



TOTAL SPECIALIST MAINTENANCE

**SPECIALIST REPAIR,
PROTECTION & REFURBISHMENT
FOR THE WATER SECTOR**

www.totalsm.co.uk | info@totalsm.co.uk | 0115 7788661



TRUSTED EXPERTISE FOR CLEAN WATER AND RECYCLED WATER INFRASTRUCTURE



Total Specialist Maintenance (TSM) delivers integrated repair, protection, and refurbishment solutions for critical water infrastructure across the UK.

Working across both clean water and recycled water environments, our multi-disciplined teams specialise in structural repair, waterproofing, chemical-resistant systems, trenchless rehabilitation, and ground stabilisation. We help asset owners extend operational life, maintain performance, and minimise disruption to essential services.

WE OPERATE WITH TWO DEDICATED DIVISIONS:

■ **CLEAN WATER TEAM**

Focused on potable water assets and regulatory compliance

■ **RECYCLED WATER TEAM**

Specialists in aggressive, high-wear environments

This structure ensures every project benefits from targeted expertise, appropriate materials, and sector-specific knowledge.

DELIVERING MEASURABLE OUTCOMES

Our solutions are designed to deliver long-term value and operational resilience:

- Reduced maintenance frequency and lifecycle costs
- Improved asset reliability and performance
- Enhanced compliance with regulatory standards
- Protection of water quality and environmental safety
- Increased storage and processing efficiency

WHY CHOOSE TSM?

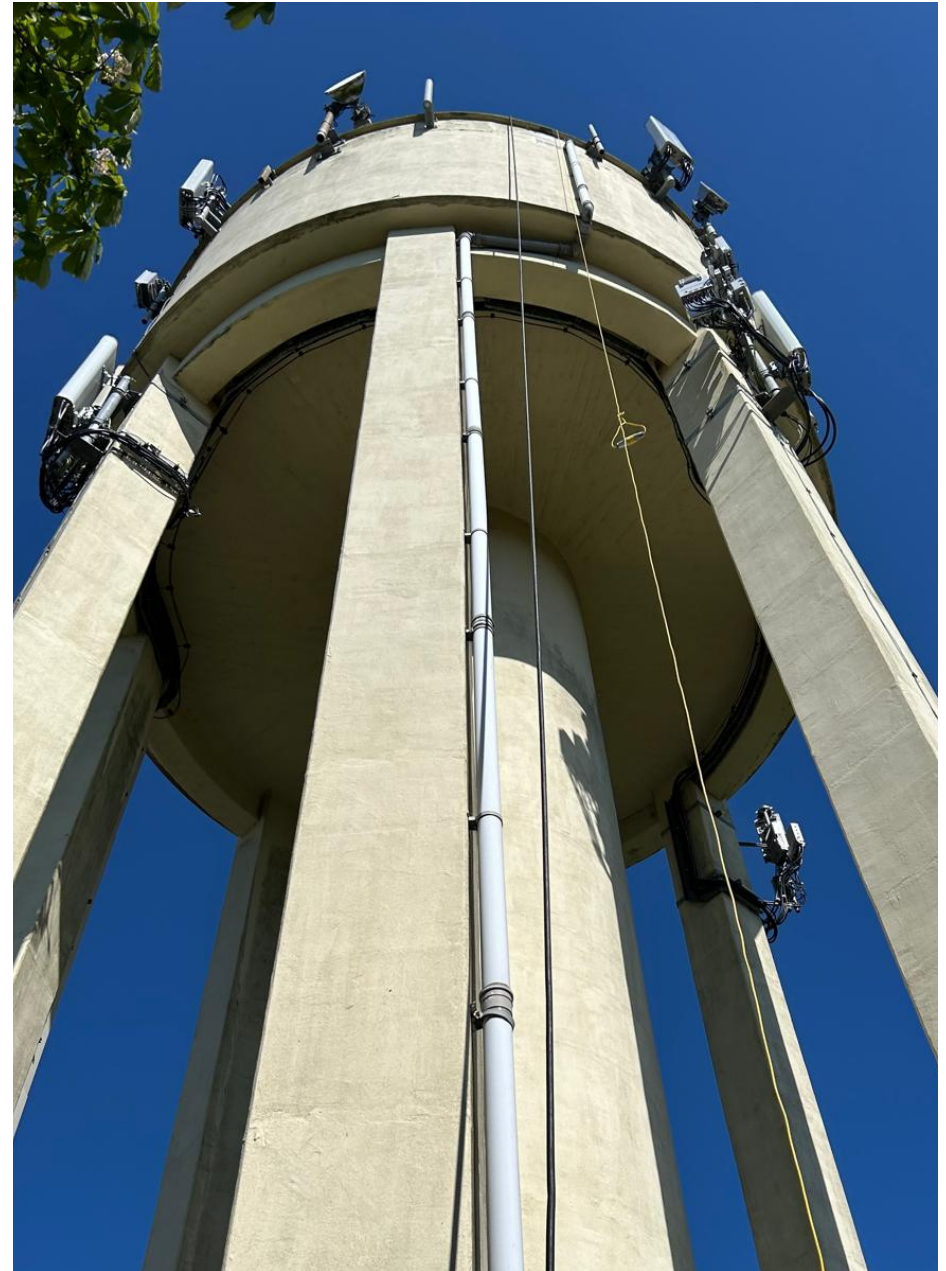
- Specialist expertise across clean and wastewater infrastructure
- Delivery aligned with DWI, DWQR, WRAS, WRc, WIMES, Regulation 31 and BS 8102 standards
- Confined-space, rescue-trained & water-hygiene-certified teams
- Full lifecycle support: assessment, design, installation & testing
- Minimal disruption through fast-cure & trenchless technologies
- Durable, long-life solutions that safeguard water quality and asset integrity



