

DEWENTM

Reliable UPS Solutions for Water & Wastewater Infrastructure



WIMES 3.07 | BS EN 62040 | CE | IP54

**MARKETS
AND
INDUSTRIES**

Power protection for pumping
stations, process skids, SCADA
systems, and harsh outdoor
sites

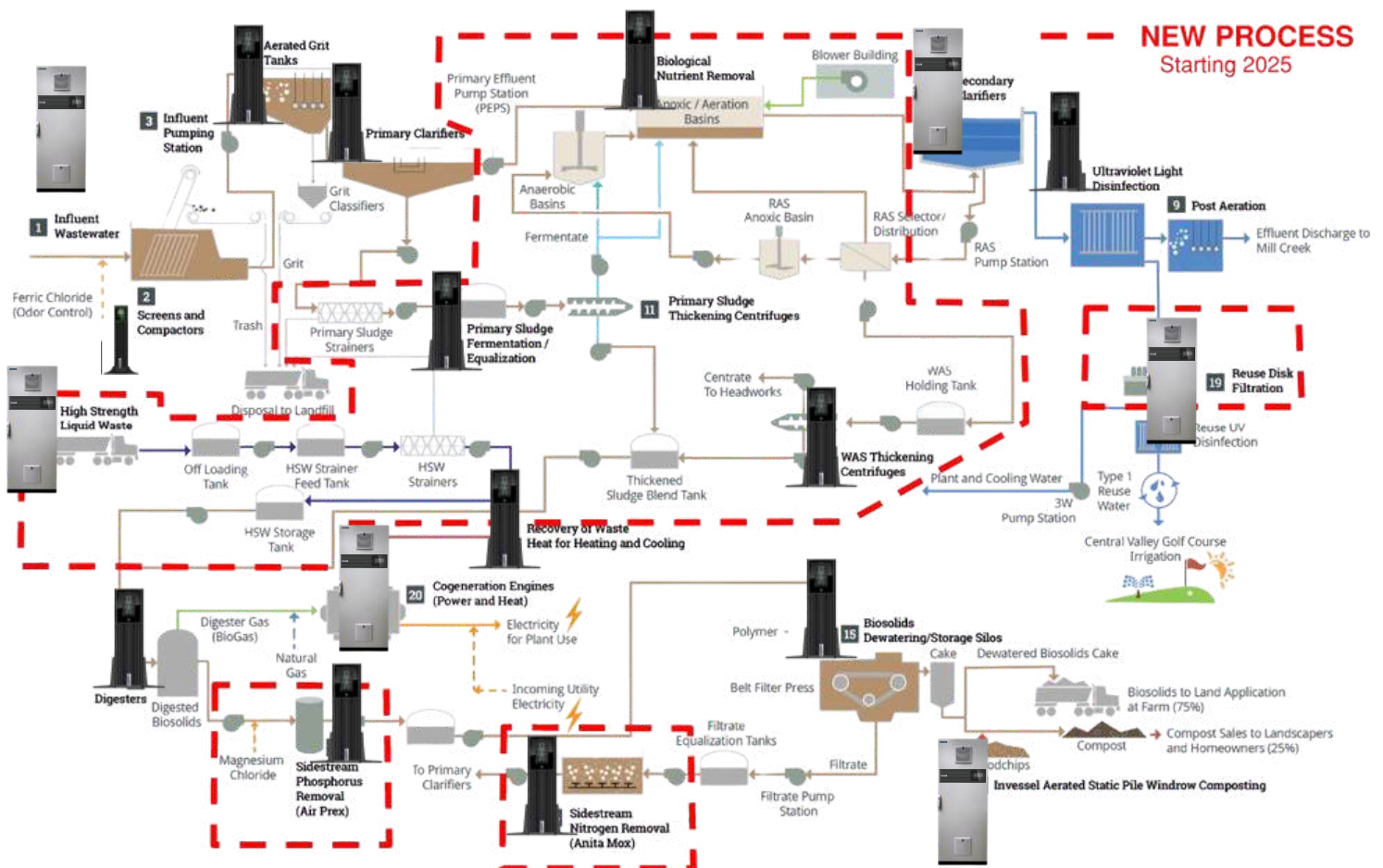
DEWEN™

UPS Portfolio for the Water & Wastewater Sector Introduction

DEWEN® is a British brand specializing in advanced uninterruptible power supply (UPS) solutions. Our portfolio serves mission-critical industries with rugged, reliable, and compliant systems. For the water and wastewater market, DEWEN® offers a tailored family of UPS systems – IntelliSolo™, IntelliHybrid™, and BlueShield™ – engineered to meet the harshest operational conditions.

