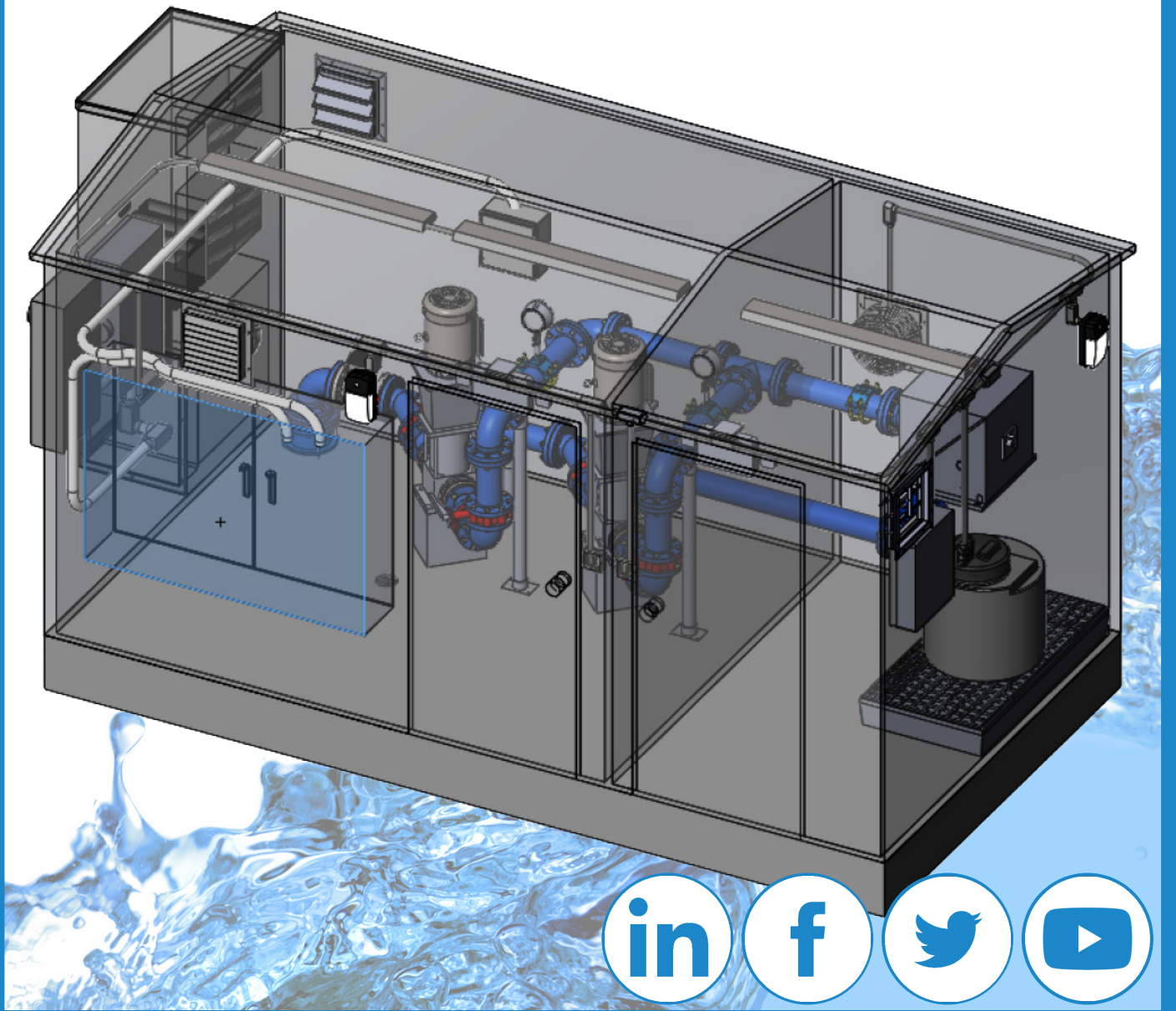


# EXCEL

EXCEL FLUID GROUP, LLC



## PREFABRICATED ENCLOSURE PACKAGE PUMP STATION

# Application and Design

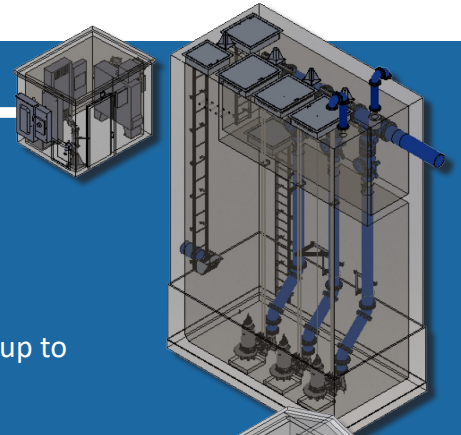
Our prefabricated enclosures arrive fully assembled as we pre-install any components in our warehouse before the building arrives on site. This provides a quicker and easier install process. These buildings are typically adjacent to the wet wells and provide ample walk-in space for easy service and maintenance access.



