

# Special doors for onshore hazardous locations

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The GATE LNG terminal in Rotterdam port is recently built to unload LNG, store it, and insert it into the European gas grid. High demands were put to the blast- and fire protection of the technical buildings and to the doors InterDam supplied.

In the CERN (Conseil Européen pour la Recherche Nucléaire) Large Hadron Collider engineers are probing the fundamental structure of the universe. The highly sensitive equipment is protected by InterDam fire- and blastdoors.

In Jamnagar, India Reliance Petroleum has built the world's largest refinery and is still extending it. InterDam supplied heavy duty fire- and blast rated doors and panels.

## InterDam designed and supplied

GATE LNG Terminal in Rotterdam, Netherlands (2010):

- 7 pcs IDM single hinged doors
- 17 pcs IDM double hinged doors

CERN Large Hadron Collider in Geneva, Switzerland (2009-today):

- 4 pcs IDM single hinged doors
- 2 pcs IDM double hinged doors

Reliance refinery in Jamnagar, India (2014-today):

- 117 pcs IDM single hinged doors
- 10 pcs IDM double hinged doors
- 29 pcs special panels

## Project challenges

The high demands and the protection of sensitive equipment affected the performance requirements of blast and fire resistance, integration in concrete wall, large openings, ice build-up prevention, and long distance shipment.

## InterDam solutions

The challenges were analysed and standard solutions were selected and modified to suit the extra requirements. See the top two pictures above for the results for GATE LNG Terminal in Rotterdam, the bottom two pictures for Reliance refinery in Jamnagar, and the pictures in between for CERN Large Hadron Collider in Geneva.

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