

LEDBURY WELDING & ENGINEERING LTD

BROCHURE 2022/23



ABOUT US



PROUD TO BE A BRITISH MANUFACTURER

From its roots in domestic oil tanks, Ledbury Welding & Engineering (LWE) has grown into a leading manufacturer of high specification storage tanks for all types of environmentally sensitive wet-stock, such as petroleum, fuel oils and industrial process chemicals. Operating from a purpose built factory in Ledbury, Herefordshire, LWE is a privately owned company which prides itself on the quality of its products and the importance of good working relationships not only with its workforce but also with its suppliers and business partners. As a British company, LWE recognises the importance of local procurement. Steel sheets as well as all other materials are sourced from UK suppliers wherever possible. It is this ethos which underwrites

customer service and the company's continuing success. The aim is consistent performance, from initial enquiry through to the completion and delivery of a finished product - on time and fully compliant with the customers' expectations.



FROM CONCEPT TO INSTALLATION

LWE is a manufacturing engineering company, specialising in the fabrication of sheet metal storage tanks with a capacity of up to 220,000 litres. Production facilities include laser cutting, welding jigs for round tanks, materials handling, pipework and detail parts. The workshops include a shot blasting and spray painting bay, enabling LWE to offer a total capability from design through to finished product. Storage tanks are used for various liquid and wet-stock management requirements. The company's experience covers most applications from water treatment, leachate and waste oil disposal. Traditionally a large proportion of LWE tanks are supplied for commercial logistics and depot fuelling facilities.

LWE also owns patented technology for the construction of above ground petrol storage tanks for use in retail forecourts. Other applications include fuel storage for auxiliary power units and integral belly tanks for emergency power generation plant. It is this experience which differentiates LWE within this market sector. This brochure outlines the company's capability. There are no standard products. All LWE

products are tailored to meet the customers' requirement. In addition to tank manufacture, LWE provides a total engineering capability, from concept to installation. This includes project management, bringing together the specialised disciplines required to deliver a suitable, safe storage solution.



OUR PRODUCTS

LEDBURY PREMIUM & STANDARD

The simplified build standard allows greater scope in pricing for all tanks up to 220,000 litres capacity. The main difference between the Premium and the Standard are the choice of either top suction outlets or gravity feed requirements. Installation of above ground tanks is usually fairly straight forward. All that is required is a suitable plinth and a properly drained hardstanding for vehicles. As a tank supplier, LWE works in collaboration with all the frontline suppliers of pump dispensers and fuel stock management services. The company can provide impartial advice on security and fuel usage monitoring. Alternatively LWE will work with the customer to integrate these services within an existing fuel management infrastructure



LEDBURY SUPREME

The 'Supreme' diesel storage tank features a convex roof designed to shed rainwater. The inner tank and roof are manufactured as separate components. This configuration allows more interstitial space between the bund and the inner tank for better insulation, impact protection and frees additional space for self contained pipe work runs. The roof can be removed to allow access for maintenance and cleaning.

Each design has been optimised to meet different operational requirements. Customers can choose the most cost effective build standard as the basis for a fully customised solution. All Ledbury tanks can be supplied as multi-compartment units enabling multi product dispensing (diesel and gas oil) from a single location. Multi-compartment tanks with automatic cross feeds are often recommended for high capacity/turnover applications.

For biofuels or other more challenging fuel products, tanks can be equipped with temperature controlled fuel conditioning, using filtration and a recirculation pump to ensure that the fuel quality is maintained irrespective of the ambient conditions.

