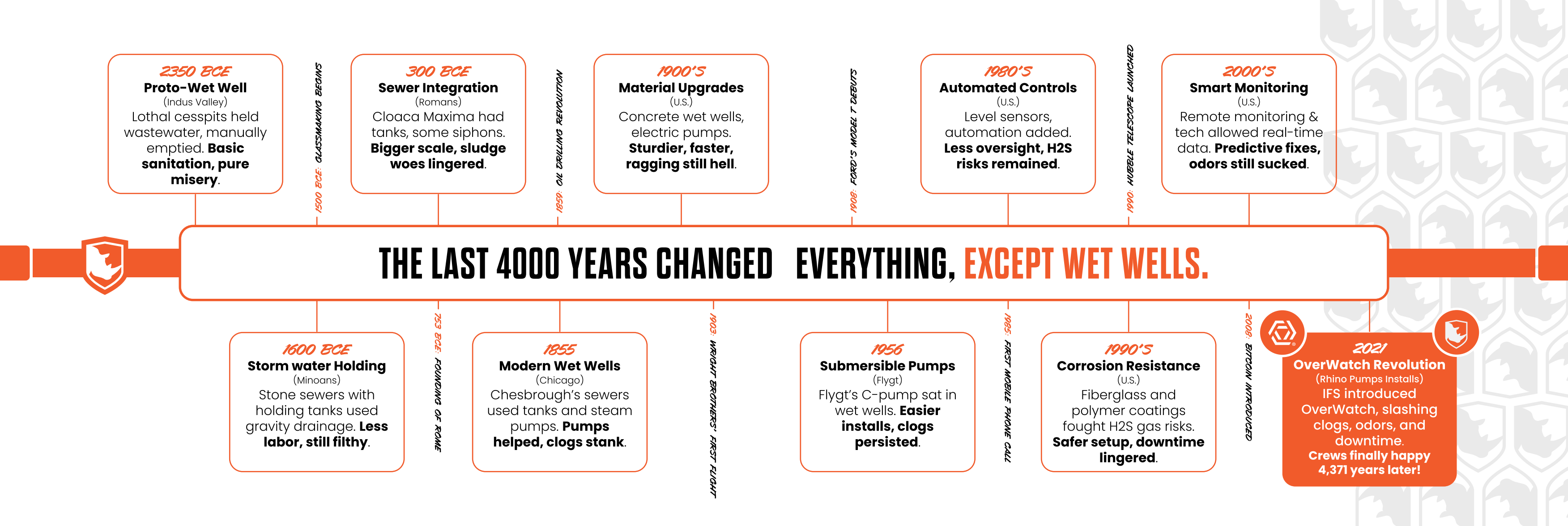




# RHINOPUMPS



**OverWatch®**  
By Industrial Flow Solutions™



# 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.

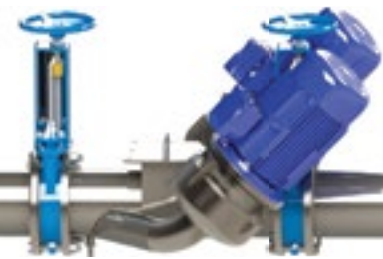


FREES YOUR CREW  
FROM REPAIRS &  
**BOOSTS MORALE.**



**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





# PASS RAGS

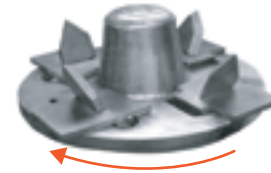


# STOP CLOGS

## STAINLESS STEEL IMPELLER OPTIONS

### DIPCUT™

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



SHREDDING



PUMPING



### 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.



### HIGH EFFECENCY

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







# NOT JUST PUMPS

# A TOTAL SOLUTION





**IMMERSIBLE MOTORS**  
IP67 TEFC (STANDARD)

**CONTROL PANEL**  
REMOTE ACCESS AVAILABLE

**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?

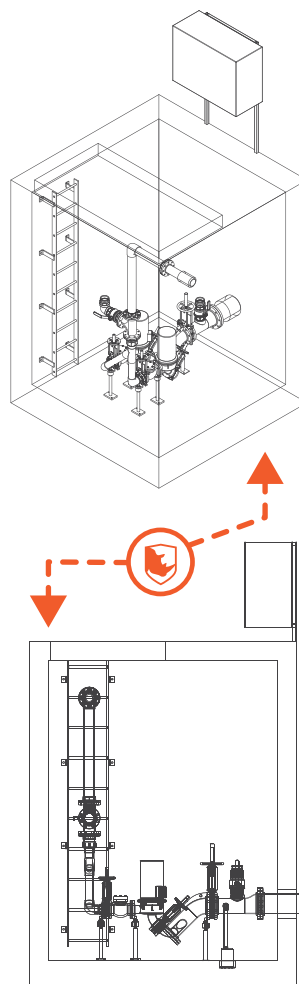
If a motor stops working and the system can't fix it automatically, the controller sends the flow to the other pump. You can remove the broken motor without stopping the system by closing the branch valves.

