



## Storage Tank Engineering Services

---

Land & Marine offers a comprehensive storage tank design and engineering service to clients worldwide for:

- Bulk Fuel Terminals
- Tank Farms and Depots
- Airport Aviation Fuel Systems
- Utility Facilities
- Refineries
- Power Plants

Provided by the experienced team from Land & Marine TankServ

www.[landandmarine.com](http://www.landandmarine.com)

## Tank Engineering Services

With over 40 years of experience in tank engineering, we will undertake the design of storage tanks typically up to the "first flange" and can also offer to design the tank foundations and bund walls if required. Similarly, we will work with you to design and specify all piping, electrical and instrumentation systems associated with large storage tank projects.

Land & Marine has extensive experience and expertise in the design, fabrication, erection and testing of storage tanks and will therefore ensure that the client or tank construction contractor obtains the latest international tank technology as well as cost effective storage tank design, which optimizes internationally available steel plate material and equipment.

## Engineering Design Standards

API 650—Welded Steel Tanks for Oil Storage

BSEN 14015—Specification of Welded Steel Storage Tanks

API 620 – Design and Construction of Large Welded, Low Pressure Storage Tanks

API 653 – Tank Inspection, Repair, Alteration and Reconstruction

API 2000 – Venting Atmospheric & Low Pressure Storage Tanks

BS 2594 – Carbon Steel Welded Horizontal Cylindrical Storage Tanks

BS 2654 – Manufacture of Vertical Steel Welded Non-Refrigerated Storage Tanks with Butt Welded Shells for the Petroleum Industry.

## Engineering Design Resources

We have a long established and well qualified engineering and draughting department and operate a suite of networked computer hardware, that is running Microsoft Windows XP, the latest version of AutoCad and a range of inhouse and proprietary software.

Land & Marine operate to the highest quality, safety and environment standards and is accredited to ISO 9001, ISO 14001 and OHSAS 18001.

## Services Offered

- Feasibility Studies including Front End Engineering Design (FEED)
- Conceptual Design
- Detailed Design and Engineering
- Detailed Fabrication and Construction Drawings
- Procurement and Expediting Services
- Project and Construction Management
- Turnkey (Design & Build) Projects
- Environmental Impact Assessments
- HAZOP Studies

Land & Marine specializes in the engineering design for all your storage needs, including fixed roof tanks (Cone & Dome Roof) as well as External Floating Roof tanks. We can provide real solutions adapted to your current situation and through a detailed analysis of your specific requirements we will ensure that technology and innovation is optimized to provide you with a "value for money" service.



**Land & Marine**

TANKSERV

**Land and Marine Project Engineering Ltd**

Dock Road North, Bromborough,  
Wirral CH62 4LN United Kingdom

T. +44 (0)151 641 5600

F. +44 (0)151 644 9990

E. [company@landandmarine.com](mailto:company@landandmarine.com)

W. [www.landandmarine.com](http://www.landandmarine.com)

For more details on this and other products visit:

[www.landandmarine.com](http://www.landandmarine.com)

### Product & Services Available From TankServ - DOWNLOAD FROM WEBSITE

TS - 1 Mechanical Primary Seal  
 TS - 1L Lightweight Mechanical Primary Seal  
 TS - 5 & TS - 6 Liquid Filled Seal  
 TS - 7 & TS - 9 Foam Filled Seal  
 TS - 14 Foam Filled Seal  
 TS - 16 Servaseal Secondary Seals  
 TS - 16 Servaseal Double Seals  
 TS - 32 Servaseal Secondary Seals

TS - 32 Servaseal Double Seals  
 Guidepole Sleeves & Vapour Leg Socks  
 Internal Floating Covers  
 Geodesic Dome Roof  
 Roof Drain Systems  
 Floating Suction Units  
 Tank Accessories