

5th LNG TANK IN ZEEBRUGGE TERMINAL (BELGIUM)

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Abstract

ESTEYCO has been contracted by BALZOLA contractors to provide civil engineering works within the Engineering – Procurement – Construction – Commissioning (EPCC) contract for the 5th LNG Tank in Zeebrugge (Belgium) to FLUXYS.

The project comprises two main structural items.

- The full containment (type H4) high capacity LNG Tank (180,000 m³).
- A cylindrical shell (diaphragm wall) with 102.1 m of inner diameter where LNG tank is enclosed, semi-buried.

Both, the foreseen high capacity and the maximum height limitation due to Belgian Environmental and Visual Impact legislation, lead to define the cylindrical shell where the LNG Tank shall be erected.

Keywords: LNG, Tank, Diaphragm Wall, Aquifer, Boulders, Concrete, Post-tensioning, Belgium.