CLEAN WATER INFRASTRUCTURE REFURBISHMENT

TSM provides comprehensive refurbishment solutions for potable water assets, ensuring structural integrity, watertightness, and compliance with stringent regulatory standards. We focus on preventing deterioration early to maintain hygiene and extend asset life.

We address deterioration at its source, preventing minor defects from developing into operational, hygiene, or structural risks. By using DWI-approved and Regulation 31-compliant systems, we help safeguard water quality while extending asset life by up to 20 years in many cases.





CONCRETE REPAIR

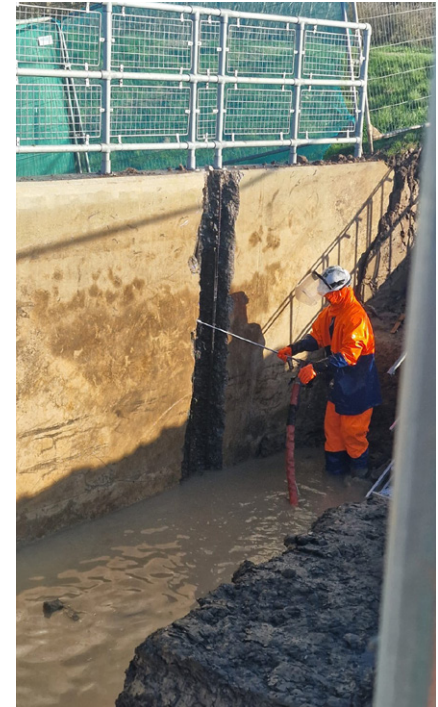
TSM's concrete repair services restore structural integrity and halt deterioration in potable water assets. Our systems are designed to deliver long-term performance while minimising disruption to essential water infrastructure.

SERVICES

- Concrete condition surveys
- Reinforcement exposure, cleaning, and reinstatement
- Application of hand-applied, flowable, and spray repair mortars
- Concrete re-profiling and surface reinstatement
- Structural crack repair using resin and epoxy injection systems

AREAS OF APPLICATION

- Access hatches and upstands
- Potable water reservoirs
- Clean water tanks
- Water towers and elevated structures
- Balancing and storage tanks



BENEFITS

- Restores structural integrity
- Prevents ongoing deterioration
- Minimises operational disruption
- Extends asset lifespan

WATERPROOFING, COATINGS AND REFURBISHMENT

TSM installs advanced waterproofing and coating systems designed to protect potable water structures from leakage, ingress, and contamination. Our solutions ensure long-term watertight performance and regulatory compliance.

