PROJECT PROFILE

Gresham, OR

LARGE, TURBINE WELL PUMP MOTOR BUILDING

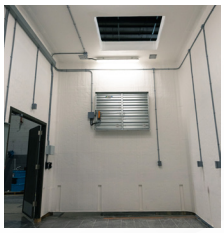
Rockwood Water, a municipal water utility in Gresham, Oregon, required a purpose-built structure to house a large, turbine well pump motor. Consor Engineers, serving as design engineer, engaged Orenco Composites to develop a building that met strict dimensional, durability, and equipment-integration requirements. The structure was specified at 24 feet long × 13 feet wide × 13.5 feet high and included multiple custom features to accommodate mechanical and electrical systems.

Given the overall footprint and design requirements, Orenco Composites proposed a panelized fiber-reinforced polymer (FRP) building. “Panel construction was selected due to the size of the structure,” said Darren Simmie, sales manager. “Both the width and height influenced our decision.”

The final solution was a factory-assembled, panel-constructed building designed for quick installation and long-term performance in a utility environment, highlighting the long-term permanent-infrastructure theme that Orenco Composites believes.

The building was fabricated using molded FRP panels vacuum-infused with high-strength reinforcement fabrics and integral foam cores, providing corrosion resistance, structural rigidity, and reduced maintenance compared to conventional materials.

The collaboration between Rockwood Water, Consor Engineers, and Orenco Composites delivered a durable, custom-engineered building optimized for utility infrastructure operations and lifecycle performance.



PROJECT FEATURES

- Custom dimensions: 24'L × 13'W × 13.5'H
- Dual double-entry doors
- Roof hatch sized for pump motor installation
- Engineered ventilation system
- Pre-wired interior and exterior lighting

DURAFIBER BUILDINGS

- **CLOSED-MOLDED FIBERGLASS CONSTRUCTION**
- **INTEGRAL FOAM-CORE INSULATION IN WALLS AND ROOF**
- **NO WOOD EMBEDDED IN THE STRUCTURE**
- **LIGHTWEIGHT AND CORROSION RESISTANT**

Orenco® COMPOSITES

LEADERS IN FIBERGLASS MANUFACTURING

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