



COMPANY CATALOGUE

Optech Engineering Private Limited, incorporated in 2005 by two experienced technocrats - Siddhartha Desai (Chemical Engineer) and Trisit Bhuiyan (Mechanical Engineer), is dedicated to create a benchmark in the Global hydrocarbon sector.

Optech Engineering is committed in delivering high quality products and innovative technology to its customers.



In order to give our customer the end-to-end solution, the company has four arms

OPFAB Fabrication of Pressure Vessels and Process Equipments

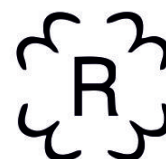
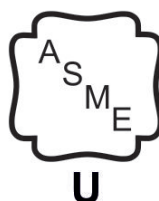
OPCON Turnkey Projects for Hydrocarbon Storage and Handling

OPSERV 24x7 Operation and Maintenance of Customers Assets

OPTTEST Periodic Non Destructive and Statutory Testing Services



ASME U STAMP CERTIFIED





IACS MARINE CLASS LPG/NH₃ CARGO HANDLING SYSTEM
1,000 CBM TO 10,000 CBM LOW DRAFT MARINE AND RIVER GOING VESSELS



5,000 CBM TO 45,000 CBM DOUBLE WALLED API 620
FULL INTEGRITY CRYOGENIC TANKS
FLAT BOTTOM TANKS FOR LIN, LOX, LAR FROM 100 CUM TO 500 CUM



3,000 CBM TO 100,000 CBM **API 650**

INTERNAL FLOATING ROOF | EXTERNAL FLOATING ROOF
DOME ROOF | CONE ROOF | RUBBER LINED

TANKS FOR WHITE OILS, CRUDE OIL, LUBE OIL,
EDIBLE OILS AND CHEMICALS



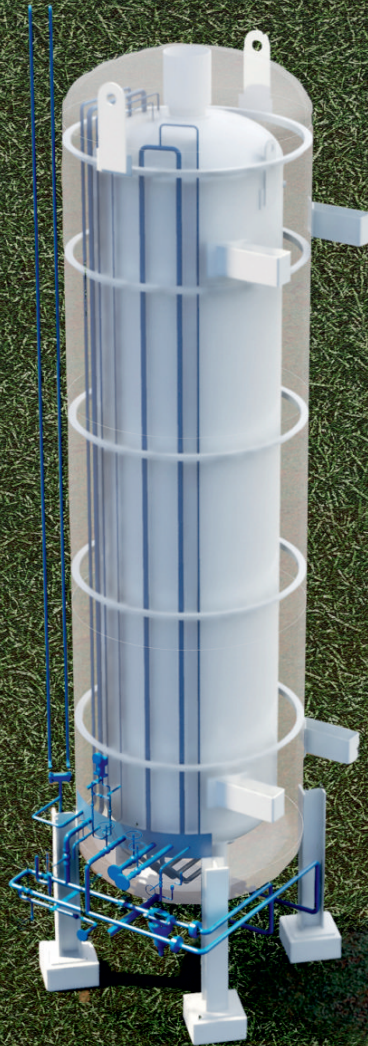
3,000 CBM TO 10,000 CBM **MOUNDED SPHERES**
AS PER SHELL STANDARDS



1,000 CBM TO 10,000 CBM **SPHERICAL TANKS**



EPC CONTRACTS FOR ONSITE
CONSTRUCTION OF UPTO
15 METER LARGE DIAMETER
MOUNDED BULLETS



CRYOGENIC TANKS FROM
1 CUM TO 150 CUM FOR
LNG, LIN, LOX, LAR, LCO₂



HYDROGEN PRESSURE VESSELS UPTO 150 BAR AND CONSTANT
PRESSURE VARIABLE VOLUME GAS HOLDERS WITH SPECIAL
METALLURGY FOR H₂ EMBRITTLEMENT AND SPECIAL SURFACE FINISH
FOR H₂ PURITY OF 99.995%

