



RHINOPUMPS

 **OverWatch**[®]
By Industrial Flow Solutions™



THE LAST 4000 YEARS CHANGED EVERYTHING, EXCEPT WET WELLS.

2350 BCE

Proto-Wet Well

(Indus Valley)

Lothal cesspits held wastewater, manually emptied. **Basic sanitation, pure misery.**

1500 BCE: GLASSMAKING BEGINS

300 BCE

Sewer Integration

(Romans)

Cloaca Maxima had tanks, some siphons. **Bigger scale, sludge woes lingered.**

1859: OIL DRILLING REVOLUTION

1900'S

Material Upgrades

(U.S.)

Concrete wet wells, electric pumps. **Sturdier, faster, ragging still hell.**

1908: FORD'S MODEL T DEBUTS

1980'S

Automated Controls

(U.S.)

Level sensors, automation added. **Less oversight, H2S risks remained.**

1990: HUBBLE TELESCOPE LAUNCHED

2000'S

Smart Monitoring

(U.S.)

Remote monitoring & tech allowed real-time data. **Predictive fixes, odors still sucked.**

1600 BCE

Storm water Holding

(Minoans)

Stone sewers with holding tanks used gravity drainage. **Less labor, still filthy.**

753 BCE: FOUNDING OF ROME

1855

Modern Wet Wells

(Chicago)

Chesbrough's sewers used tanks and steam pumps. **Pumps helped, clogs stank.**

1903: WRIGHT BROTHERS' FIRST FLIGHT

1956

Submersible Pumps

(Flygt)

Flygt's C-pump sat in wet wells. **Easier installs, clogs persisted.**

1985: FIRST MOBILE PHONE CALL

1990'S

Corrosion Resistance

(U.S.)

Fiberglass and polymer coatings fought H2S gas risks. **Safer setup, downtime lingered.**

2008: BITCOIN INTRODUCED

2021

OverWatch Revolution

(Rhino Pumps Installs)

IFS introduced OverWatch, slashing clogs, odors, and downtime. **Crews finally happy 4,371 years later!**

OverWatch® by Rhino Pumps

PUMP SMARTER, WORK SAFER!

OverWatch® introduces a new way to manage wastewater **without wet wells**. By eliminating confined space entry and reducing equipment downtime, it delivers less hassle for your operators and **greater safety for your entire team**.



Scan the QR code to see OverWatch® in action.





OverWatch
*IS A DIRECT
IN-LINE PUMP
SYSTEM THAT...*



PASSES WIPES & RAGS **EASILY.**



USES SMART TECH TO **CLEAR BLOCKAGES.**



ENDS WET PIT
CLEANING.



CITES EMERGENCY
REPAIRS & **H2S GAS
DANGERS.**



STOPS CLOGS WITH A
DRY INLINE DESIGN.



FREES YOUR CREW
FROM REPAIRS &
BOOSTS MORALE.



RHINOPUMPS

*IS AN ALL-IN-ONE LOCAL
SOLUTION UNDER ONE ROOF*



**GENERAL
CONTRACTORS**



**PUMP
EXPERTS**



**ELECTRICIANS
& PLUMBERS**



ENGINEERS



**SKILLED
TRADESMEN**

INDUSTRIAL

FOOD, BEVERAGE & PHARMACEUTICAL PROCESSING

Stainless Steel body designed to withstand the effects of corrosion from harsh materials & solutions.

- High temperature wash-down / Clean in Place (CIP)
- Fats, Oils, Greases (F.O.G.)
- Solids handling
- Acidic and caustic processing

MUNICIPAL

LIFT STATIONS & WASTEWATER TREATMENT FACILITIES

Breakthrough technology designed to lift influent at the point of entry, eliminating the wet well.

- Sewage & solids handling
- Storm water management
- Wastewater
- Lift / Pump stations

COMMERCIAL

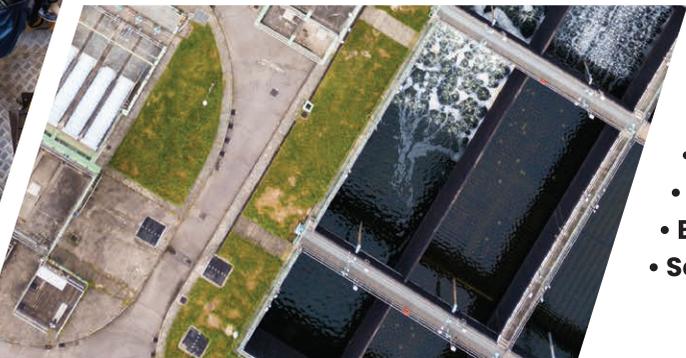
HOTELS, HOSPITALS, UNIVERSITIES & RESIDENTIAL COMPLEXES

Effluent is contained, eliminating odors & reducing maintenance.