UPS Applications in Water & Wastewater Infrastructure

- Raw-water intake and lift stations
- Filtration and sedimentation units
- Calcite dosing and pH adjustment
- Reverse Osmosis (RO) and desalination skids
- Chemical dosing and chlorination
- Product water storage and distribution pumps
- SCADA, telemetry, and remote monitoring systems
- Control rooms and IT racks





UPS Portfolio for the Water & Wastewater Sector

IntelliSolo™ Series (1 – 10 kVA)

Compact single-phase UPS designed for IT rooms, SCADA panels, and control equipment. Efficiency up to 95% (online) and 98% (eco mode). Supports VRLA and Lithium-ion batteries. Available as rack/tower convertible for integration inside IT racks as complete UPS systems.

IntelliHybrid™ Series (10 – 20 kVA)

Three-phase input/single-phase output UPS designed for medium load protection. Ideal for dosing pumps, filtration skids, and automation equipment. High energy efficiency with modular runtime options. IoT-ready for remote monitoring.

BlueShield™ Series (5 – 100 kVA, IP54)

WIMES 3.07 compliant UPS engineered for harsh and corrosive environments. Designed with IP54-rated steel enclosures, optional integrated air conditioning, and support for VRLA, NiCd, or Lithium-ion batteries. BlueShield protects pumping stations, RO plants, and outdoor installations.

Feature / Series	IntelliSolo™ (1–10 kVA)	IntelliHybrid™ (10–20 kVA)	BlueShield™ (5–100 kVA, IP54)
Application	IT racks, SCADA, control panels	Process skids, dosing pumps, automation	Pumping stations, RO plants, outdoor harsh sites
Power Range	1 – 10 kVA (1ph)	10 – 20 kVA (3ph in / 1ph out)	5 – 100 kVA (3ph)
Form Factor	Rack/Tower convertible	Rack/Tower convertible	IP54 industrial cabinet with sealed airflow
Efficiency	Up to 95% online / 98% eco mode	Up to 96%	Up to 96% (note: designed for harsh environments)
Batteries	VRLA / Lithium-ion	VRLA / Lithium-ion	VRLA / NiCd / Lithium-ion
Cooling	Forced air	Forced air	Natural ventilation + optional air conditioning
Connectivity	IoT-enabled, SNMP, Modbus	IoT-enabled, SNMP, Modbus	IoT-enabled, SNMP, Modbus*
Compliance	CE, BS EN 62040	CE, BS EN 62040	WIMES 3.07, CE, BS EN 62040, IP54
Installation Areas	Indoors, control rooms, IT racks	Indoors / technical rooms	Outdoor kiosks, substations, corrosive or dusty areas

*IoT enabled in BlueShield, up to 60KVA



UPS Portfolio for the Water & Wastewater Sector

Case Study: Corrosive Environment Protection

At a Gulf-region wastewater site, repeated UPS failures were traced to hydrogen sulfide (H₂S) gas corroding internal components of IP20-rated cabinets. Failures included terminal corrosion, UPS controller damage, and shutdowns.

DEWEN® deployed a custom BlueShield™ UPS with IP54-rated sealed pathways, IoT diagnostics, and integrated cooling. The system now runs with full reliability, engineered for 10+ years of service.





UPS Portfolio for the Water & Wastewater Sector

Compliance & Standards

- WIMES 3.07 Compliant
- CE Marked
- BS EN 62040-1/2/3 Certified
- BS EN 60529 (IP54)
- Temperature range: -20 °C to +50 °C, up to 95% RH

EN UK
CA CE

WIMES 3.07 BS

Pre-Engineered IT Rack UPS Solutions

DEWEN® delivers IntelliSolo™ and IntelliHybrid™ UPS inside fully integrated IT racks. These pre-engineered solutions include UPS, input/output distribution, monitoring modules, cabling, and cooling – factory assembled and tested for rapid site deployment.





UPS Portfolio for the Water & Wastewater Sector

Services & Support

- Application study, sizing, and selectivity
- Mechanical and electrical design support
- Factory Acceptance Testing (FAT) & Site Acceptance Testing (SAT)
- Training for operators and engineers
- Spares and preventive maintenance contracts

Contact Our Team

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DEWEN – OEM-proven UPS technology, engineered for the toughest water & wastewater environments.