

Molecular Filtration, Inc.®
Industrial water treatment solutions



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Molecular Filtration, Inc.[®] (MFI) provides tailored water treatment solutions to produce water that meets environmental discharge concepts, maximize water recycling for reuse, while enabling recovery of valuable elements and reducing water and energy consumption.

With a long tradition in applying and investigating water treatment processes for oil and gas, refineries and power plants, MFI offers efficient, sustainable and best available process solutions and technologies for the treatment of industrial process and wastewaters.



Benefits

- Minimized capital expenditure through optimized process design
- Reduced water consumption and abstraction via treated water recycling
- Improved productivity and product quality through secured and clean process water
- Improved quality and reduced volume of generated waste water
- Reduce chemical usage via efficient molecular filtration process
- Global service



Organophobic Ceramic Membranes

Molecular Filtration, Inc.[®] (MFI) manufactures the only organophobic ceramic membrane in the world.

With the latest nano-technology our organophobic ceramic membranes are capable of rejecting the smallest organics such as xylene, toluene, benzene and more.

Low pressure driven, high cross flow velocity makes our organophobic ceramic membranes superior in comparison to any other ceramic membrane in the world.

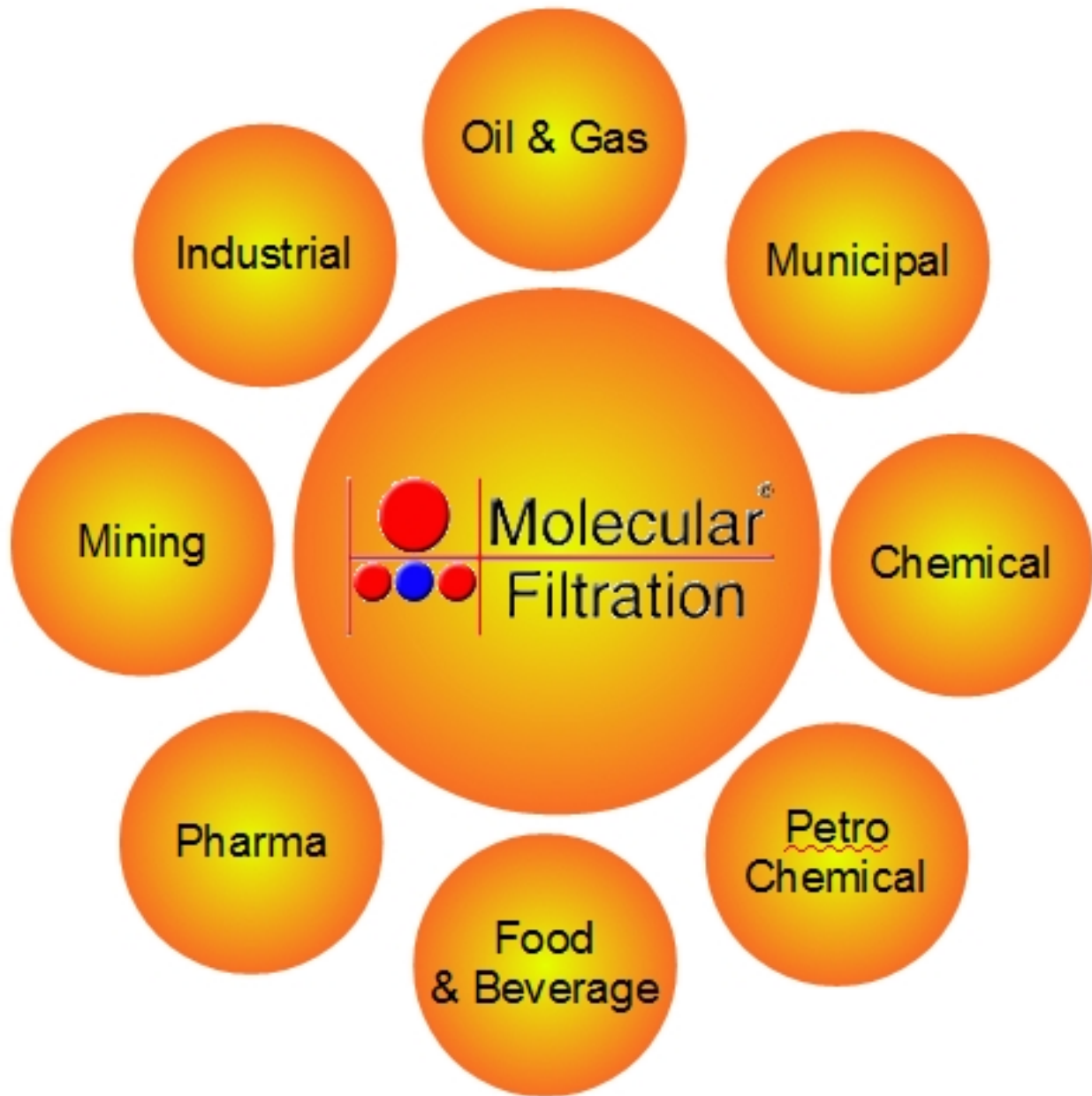
With its capability to reject organics, bacterias and even viruses by nature, bio-fouling is a thing of the past.