EPC CONTRACTS FOR
AIR SEPARATION UNITS
FOR LIN, LOX, LAR & LCO₂
FROM 50 TPD TO 180 TPD



STORAGE AND HANDLING SOLUTIONS
FOR ULTRA HIGH PURITY STORAGE SYSTEMS
TO STORE 99.99995% PURE PRODUCTS



SPECIAL PURPOSE **LPG AND AMMONIA VAPORISERS**



SKID TYPE **LPG FILLING PLANTS**



CONTAINER SKIDS



ISO T50 CONTAINERS

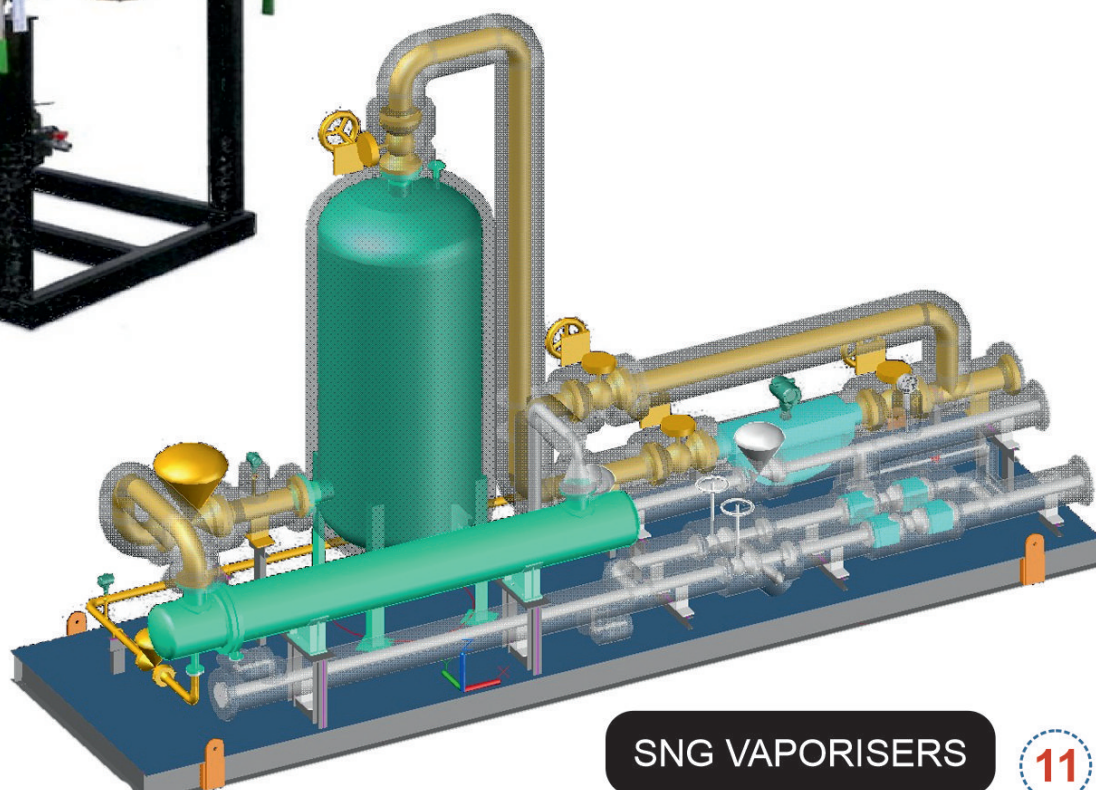


CNG & HYDROGEN
CASCADES





ROAD TANKER **LOADING/UNLOADING SYSTEM**



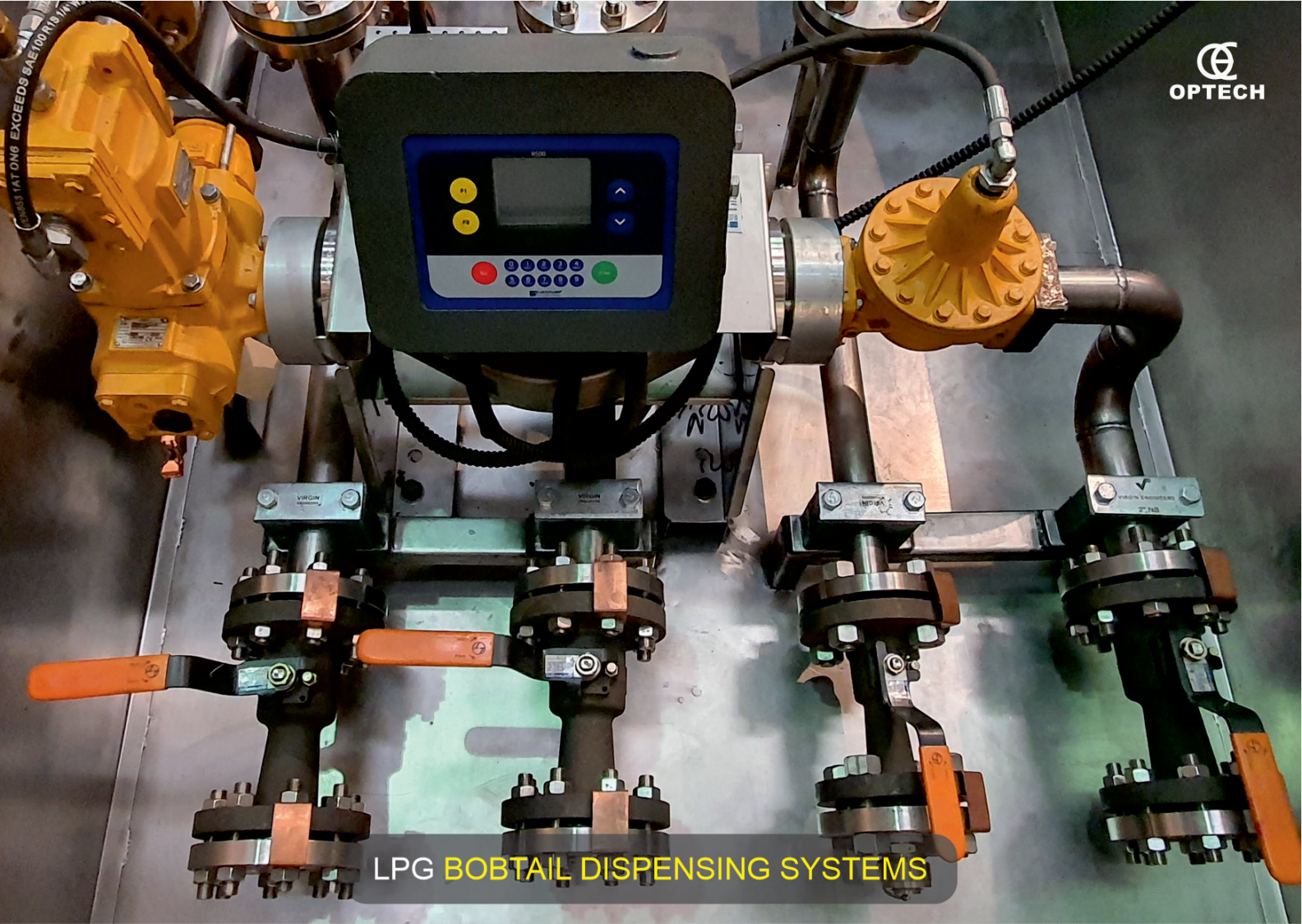
SNG VAPORISERS



DOUBLE AXLE LPG ROAD TANKERS



TRIPLE AXLE LPG ROAD TANKERS



LPG BOBTAIL DISPENSING SYSTEMS

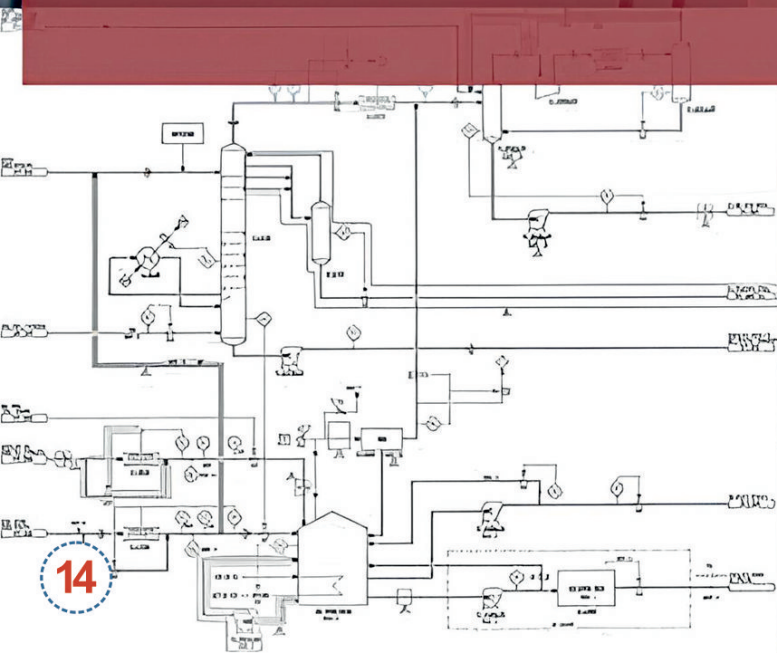


LPG SMALL TANKS

Expertise

Upstream: Oil & Gas Onshore

For two decades, we have been serving hydrocarbon asset owners in all stages of asset development, from feasibility studies through engineering, project execution, delivery and operation of facilities.



We can offer standard solutions which can be deployed on a fast-track basis to accelerate monetization of assets and avoid the expensive and time consuming traditional route of developing the project by FEED and then EPC tender.

▲ Early Production Systems

Early Production Systems are the fastest way to monetize investment with an optimal solution for oil fields. We offer both pre-built and custom-built designs for fast-track delivery. With our vast experience in designing crude oil treatment facilities, we have pre-engineered solutions for a wide range of crude oils, both heavy and light, sour (high sulphur) and sweet (low sulphur). With our ability to design and manufacture most equipment in-house, we can provide optimized facilities quickly.

▲ Gas Plants

Our solutions include standard pre-engineered as well as tailored systems for treating sweet as well as sour gas. We offer plants for recovery of NGL and LPG together with acid gas treatment using Joule-Thomson refrigeration or turbo-expanders, and Claus or biological sulphur recovery units.

▲ Central Production Facilities

We offer complete Central Production Facilities comprising oil, gas and produced water treatment trains as well as required infrastructure, storage, utilities and sophisticated instrumentation. These facilities are generally stick-built but we can also offer modular solutions up to a certain size to reduce site engagement.





OUR COMPANIES



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