Long Island, New York Railroad  
Urban Ave.

## Precast Concrete

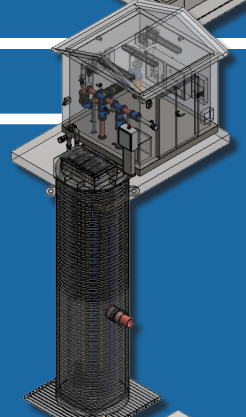
- Standard and custom designs available
- 4 in. thick steel-reinforced concrete walls
- 5 in. thick steel-reinforced concrete roof
- Built to handle hurricane force winds and up to 120 lb/ft<sup>2</sup> of snow



Dayton, Ohio  
Successful Way

## Structural Steel

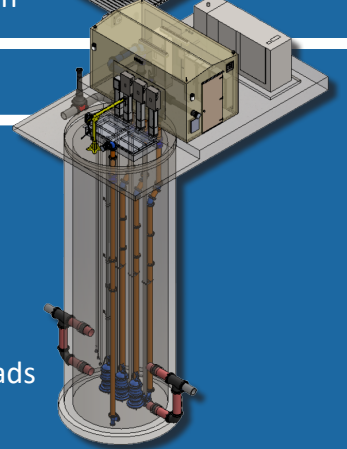
- Available in standard 10 ft x 10 ft, 10 ft x 15 ft, and 10 ft x 20 ft sizing
- Walls and roof trusses made from steel studs
- Industrialized Unit Certified structure with low profile dimensions and design
- Built with galvanized steel base to combat corrosion



Village of Byesville, Ohio  
Power Plant

## Fiberglass

- Constructed from single-piece molded fiberglass reinforced plastic
- Non-corrosive, sound reducing composite material
- Secure equipment protection
- Designed to withstand 130 mph winds and roof loads of 30lbs per square foot



**Our  
Project  
Approach**

**Design**



**Build**



**Maintain**



# Install Process

Excel prefabricated enclosure pump station designs are versatile to fit any stormwater, wastewater, water booster, self-priming or any custom pump station design. We invite you to discuss specific projects that are in initial planning or design stage, and our engineering team will assist you with the following services.

## Precast Concrete

Enclosure Delivered to EFG Warehouse  
 Electrical Installed  
 Factory Tested  
 Wet Well Installed (if applicable)  
 Wet Well Piping Field Installed (if applicable)  
 Flat Top Set  
 Building Delivered and Set

## Structural Steel

Raw Materials Sourced  
 Enclosure Built  
 Mechanical Installed  
 Electrical Installed  
 Factory Tested  
 Wet Well Installed (if applicable)  
 Flat Top Set  
 Building Delivered and Installed

## Fiberglass

Enclosure Delivered to EFG Warehouse  
 Mechanical Installed  
 Electrical Installed  
 Factory Tested  
 Wet Well Installed (if applicable)  
 Flat Top Set  
 Building Delivered and Installed

- Design & Application Assistance
- Budget Proposals
- 3-D Drawings and Renderings
- Budget Proposals
- EPA & PTI Assistance

## Start Up



**4x** Quarterly Plus **BEST VALUE**  
**4x** Quarterly  
**2x** Semi Annual  
**1x** Annual

### Maintenance Plus has you covered with:

- A detailed pump station electronic inspection report
- Clean and check the control panel operations
- A pump down for each pump and record of the flow performance
- And more!

## Common Wastewater Industry Challenges

- Increasing Asset Ownership Cost from Maintenance of Ageing Infrastructure
- Inflated Installation Costs of Traditional Concrete Pump Stations
- Traditional Concrete Stations are Compromised by Hydrogen Sulfide (H<sub>2</sub>S) Corrosion, unless protected by an interior coating that is costly to install and maintain.
- Groundwater Infiltration (I&I) Into Sanitary Sewer System
- Service Hazards of Confined Space Entry and Injury from Electrical Shock

**Contact Us for a Prefabricated Enclosure  
Pump Station Solution**

## Design Criteria for Prefabricated Enclosure Pump Stations

- What is the average daily flow rate in gallons per minute (GPM) into the pump station?
- What is the proposed forcemain size, length to discharge point and construction?
- Is this a constant or variable pressure application? Confirm pressure range.
- What is the grade elevation at the proposed pump station location?
- What is the high point elevation at the proposed forcemain?
- What is the gravity sewer invert pipe elevation?
- Confirm the jobsite electrical service details.
- Advise if emergency power connection or standby power service is required.
- Advise if remote communication system is required.



**800-892-2009 | [sales@excelfluidgroup.com](mailto:sales@excelfluidgroup.com)**

**[excelfluidgroup.com](http://excelfluidgroup.com) | [excelpumpwarehouse.com](http://excelpumpwarehouse.com)**