



# Butyl Products Ltd

*Specialists in the design, manufacture and installation of a range of liquid containment and treatment solutions.*





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## Introduction:

Butyl Products Group are a UK based engineering led company established in 1965, specialising in the design, development, manufacture and installation of a range of liquid containment and treatment solutions.

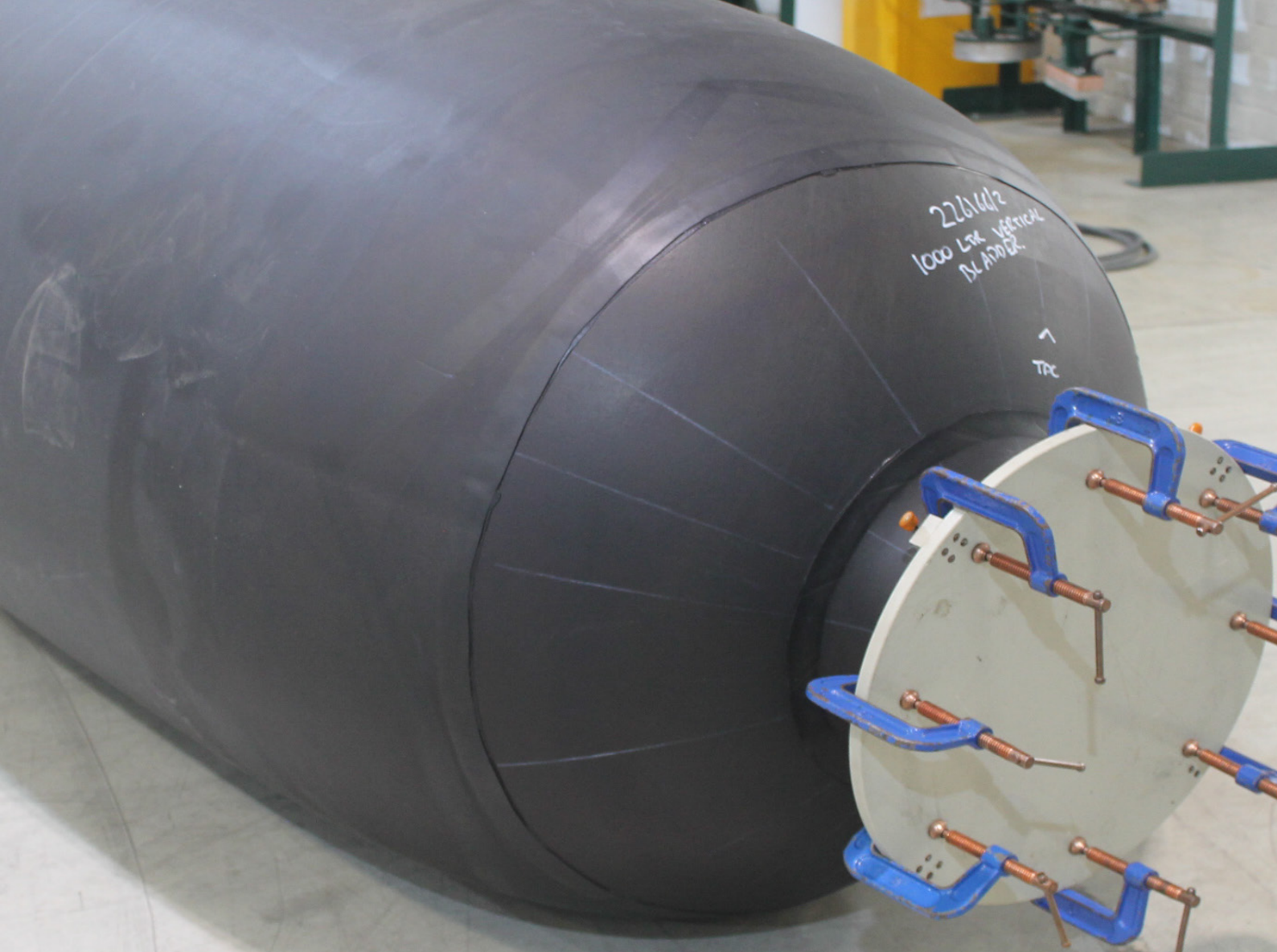
We specialise in bespoke manufacturing to assist our customers with a concept to completion strategy to achieve their goals.

