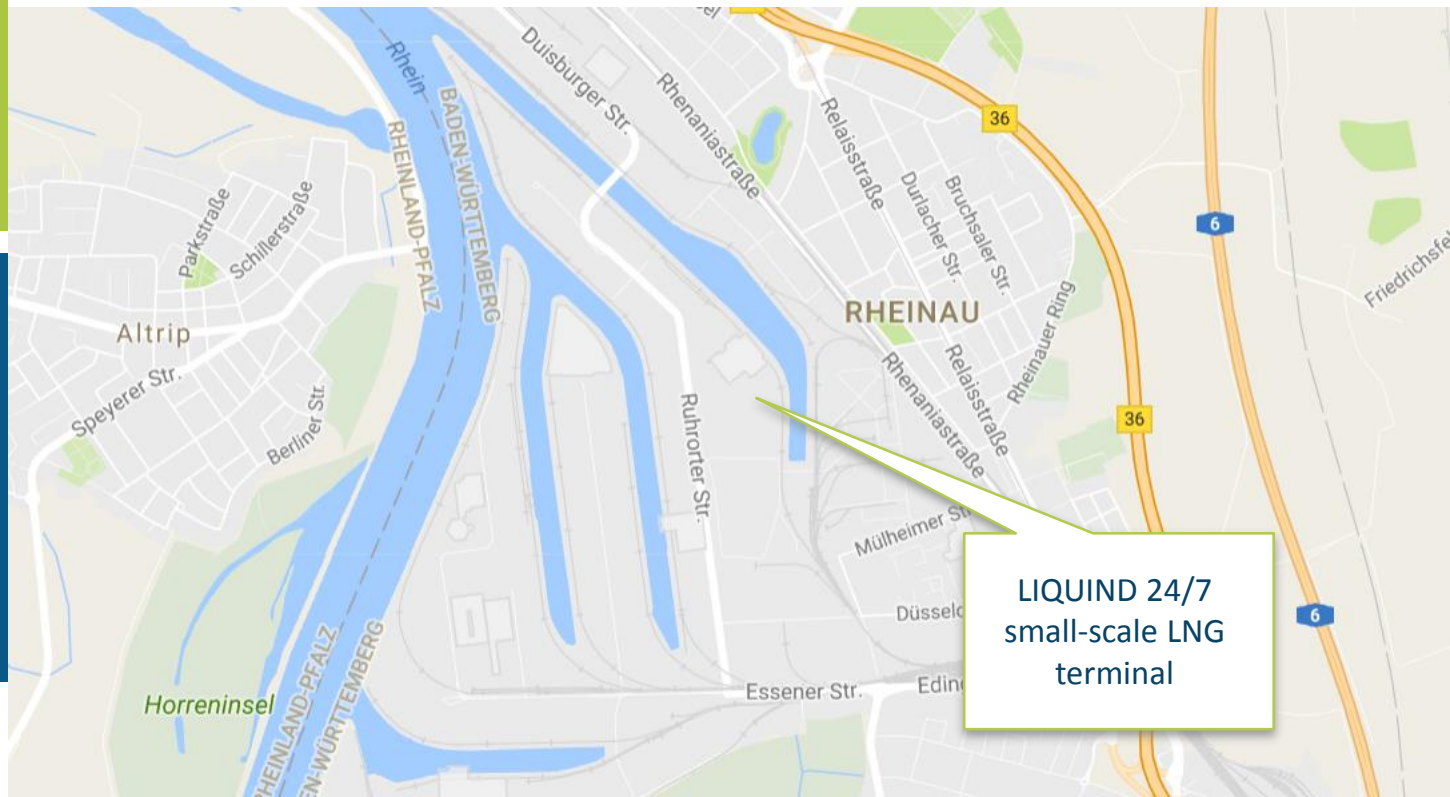
- Mobile LNG station for demonstration purposes
- Installed at Duisburger Parallelhafen
- Accessible by potential customers
- No permits necessary
- ADR-permit available
- Approx. 7 tonnes LNG capacity
- Semi-automized
- Pump attendant necessary
- ...