PETROL AND HAZERDOUS SUBSTANCE STORAGE

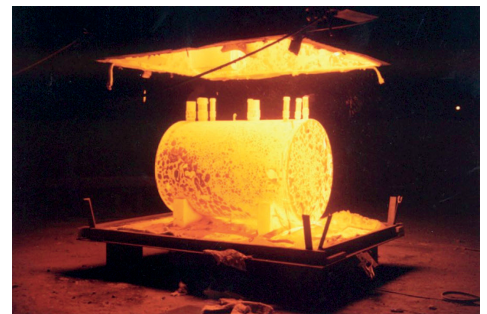


The SuperVault MH is the first Multi-Hazard Rated Insulated and Protected Above Ground Petrol Storage Tank available in the world and it is the first tank to pass the stringent safety requirements of Uniform Fire Code Standard A-II-F-1 (formerly known as 79-7) and Southwest Research Institute Standard 95-03 and 93-01. The multi-hazard rating allows the Supervault MH to be re-certified for use after exposure to a fire, puncture or impact.



MAIN DESIGN FEATURES

- Multi Hazard 4-hour fire rated fully tested double walled tank
- 360° secondary containment tank ensuring 110% capacity
- Lightweight and projectile resistant insulating concrete
- UL 142 steel primary and secondary containment tanks
- Integral supports
- Lightweight construction
- Rectangle or cylindrical options based on size



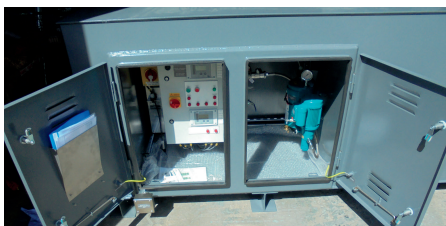
"THE SUPERVAULT'S UNIQUE PERFORMANCE SPECIFICATION OF A FOUR-HOUR FIRE RATING TOGETHER WITH ITS MULTI HAZARD ACCREDITATION, PUTS IT AT THE FOREFRONT OF TANK SAFETY TECHNOLOGY"

STRUCTURAL BASE / BELLY FUEL TANKS

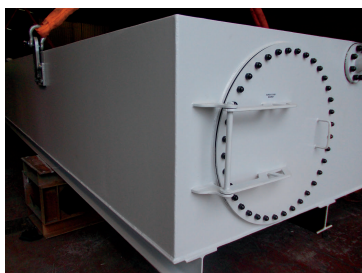
OUR TANKS ARE BUILT TO THE
HIGHEST STANDARDS AND QUALITY
CONTROL



Our tanks are designed to accommodate up to 74 tonne acoustic housings on top of the tank and provide you with a 48HR cycle of product for generator run times. The design of this system is produced to reduce area needed on site and support the weight of the generator and all of its components.



Sub base fuel tanks are built so that the internal structure remains open on the base, so not to form any pockets that the fuel could collect in, which in turn allows the fuel polishing of the tank to achieve its best quality possible. Our sbft also include an equipment cabinet with everything is prewired, installed & tested



Our design can accommodate 45,000 Litres of usable fuel, but we also have options to design to suit the sizes of your requirements of acoustic housing and product quantity required. Our SBFT have a Bunded Secondary containment and are fully compliant with British Standards.

Introducing **VEHESTA**

A CONCEPT BY LEDBURY WELDING

VEHICLE ENERGY STATION OF THE
FUTURE



Ledbury Welding & Engineering Ltd (LWE) are the leading manufacturer of above ground petrol storage tanks in the UK. The SuperVault is their flagship product, with this vessel providing the storage element of their modular filling stations

The format of a standard petrol filling station (PFS) has developed significantly over the years; however, in terms of liquid storage, the reliance of below ground tanks to hold the fuel has largely remained the same

The reasons for, as well as the principle causes of, climate change can be debated at great length. However, the net effect of the need for action to halt its progress is going to have a dramatic effect on the petroleum industry as we know it. The development of vehicles powered with alternative fuels is a direct result of the UK Government's policy to ban the sale of new petrol and diesel powered vehicles by 2030. We believe the VEHESTA provides the flexibility to aid the creation of energy stations, which cover the needs of the alternative fuels sector; as well as the development of new methods of vehicle propulsion. It is essential for the long-term future of our industry firstly, that we survive these changes, and then continue on to prosper, as the motor industry follows government policy by delivering new production models for the mass market.



CONTACT US

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