Advantages

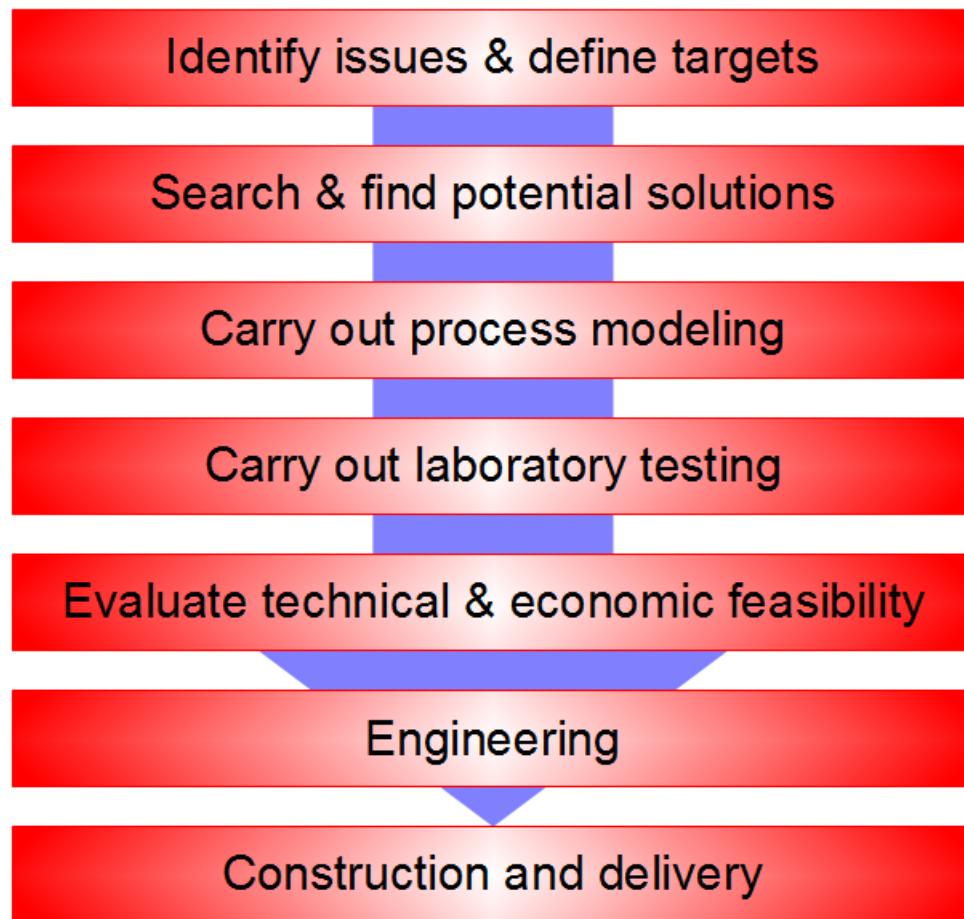
- Low pressure driven
- No backwash or back pulse require
- No biofouling
- Superior quality of water
- No chemical needed
- High temperature resistance
- Chemical resistance
- Long life



Applications



Building Industrial Water Treatment Solutions



The process of finding a suitable solution water treatment and management related challenge starts with MFI analyzing and assessing customer and process requirements in order to identify the relevant water treatment and management issues and define targets. Following the analysis and assessment of the water treatment and/or management case, thorough research is carried out by water experts in order to assess available solutions and discuss their suitability with relevant process experts in order to find the best potential conceptual solutions.



Molecular Filtration, Inc. is an independent manufacturer of advanced organophobic ceramic membranes and filtration systems. The company offers innovative solutions for the chemical industry, industrial water treatment, oil & gas, pharmaceutical, food and beverage and energy.