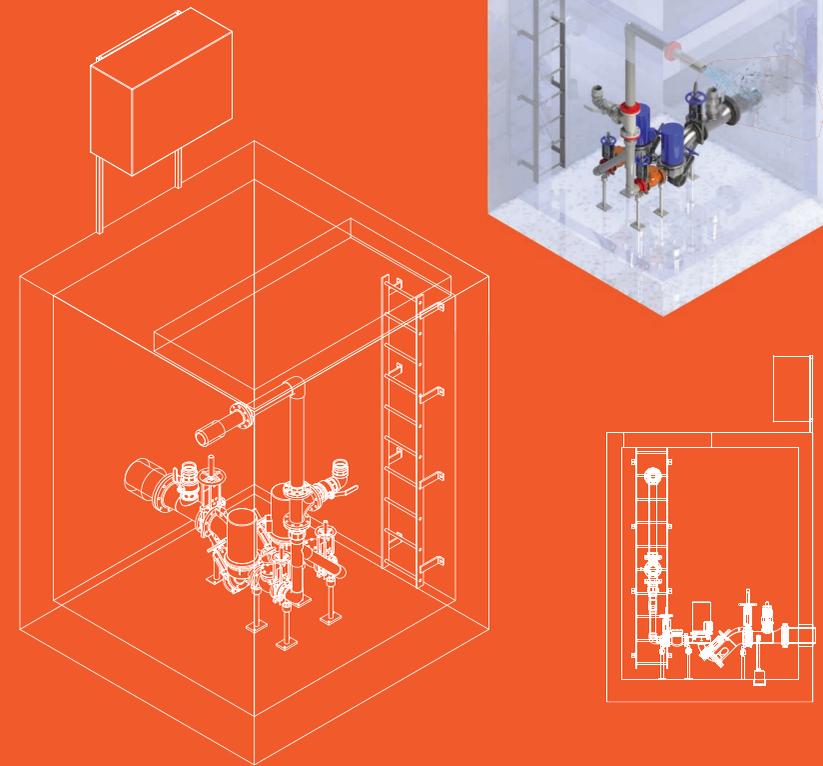
- Wastewater
- Storm water management
- Boiler condensate handling
- Solids handling



