



LNG Bunkering Systems

CMC Cerezuela in 2018 took a step forward in the advancement of LNG Truck-to-Ship refuelling operations.

Detecting the main problematic of LNG ship refuelling operations where:

- Operation time limited by shipowners and ports
- Cost of Ship-to-Ship LNG bunker operations
- Difficulty to operate a fixed dock-to-Ship refuelling station.

At CMC Cerezuela we decided to improve Truck-to-Ship and Multi-Truck-to-Ship operations, starting the SISDESBUNK project with these targets:

1 Fastest speed

Multi Truck-to-Ship at 180 m³ LNG/h.

2 Secure

Allowing the fastest security operation in any case.

3 Compact

Allowing smallest occupation of port facilities.

4 Easy to operate

Fast and easy to transport.

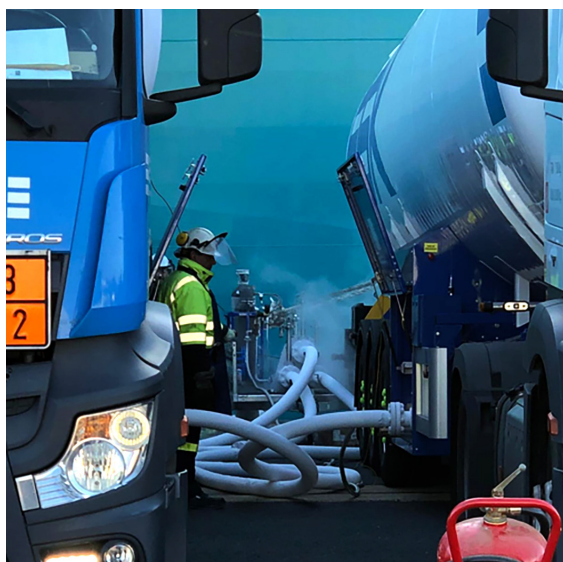
5 Competitive to operate

4 people are needed (energy-transport operator).

6 Flexible

It allows to adapt to different LNG Bunkering situations and the system is completely self-powered (no needed for electric supply in any case). With possibilities to operate simultaneously 1, 2 or 3 semitrailers to 1 ship.





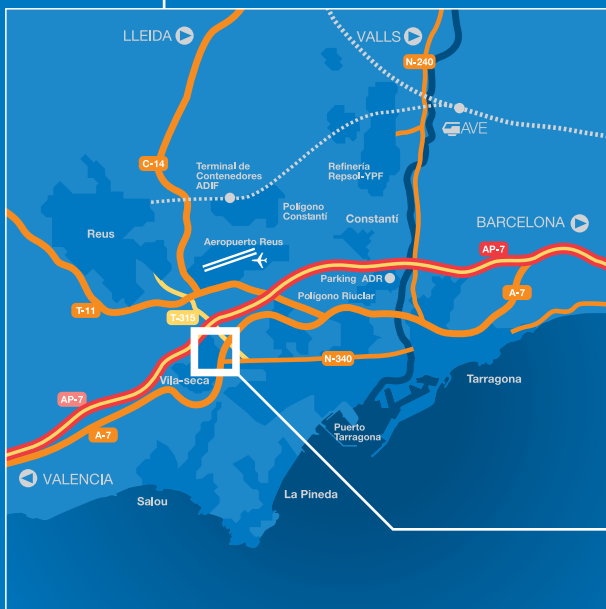
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 These targets were achieved in 2019, and since then CMC Cerezuela's LNG bunkering systems have been used to fuel vessels every day, with more than 1,000 operations per year by 2020, and growing.

The equipment that composes our system are:

- **High-performance** CMC Cerezuela LNG tank semi-trailers with the following main features:
- **High quality insulation**, which allows one of the longest effective holding times in the market, reducing methane emissions, operating costs and ensuring greater safety.
- **Low tare weight**, which offers good performance, safety and reduced OPEX.
- **High flow complete system**, which allows to achieve the good results of this bunkering system, among others.
- **Sidesbunk CMC Cerezuela** manifold that is adapted to work perfectly with our LNG tank semi-trailers and is the key point to achieve the overall performance of this system.

And most important, CMC Cerezuela is always at the side of our clients, collaborating to achieve the best possible results and implementing all possible improvements.

In case interested, don't hesitate to contact us at +34 977 395 660, info@cmccerezuela.com or + 34 639 903 008



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