SERVICES:

- Concrete condition surveys
- Leak-sealing resin injection systems (PU, gel, elastomeric)
- Crack and movement joint sealing solutions
- Hypalon joint bandage installation
- DWI approved internal protective coatings
- External protective and anti-carbonation coatings
- Roof waterproofing and refurbishment systems



AREAS OF APPLICATION

- Reservoir roofs and covers
- Expansion and movement joints
- Access hatches and upstands
- Water-bearing cracks

BENEFITS

- Improved water tightness and hygiene
- Reduced water loss
- Long-term protection against ingress
- Compliance with potable water regulations

RECYCLED WATER INFRASTRUCTURE REFURBISHMENT

TSM delivers engineered refurbishment solutions for recycled water assets operating in highly aggressive environments. Our systems are designed to withstand chemical attack, abrasion, and biological corrosion while improving long-term performance. Recycled water environments present severe challenges, including chemical attack, abrasion, and hydrogen sulphide (H_2S) exposure.





CONCRETE REMOVAL & STRUCTURAL REPAIR

TSM provides precise concrete removal and repair solutions that restore structural integrity and prepare recycled water assets for long-term protection systems. Our hydro demolition techniques ensure controlled, damage-free substrate preparation.

SERVICES

- Concrete condition surveys
- Hydro demolition for selective concrete removal
- Concrete repair and reinstatement
- Surface preparation for coatings and linings
- Structural remediation of degraded assets

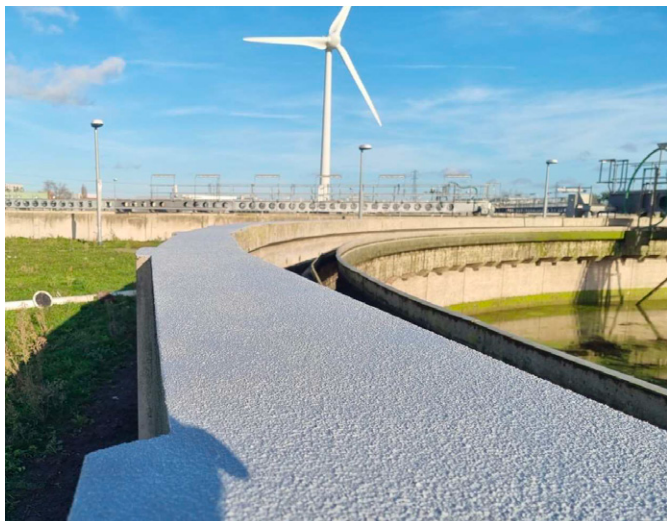


AREAS OF APPLICATION

- Digester tanks
- Wet wells
- Channels and containment structures
- Heavily deteriorated concrete assets

BENEFITS

- Protects structural integrity
- Improves bonding for new systems
- Reduces risk of further damage
- Enables high-quality refurbishment



PROTECTIVE LININGS & COATINGS

TSM installs high-performance protective lining systems designed to resist chemical, abrasion, and biological attack in recycled water environments. These systems provide longterm durability and improved operational hygiene.

SERVICES

- Epoxy, polyurea, and cementitious lining systems
- Abrasion-resistant coatings
- H₂S-resistant linings for chambers and manholes
- WRc and WIMES-compliant systems



AREAS OF APPLICATION

- Manholes and chambers
- Wet wells and pump stations
- Screening channels
- Inlet and treatment tanks

BENEFITS

- Protection against chemical and biological attack
- Extended asset lifespan
- Suitability for immersion environments
- Improved cleanability and hygiene



CHEMICAL-RESISTANT SYSTEMS & CONTAINMENT

TSM delivers robust chemical-resistant systems designed to protect recycled water infrastructure from aggressive substances and prevent environmental contamination. These systems are essential for safe and compliant operations.