Location Mannheim

- Mannheim is the second largest German inland waterway harbour
- Handling of more than 7.000 inland vessels per year
- Tens of thousands of trucks running in and out of Mannheim to distribute goods in the economical strong agglomeration
- Strong chemical and automotive industry

Site Criteria

- Suitable size
- Good road connection (Highway A6)
- Easy access for trucks
- Close to major logistics companies
- Railway connection



Our roll-out model focuses on the most important inland waterways

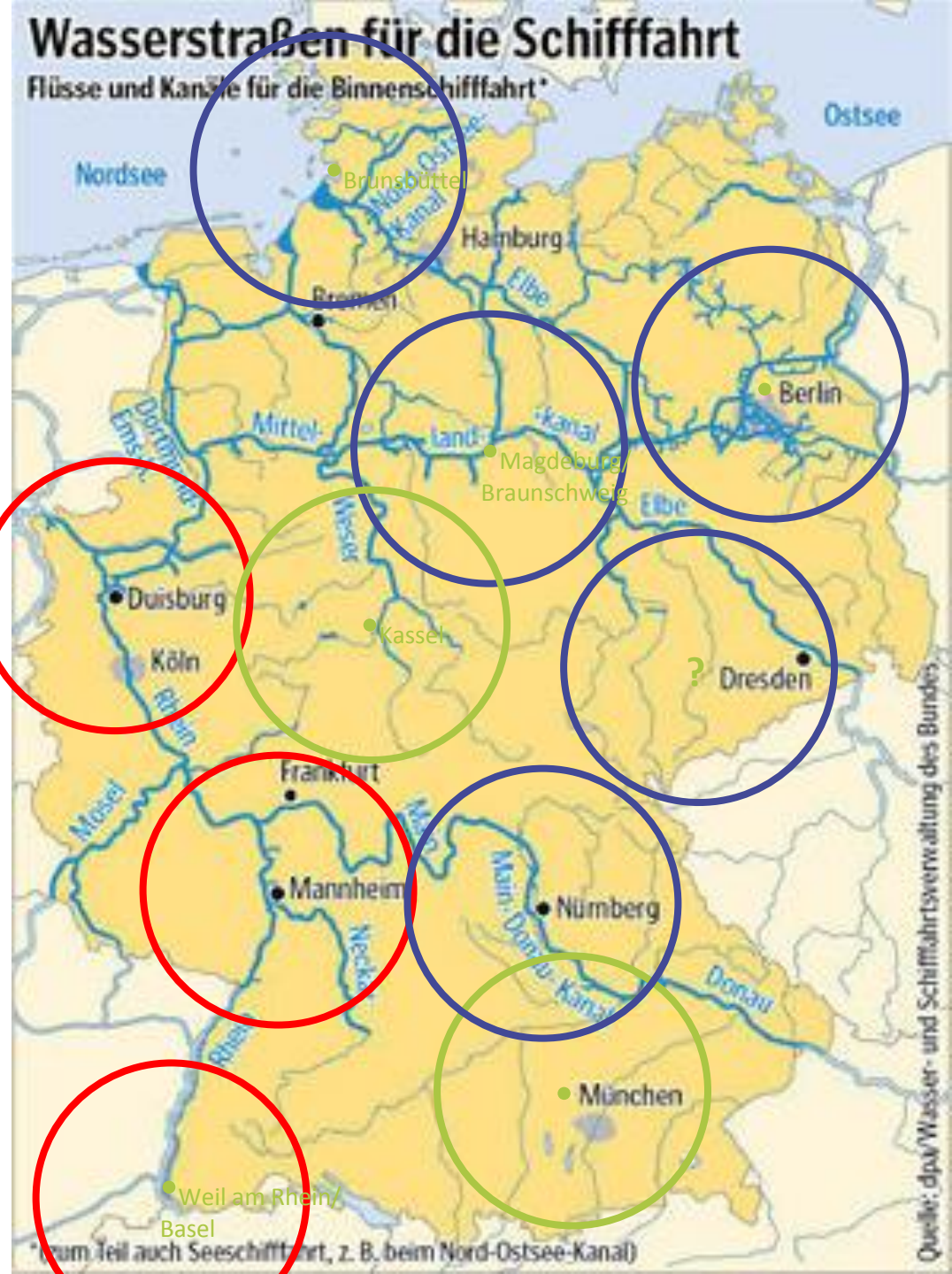
- Consistent development of EU-funded sites in Duisburg, Mannheim and Basel/Weil am Rhein



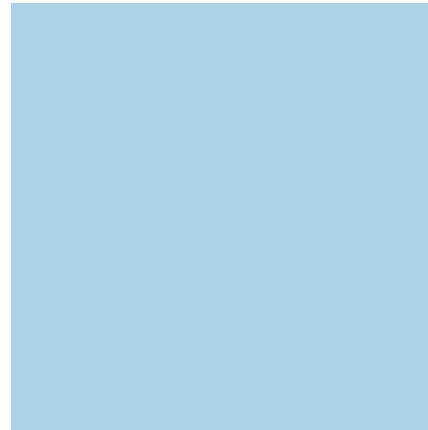
- LNG-infrastructure development along the German inland waterways in order to build a cost-effective LNG-supply chain



- LNG-infrastructure development at important traffic and logistics hubs and around agglomerations with connection to rail and road



**Thank you
for your attention !**



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Connecting Europe Facility

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