



## Success Story

When 67,394 cheering spectators gather in the largest football stadium in France, there was a need for a pump that meets all the design teams needs; the OverWatch™ Direct In-Line Pumping System

### Overview

Since opening in 1937, the Stade Velodrome has been an iconic monument that has witnessed the finest moments in Marseille's sporting history. In preparation to host the UEFA Euro in 2016, the stadium underwent a renovation project to increase capacity and add a roof. The wastewater and rain water infrastructure required modification as the requirements in flow control had changed. The designer maintained an importance of an eco-friendly and efficient building. Their pursuit for the most appropriate urban layout and population density were the guiding principles that led them to selecting an OverWatch™ Direct In-Line Pumping System; an innovative and clean technology with no wet well.

Peak storm water flows of 6657gpm required the largest OverWatch system in the world, an OW501. Another OW151 was designed to manage the wastewater flows of 1277gpm. Since no wet well was needed with the OverWatch™ systems the designers were able to conserve space in the densely populated area and save on construction costs and time. The two pumping systems were installed by Electro Moteur Cura from Vitrolles and is operated by Bouygues ES.

The largest OverWatch™ Direct In-Line Pumping system in the world, supports the water management system at one of France's most historic sports stadiums.

### PROBLEM

- Excessive rain water run off with the new roof design would overwhelm current system
- Desired an eco-friendly and efficient design to eliminate the wet well, improve health and safety
- Population density and limited available real estate limited the use of large water management equipment



### Solution

- No retained volumes eliminates the wet well, requiring less space and construction for installation
- Only one pump was required to manage the change in rain water capacity
- No wet well provides for a healthy and clean operating environment

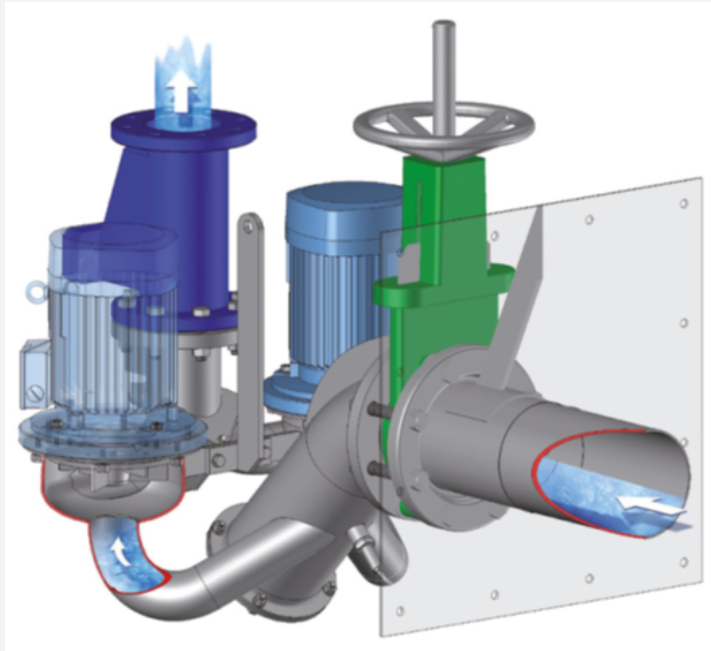
## FEATURES

Immersible IP67 IE3 Motors

Modulated pumping driven by variable speed drives for optimized performance and savings

Optional DIPCut® Shredding impeller for self cleaning operation

Shared stainless steel hydraulic body



Isolation valve for easy maintenance

Stainless Steel wall flange supplied for easy mounting

Optional remote monitoring allows for control anywhere

Stainless Steel level pressure sensor

Stone trap/Clean out

## Eliminating the wet well to maximize safety; minimize maintenance

The OverWatch™ Direct In-line Pumping Technology creates an environment that eliminates wet well maintenance, exposure to dangerous gases and hazards associated with retained effluent, while saving 30% on energy costs and 65% total savings over the life of the pump. Lifting liquid as it arrives removes the opportunity for whip, fats, oils or greases to build up and solidify. The VFD controlled pump allow the system to adjust it's performance real-time; reversing operation to remove clogs. With over 2000 installations globally, OverWatch™ is maximizing safety and minimizing risk by retrofitting current lift stations all over the world.

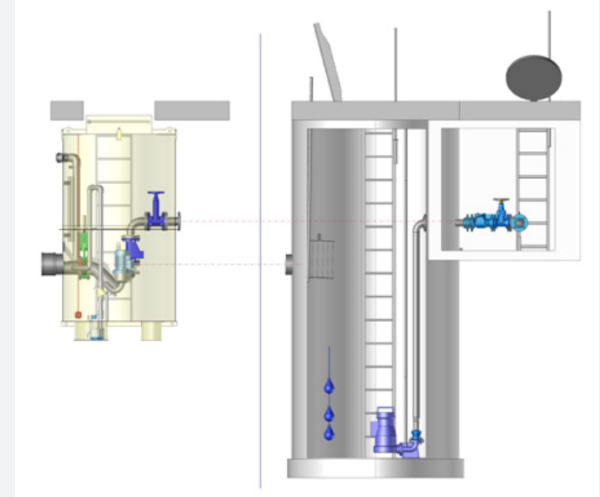
## BENEFITS

- Eliminates the wet well and hazards associated with them
- Constant self monitoring operation allows the system to adapt real-time to the environment, adjusting motor performance to the incoming flow and eliminating potential clogs without human intervention
- Reduced maintenance; no screen or well cleaning; no scheduled site visits.

## APPLICATIONS

- Munciple retrofits or new wet wells
- Residential, commercial or industrial ejector pumps
- In-line pipe booster systems

### Direct In-Line vs. Traditional Installation



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