



WASTE WATER MANAGEMENT

AWARD WINNING WATER TREATMENT SYSTEMS





WE'RE THE EXPERTS

For over a decade MSE Systems has established an impressive track record for delivering award-winning water recycling systems to a wide range of clients.

We take our low-carbon commitment seriously, with our own purpose-built HQ located at Markham Vale near Chesterfield, Derbyshire leading the way in energy efficient building design.

Our team of process, mechanical and electrical designers are committed to deliver a turnkey bespoke solution, that aims to meet both engineering and environmental standards, meeting site or application specific requirements within a cost effective and timely manner.

OUR SOLUTIONS



Membrane BioReactors MBR Plants

Our BioReactor technology is in partnership with Mitsubishi Corporation, with the incorporation of Sterapore™ hollow fibre membranes within our MBR designs, that provide robust and reliable biological wastewater treatment plants that are highly efficient, compact in footprint and easy to operate.



Micro Filtration & Reverse Osmosis

Our Micro Filtration (MF) systems are an ideal pretreatment for further treatment such as Reverse Osmosis (RO) for industry sectors which require high purity water for recycling and re-use.



Dissolved Air Flotation (DAF)

We offer various forms of dissolved air flotation with chemical aids, from traditional rectangular designs with and without lamella, to GEM™, a new generation of DAF system, with efficient cyclonic pre-mixing, which offers the benefit of further compact footprint, reduced chemical usage, and the ability to retrofit and upgrade the capacity of an existing DAF system.



Lamella Settling Tanks & Clarifiers

A large range of unit sizes are available and multiple units can be used in parallel for larger flows, making them ideal for both rapid response and permanent installation.



Pilot Plants & Containerised Systems

An ideal solution to manage temporary additional wastewater treatment requirements, or ahead of making the decision to invest long-term, we have a range pilot equipment available, designed for ease of use and fully operational as quickly as possible.



System Automation & Remote Control

All our plants come with a high level of process automation to ensure the minimal amount of manual intervention. Whether you require access to a 24-hour manned remote monitoring station by us, standard automation or complete monitoring and control, our remote access system control and automation services offer complete peace of mind.



Service & Aftercare

Whether you require a complete aftersales process or maintenance service package with regular site visits to ensure your system continues to deliver optimal performance, or a reactive call out maintenance visit we are here to assist.



Upgrade & Optimisation

If you already have a treatment process or plant but require additional capacity, improved results, or wish to reduce further chemical usage, Chemical Oxygen Demand (COD), suspended solids, fats oils and greases (FOG), or to comply with more stringent discharge consent levels, our expert engineers are here to help.

A PARTNERSHIP APPROACH

We take a partnership approach with every solution we deliver, whether it's a single piece of equipment or a complete new plant, ensuring it has financial and environmental benefits at its core as well as being fully compliant with current consents and legislation.

Our team has built strong relationships with regional water authorities and the Environment Agency to enable us to deliver a compliant solution to all clients.

Whether you are looking to optimise or upgrade an existing water treatment plant, or purchase a complete new turnkey plant, we are here to help.





GET IN TOUCH

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