



FILTRATION TECHNOLOGY Granular - Micro - Ultra - Nano - RO

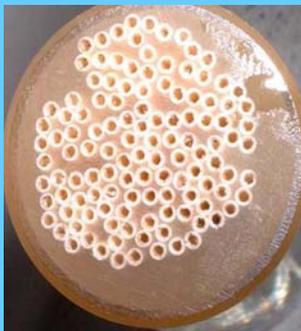
The Service



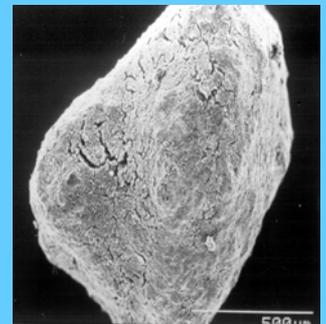
WatStech has developed the capability to evaluate filtration techniques ranging from granular media to membrane technology.



The Solution



We can provide expertise and facilities to assess the suitability, performance and optimisation of different filtration techniques.



The Support



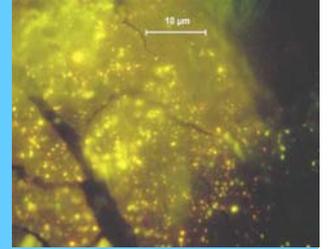
We provide independent, focused, and confidential support. Evaluations can be tailored to client's needs. WatStech offers 30 years combined water and wastewater experience.



Evaluating Filtration Processes

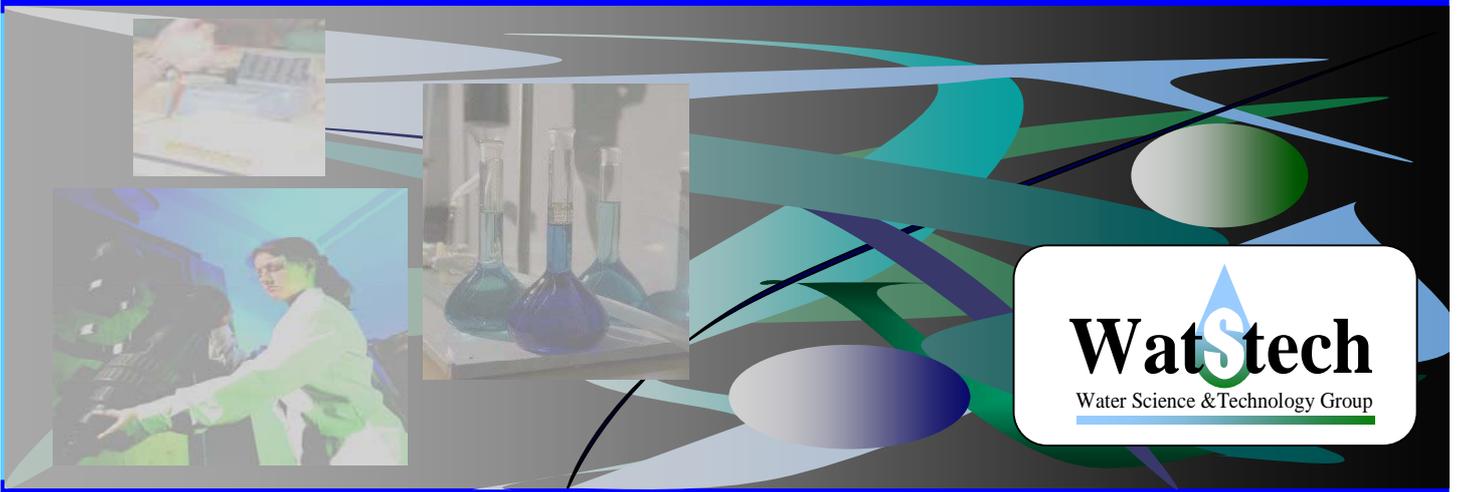
LABORATORY FILTRATION TESTING

Procedures specifically adapted for water treatment
Assessment of key operational parameters
Using synthetic or real waters
Rapid turnaround of results



FULL-SCALE PROCESS MONITORING

Core sampling and process performance monitoring
Backwash efficiency testing and optimisation
Acid washing to remove inorganic contamination
24 hour sampling service



WatStech
Water Science & Technology Group

Evaluating Filter Properties

MEDIA or MEMBRANE STRUCTURE

Chemical, physical and structural analysis:

Organic
Inorganic
Adsorption capacity
Surface chemistry
Surface area & porosity
Microscopy



CONTAMINATION or FOULING INVESTIGATION

Rates of adsorption or removal
Assessment of fouling index

Analysis of fouled media;
Organic
Inorganic
Biological
Physical

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