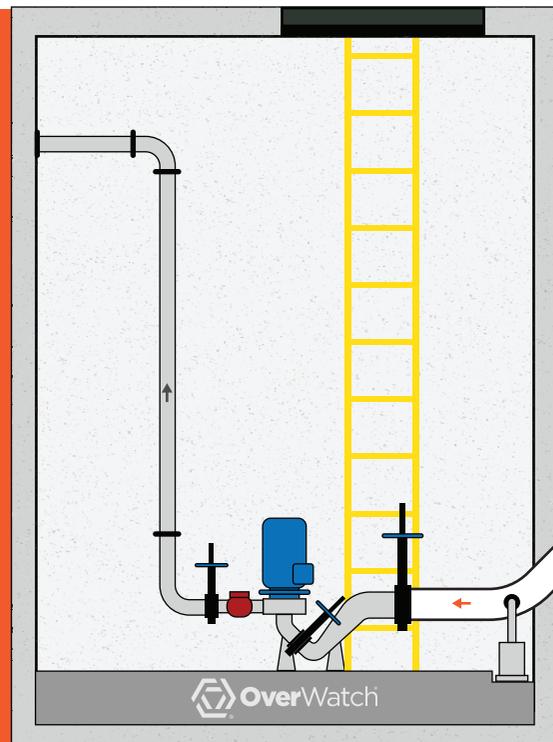
DITCH THE WET WELL



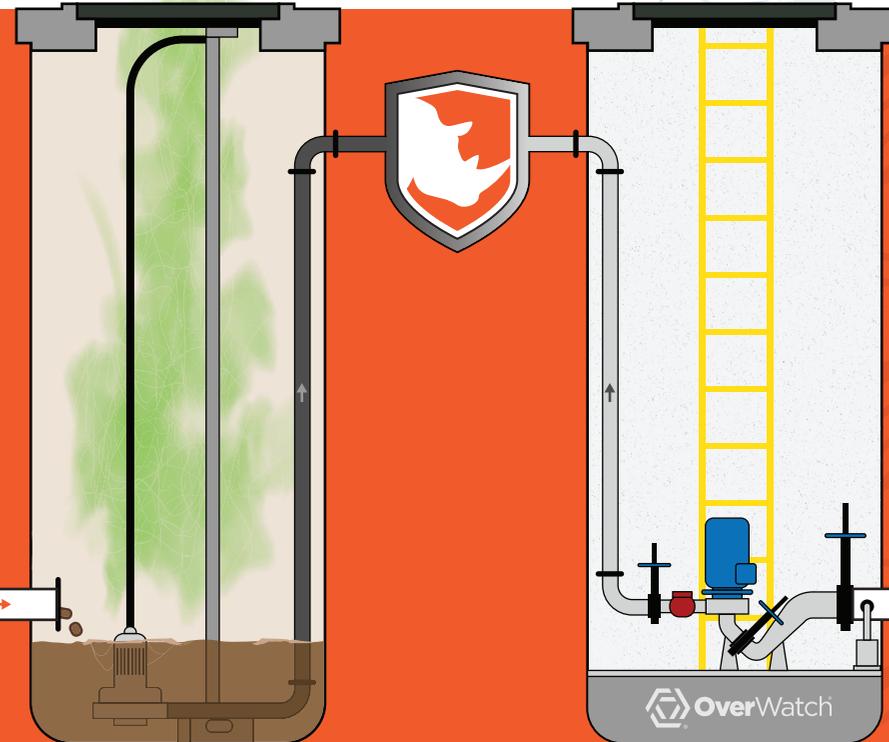
**ANY SITE.
ANY CONDITION.
ANY INSTALL.**



NEW INSTALL



WET WELL CONVERSION





NOT JUST PUMPS

A TOTAL SOLUTION



PASS RAGS



STOP CLOGS

STAINLESS STEEL IMPELLER OPTIONS

DIPCUT™

- Pumping & Shredding
- Consume less energy
- Does not effect hydraulic efficiency



SHREDDING



PUMPING



HIGH EFFECIENCY

- Enclosed design, up to 85% efficiency
- Ideal for clean fluids, handles 1,500 GPM
- Saves 20% energy over vortex



VORTEX

- Whirlpool effect keeps solids away.
- Handles solids up to inlet diameter.
- 50% hydraulic efficiency, reduces wear by 40%.
- Cuts clogging by 60% for stringy solids.



IMMERSIBLE MOTORS
IP67 TEFC (STANDARD)



CONTROL PANEL
MULTIPLE MOUNTING OPTIONS

MAIN ISOLATION VALVE

**STAINLESS STEEL
LEVEL SENSOR &
HYDROLIC BODY**



DIP CUT IMPELLER
FOR SELF CLEANING OPERATION (OPTIONAL)



TRAP CLEAN-OUT



WHAT HAPPENS IF THE LEVEL SENSOR FAILS?

If the level sensor stops working, the controller switches the main pump to a set speed to keep pumping. It also shows an alarm and can send a warning through the network to let someone know.



WHAT HAPPENS IF ONE MOTOR STOPS WORKING?

If a motor stops working and the system can't fix it automatically, the controller sends the flow to the other pump. You can remove the broken motor without stopping the system by closing the branch valves.



WHAT HAPPENS TO LARGE DEBRIS?

Large debris gets caught in the stone trap at the back of the housing. This trap lets heavy debris drop out of the flow, and you can remove it by hand through the service hatch. If the network often has stones or gravel, adding a trap in the upstream inspection chamber can help.



WHAT HAPPENS IF THE SYSTEM LOSES POWER?

When the system loses power, it's the same as with the other system... **Pumping stops!**
(For critical networks, an automatic startup generator is recommended.)



HOW DOES THE SYSTEM KEEP PIPES CLEAR?

Variable frequency controllers adjust the pump speed to match the needed flow. If there's a blockage, the motor speeds up to clear it. The system can be fine-tuned to the right flow range to prevent solids from building up.



HOW CAN THE SYSTEM BE CUSTOMIZED?

