



INDUSTRIAL
FLOW
SOLUTIONS™

CASE STUDY
OverWatch®

BALTIMORE, MD, USA
Annual Cost Savings: **\$47,100**

OverWatch® Direct In-Line Pumping System solves sewage backup and overflow issues for luxurious harbor-side residence in Baltimore



Problem

A luxurious harbor-side residence in Baltimore, MD, faced persistent and severe issues with its sewage system, exacerbated by the building's location and high-water table.

The existing pump systems were installed in the parking garage due to the high-water table and were prone to frequent **ragging** and **clogging**. They also generated **significant noise** and **unpleasant odors**.

Eleven lift stations, each equipped with retention tanks, often failed to manage the volume of sewage effectively. These tanks would overflow, causing raw sewage to spill into the parking garage where residents parked.

The cleanup process was both difficult and costly due to the garage's ceiling height, door size, and ramp access. The need for extensive sanitation and repainting after each overflow event added to the **financial burden** and **operational disruption**.

The frequent issues caused significant dissatisfaction among residents. The hazardous spills, offensive odors, and disrupted access led to a decline in their quality of living.

The building owners needed a solution to address these persistent problems and improve the safety, hygiene, and satisfaction of the residents.



Solution

The OverWatch® Direct In-Line Pumping System was implemented to address the severe sewage management issues.

By eliminating the wet well, OverWatch® simplified the pumping process. The system directly lifts effluent from the inlet, bypassing the need for a retention tank, which prevents issues associated with wet wells, such as clogging and overflow.

OverWatch® **continuously pumps** incoming sewage, preventing materials from solidifying and forming clogs, ensuring uninterrupted operations and **eliminating the risk of overflow**.

The OverWatch® system operates more quietly than traditional pumps, **reducing noise levels**. Additionally, its design minimizes odors, addressing one of the major complaints and greatly enhancing the overall living environment.

The compact size of the system allows for better utilization of space and provides easier access for maintenance and operations.

By installing the OverWatch® Direct In-Line Pumping System, the building effectively resolved its sewage management issues, reduced maintenance needs, and **enhanced resident satisfaction**. Impressed by the success, the owners replaced all eleven, existing stations with OverWatch®.

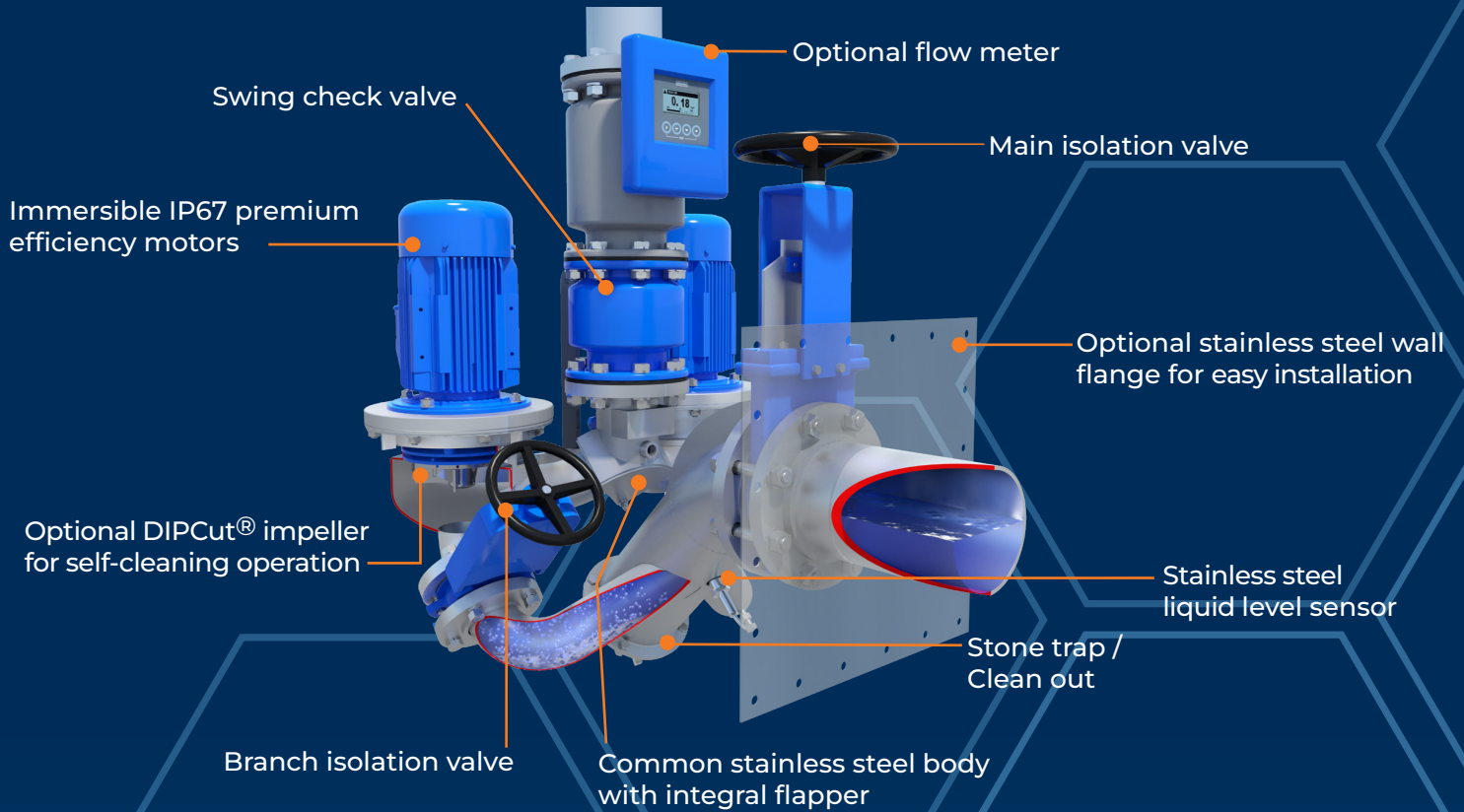
Costs Eliminated per Year: \$47,100

- o Emergency Pump Truck - \$13,500
- o Clog Removal, Restoration & Sanitation - \$33,600



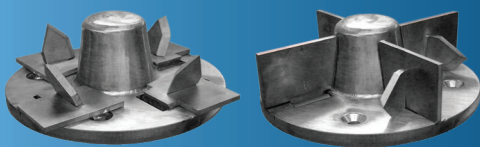
OverWatch[®]

Direct In-Line Pump System



OverWatch[®] Direct In-Line Pump System by Industrial Flow Solutions[™] is a breakthrough technology designed to lift influent from the point of entry, eliminating the wet well. Influent is contained, eliminating odors, and reducing maintenance. The stainless-steel body is designed to withstand the effects of corrosion from harsh materials and solutions, making **OverWatch[®]** an ideal solution for the Municipal, Industrial, or Commercial industries.

STAINLESS STEEL IMPELLER OPTIONS



DIPCut[®]

Shredding

Pumping



VORTEX



HIGH EFFICIENCY



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