SERVICES

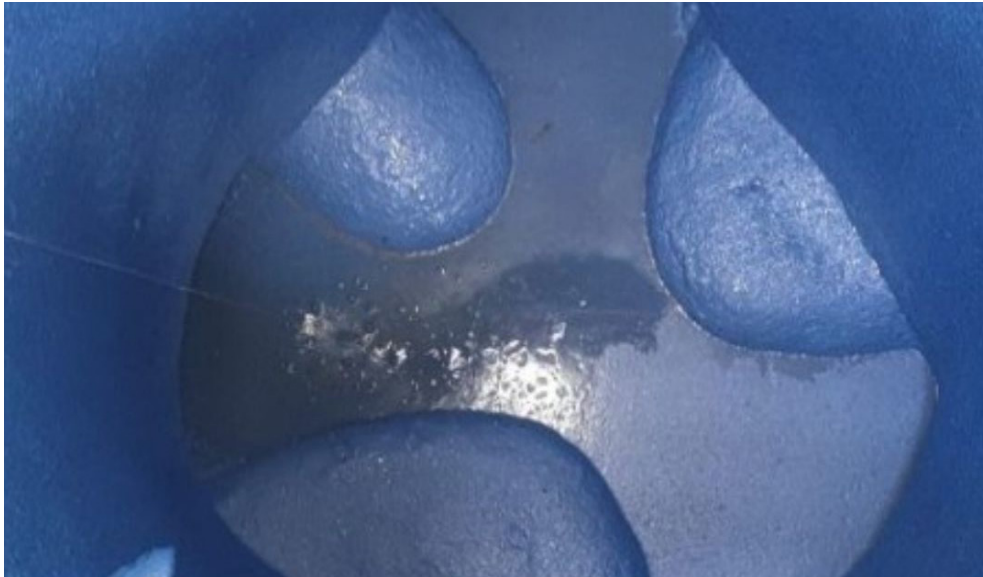
- Chemical-resistant linings for bunds and tanks
- Secondary containment protection systems
- Joint and penetration sealing
- Anti-corrosion protection for concrete and steel

AREAS OF APPLICATION

- Chemical dosing areas
- Storage bunds
- Treatment plants
- Containment structures

BENEFITS

- Prevention of leaks and contamination
- Compliance with environmental regulations
- Long-term durability in aggressive conditions
- Protection of surrounding infrastructure



MANHOLE REPAIR AND LINING

TSM provides specialist manhole rehabilitation services to restore, protect, and extend the life of wastewater infrastructure. Our solutions address hydrogen sulphide (H_2S) attack, concrete deterioration, and water ingress, delivering durable protection in demanding sewer environments.

SERVICES

- Hybrid silicate linings
- High-pressure water cleaning and surface preparation
- Concrete repair and structural refurbishment
- Polyurethane resin injection for live leak sealing
- H_2S -resistant epoxy, polyurethane, and cementitious lining systems
- Quality assurance including adhesion and spark testing

AREAS OF APPLICATION

- Wastewater manholes and inspection chambers
- Wet wells and pumping stations
- Culverts and underground structures
- Concrete and brickwork sewer assets

BENEFITS

- Protects against H_2S corrosion and concrete degradation
- Seals active water ingress and defective joints
- Extends asset service life and reduces maintenance costs
- Durable, chemical-resistant protection for wastewater environments



MANHOLE SEALING

TSM delivers specialist resin injection solutions to permanently seal leaking wastewater manholes and chambers. By stopping groundwater infiltration at source, we help water companies protect network capacity, reduce treatment costs, and extend the service life of critical underground infrastructure without excavation.

SERVICES

- Active leak sealing using polyurethane and acrylic resin injection
- Targeted infiltration and inflow reduction
- Crack injection and structural leak repairs
- Pipe penetration sealing
- Ring joint and construction joint sealing
- Void filling and ground stabilisation

AREAS OF APPLICATION

- Wastewater manholes and chambers
- Sewer networks
- Pumping stations and wet wells
- Interceptor chambers
- Valve chambers
- Underground utility structures

BENEFITS

- Eliminates groundwater infiltration
- No excavation or service disruption
- Extends the life of existing assets
- Reduces pumping and treatment costs
- Rapid installation with minimal downtime
- Cost-effective alternative to replacement

WATERPROOFING & LEAK SEALING

TSM provides advanced waterproofing and leak-sealing systems designed to stop infiltration and protect below-ground recycled water assets. Our solutions are effective even in live, highwater ingress conditions.



SERVICES

- Leak-sealing resin injection (PU, foaming, elastic systems)
- Structural waterproofing to BS 8102
- Type A and Type C waterproofing systems
- Gas and radon barrier installation
- MMA rapid-cure waterproofing membranes

AREAS OF APPLICATION

- Manholes and pipe penetrations
- Culverts and tunnels
- Tanks and below-ground structures
- Interfaces with infrastructure
- Drainage and gully refurbishment

BENEFITS

- Rapid sealing of live leaks
- Long-term watertight protection
- Flexibility to accommodate movement
- Reduced infiltration and system overload



CONTACT US

TOTAL SPECIALIST MAINTENANCE

The Old Nurseries, Nottingham Road, Radcliffe-on-Trent,
Nottingham, NG12 2DU

Tel 0115 7788661

Email info@totalsm.co.uk

totalsm.co.uk

