

Environmental Facilities



Wet infrastructure cover technology

Rubb UK can offer a variety of engineered frame supported tensioned membrane covers and safe storage solutions for water-related projects including water supply, treatment, storage and water management.

Rubb has provided environmental protection structures of many types to prevent airborne dust and odour pollution, to prevent algae growth in water supplies and for many other environmental applications.

Rubb tank covers prevent environmental contamination of stored liquids and Rubb environmental protection structures serve as containments for asbestos and other harmful materials. Rubb structures can be effectively sealed to provide a negative-pressure environment.

Once a site has been cleaned up, the shelter can be used again and again - providing a return on investment that far exceeds that of a traditional structure. Covers can be readily decontaminated to be used again or recycled when appropriate.

Each cover is constructed using a hot dipped galvanised steel structure which is mounted onto the concrete walls of the tanks. The galvanised steel can be provided with an epoxy paint finish to prevent corrosion and the framework is clad with Rubb's high strength PVC coated membrane.

Water treatment companies are using a variety of Rubb buildings at multiple locations around the world. With custom design and proven fabrication any application is possible. Rubb's durable design and corrosion resistance are well suited to this sector.



Northumbrian Water

26.35m span x 67.63m long

Northumbrian Water contacted Rubb Buildings Ltd with a requirement for an environmental protection structure to cover a number of water clarification tanks at Warkworth water treatment works.

The large environmental cover was custom designed to suit the existing layout of the tanks on site.

To accommodate the clarification procedure, a 26.35m x 67.63m BVI type building with a leg height of 3m was constructed.

The building was also designed to take onboard all equipment and piping, which is fed in and around the tanks.

The building cover was constructed using green PVC to prevent algae growth within the tanks by limiting sunlight. This effectively reduced downtime for cleaning and speeded up the clarification process.

To sustain a comfortable environment, low-level mesh vents were constructed around the perimeter of the cover and roof vents were added to reduce the humidity.



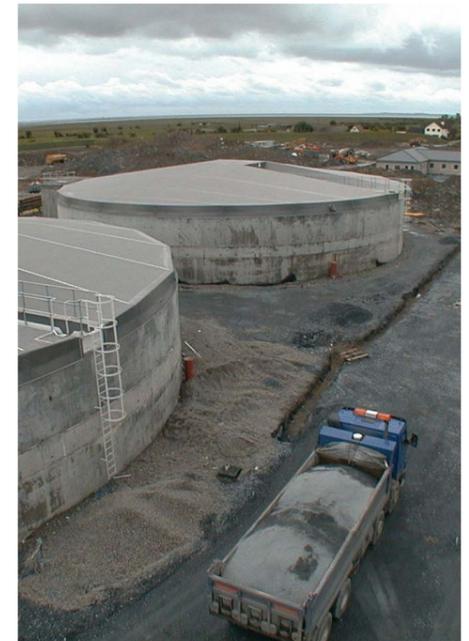
Advantage points

The design and planning flexibility, speed of construction and durable, cost effective operation of Rubb buildings provide wet infrastructure companies the perfect custom covering structures.

- Steel/fabric hybrid designs
- Proven durability
- High quality materials
- Wide range of fabric colours
- Modular design flexibility
- Completely relocatable

Rubb's unrivaled skills and experience in the environmental market enable us to design, fabricate, deliver and install responsibly engineered structures which fully meet our clients' needs.

- Lifiable and moveable
- Superior corrosion protection
- Fire retardant fabric membrane
- Low life cycle cost
- Fast custom design and construction
- First class customer service



Dundalk tank covers

32.4m diameter cover

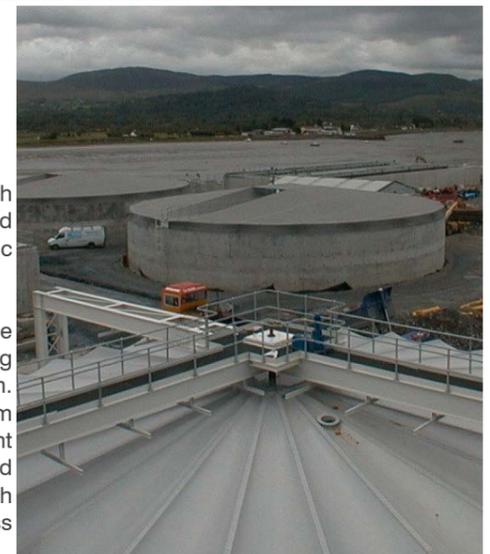
Rubb Buildings Ltd was tasked by Dundalk Sewage Treatment Works to come up three custom designed tank covers with access platforms.

The treatment works centre is situated on the coast of Northern Ireland. As a result the facility faces the challenge of high winds resulting in strong odours drifting to the surrounding built up areas.

Rubb helped solve this problem by supplying Dundalk with three custom covers to suit the existing concrete walled

tanks at 32.4m diameters each. Each cover is constructed using hot dipped galvanised steel and high-tension fabric PVC coated material.

In this case the supporting spans were completely unique to each other, creating a real challenge for the Rubb design team. However the end result was a custom designed site specific sewage treatment tank cover solution. In house steel and fabric workshops provided Rubb with full control over the production process allowing for stringent quality control.





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