

PROJECT TITLE	Revythoussa island LNG tanks
LOCATION	Attica, Greece
CLIENT	Public Natural Gas Supply Corporation (DEPA S.A.) - Hellenic Gas Transmission System Operator (DESFA S.A.)

DESCRIPTION

ADK's involvement in the Revythoussa LNG project goes back to **1990**, when the company was awarded the **design review, project management** and **construction supervision** for **civil, structural** and **geotechnical works** pertaining to the **construction of two semi-buried LNG Storage tanks** and their **ancillary facilities**.

Each tank is **27m high** and **65m in diameter**, and has a **65,000m³ capacity**. They are of double-containmentment type, with an outer cryogenic prestressed concrete tank and an inner 9% nickel-steel tank, containing LNG at -170°C. Both tanks are located on a seismic base Isolation system.

As per the original design, the Tanks were foreseen to be supported on laminated neoprene pads of approximately 1m in diameter, which, following the design review that was carried out by ADK, proved to be completely inadequate.

So, ADK was requested to carry out the **full seismic design of the tanks from scratch**, task which was carried out most successfully, by mobilizing the competent in-house design team, supplemented by world renowned University Professors, all experts in the field.

ADK (in J/V), was also awarded the **design review and construction supervision of the LNG Terminal Expansion Project (in 2004)**, as well as of the **Revythoussa 15.5 MW Power Integration Project (in 2007)**.