Replacing the motor takes just minutes, and a cover plate comes with the system to seal the motor spot during repairs, keeping the area safe and clean.

## WHAT HAPPENS TO LARGE DEBRIS FROM A GRAVITY NETWORK?

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 OF MATERIAL BUILDUP?

The system needs a minimum speed of 0.75 m/s (2.5 ft/sec) to flush material out of the pipes. 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 FOR DIFFERENT WASTEWATER NEEDS?

**Rhino Pumps** designs the system to fit your specific wastewater needs. They customize the pump package with the right motors, controls, and equipment, all built into a ready-to-use skid for easy 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**





## **Utah**

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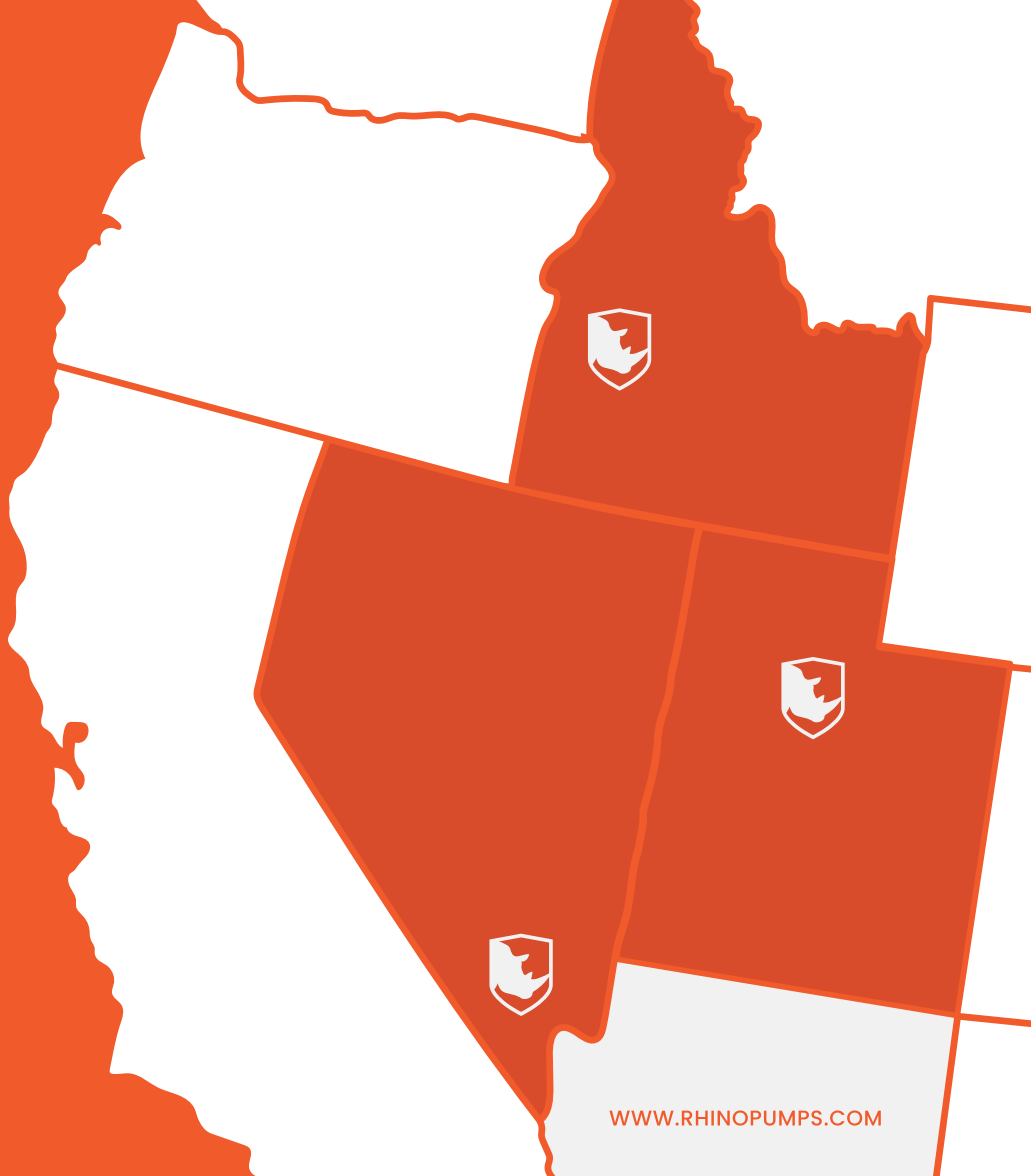
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