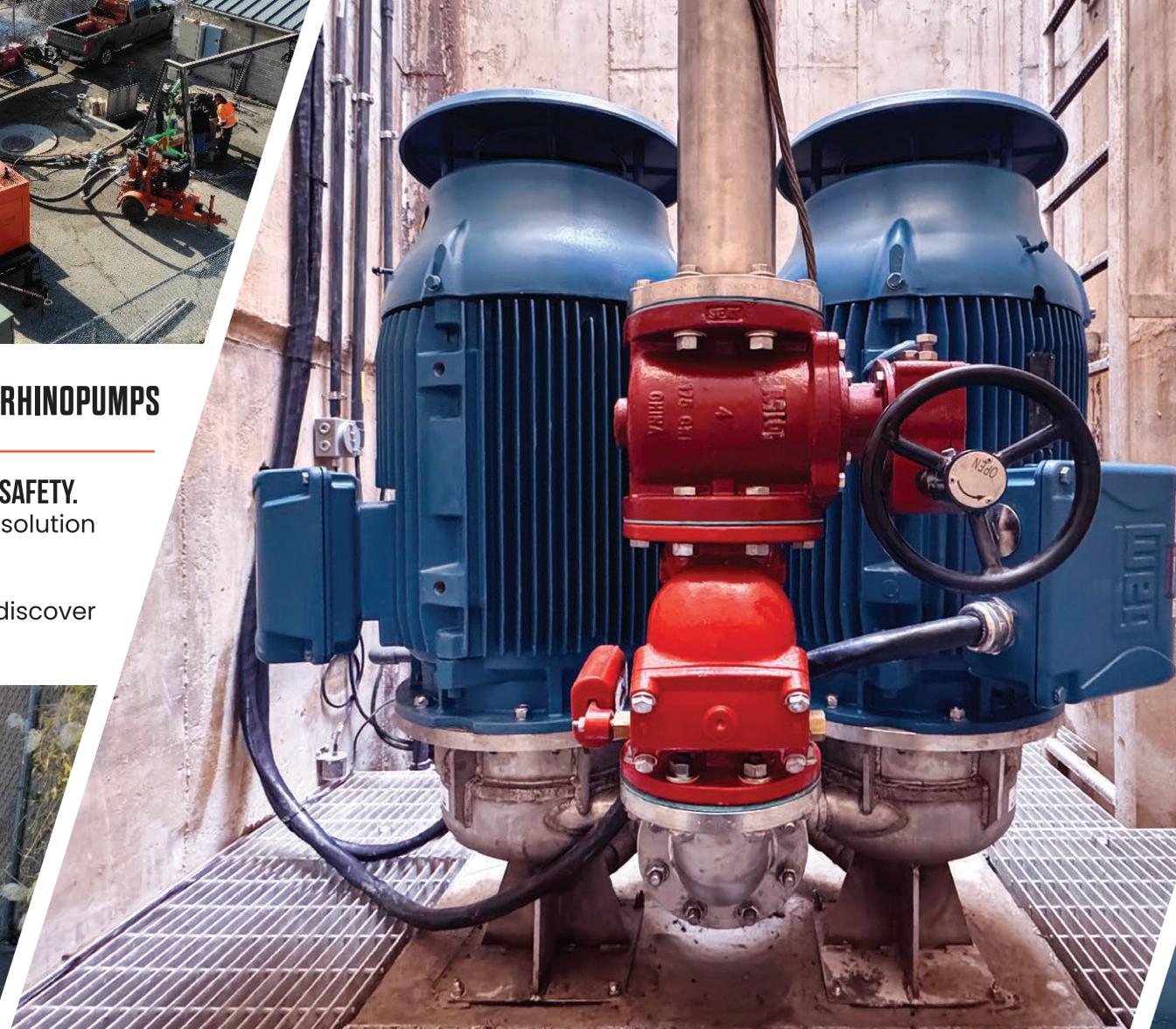
Rhino Pumps designs the system to fit your specific wastewater needs. They customize the pump package with the right motors, controls, and equipment ready for installation. This ensures the system works efficiently for your application.



 **OverWatch** +  **RHINOPUMPS**

NO WET WELLS. LESS HASSLE. MORE SAFETY.
OverWatch™ is the wastewater solution
your crew deserves.

Contact Rhino Pumps today and discover
a better way to pump.



 **RHINOPUMPS**



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