## Key areas:

- Design and Development Engineering
- Bespoke Manufacturing
- Installation Services
- Project Management



**Butyl Products Ltd**  
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## Surge Vessel Bladders

We have been manufacturing liquid and airtight products using flexible membranes for over 50 years.

Our specialist rubber fabrications are used in a wide variety of industries, including Civil Engineering, Medical, Aerospace, Military, Atomic Energy, Marine and Automotive.

### Key features:

- Bespoke manufacturing for new and existing pressure vessels.
- Self supporting design.
- Sizes up to 5m diameter and 15m long.
- Incorporating moulded or fabricated connections.



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## Modular Wastewater System (MWS)

The MWS is a modular system to enable the treatment of sewage and wastewater to prevent downstream contamination and pollution, through unregulated discharge. The waste stream is treated with an efficient, low-energy processes that will destroy all dangerous pathogens. The treated discharge water can be channelled directly into an existing drainage system.

Ideally suited for emergency applications to provide fast response solution to excess wastewater or damage to an existing system.

- Bespoke manufactured to suit the volume of wastewater needing to be treated.
- Reusable system for planned maintenance applications.
- Operational in 7-10 days.
- Retention time required for treatment 8-16 hours.
- Proven to achieve European effluent standards in Germany 2021.

*\*Figures based on Ahr Valley 2021 flooding, Southern Germany.*



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## Steel Water Storage Tanks

We manufacture galvanised steel liquid storage tanks ranging in size from 2,000 - 5,000,000 litre capacity with steel roof options. We offer a vast range of tank lining material choices for drinking water, or wastewater applications.

Our tanks are used for a wide range of applications including storage and treatment of drinking water, wastewater and are widely used in rainwater harvesting systems.



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## Water and Wastewater Bladders

Our flexible water bladder/ pillow tanks are the strong, light and economical answer to instant water storage. The tanks are extremely mobile and can be unrolled and used on any area of flat ground that has been cleared of debris. They are suitable for potable water (WRAS approved) or wastewater and chemical contaminant applications and can be used within CBRN approved systems.

We bespoke manufacture bladders in sizes ranging from 1,000 to 150,000 litres, with an array of material options and connections.



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## Sewage Treatment Linings

We design, manufacture and install sewage treatment linings to provide liquid containment for wastewater.

Our lining solutions work by allowing bacteria, fungi and micro-organisms to breakdown, digest and clean the wastewater to the point where it can be safely discharged.

**We provide solutions for:**

- Filter beds
- Settlement lagoons
- Oxidation ditches
- Aeration ponds
- Reed beds



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## Baffle Curtains

Baffle curtains increase reservoir retention time, assist flow segregation, enhance sediment drop-out, and eliminate surface water skimming and stagnation.

Baffle curtains in drinking water applications must be manufactured from membranes that are approved by the Drinking Water Inspectorate (DWI). We offer DWI approved geomembranes for such applications.

Curtains are manufactured in our UK factory under clean, controlled conditions. All welds are tested in accordance with our ISO 9001 quality management system.



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## Reservoir Roof Linings

Butek Landline, part of the Butyl Products Group work closely with Water Companies and provide reservoir roof waterproofing solutions to both existing and new build constructions. The waterproof integrity of a reservoir is vital in protecting the treated water resource, and contamination of a reservoir can have serious implications.

Using our directly employed and qualified installation teams we use high quality DWI approved geomembranes and protection geotextile to provide a fast, cost effective installation.

Butek Landline are full members of the British Geomembrane Association and have full company accreditation in both containment lining systems and gas membrane installations.



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## Surface Water and Sewage Pumps

We carry a range of stage 5 compliant diesel engine driven pumps in stock. Our pumps are manufactured by our subsidiary company in the UK.

It is also possible for us to supply a full range of petrol, diesel and electric engine driven pumps from 1.5" to 8" with the ability to handle fresh, potable (drinking) water, saltwater, and other liquids as well as solids, sewage, and sludge.

Flow rates range from 340 – 10,000 litres with a head range of 7.5m – 70m. We can provide a custom-built solution to suit a wide range of applications.



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## Attenuation Linings and Shoeboxes

We design, manufacture and install Attenuation Tank linings (also known as 'Shoe Boxes') which are used extensively in the UK for Sustainable Urban Drainage Systems (SUDS).

We also provide supply only options with bespoke tailormade attenuation-shoeboxes to enable self-installation for smaller applications.



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Our team of Engineers are on hand to provide technical information to enable you to choose the correct solution for your application and further advise on the available size, material, fittings and installation options.

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