

CAPABILITY STATEMENT



BRANDING RECOGNITION

MASAR Technologies, Inc., is a recognized international water desalination and membrane technology consulting and training company, located in Tucson, Arizona, USA, since 1993, with about 38 years of hands-on plant experience, technical expertise and Industrial innovation. We provide expert consulting, real-time plant and membrane systems evaluation, monitoring & troubleshooting, fouling management, techno-economic feasibility of new projects, processes and technologies. We also provide training courses and workshops. Remote monitoring and analytics by **SilentAlarm™** helps water utilities with digital transformation to optimize the performance efficiency and cost-value of their treatment plants.

- ❖ **MASAR Expert Consulting**
- ❖ **SMART SilentAlarm™ Technology & Software**
- ❖ **MASAR Practical Training**

CORE COMPETENCIES

COMPANY CONTACTS

- *Expert Technical Consulting (on-site and remote).*
- *Pretreatment & Membrane Systems Design, and Technical & Cost Feasibility Studies, Conceptual and Design Specifications Reviews & Optimization.*
- *Plant Operation & Performance Monitoring, Upgrade, Evaluation and Optimization in Real Time.*
- *Plant Troubleshooting, Fouling Inspection, Membrane Autopsies & Effective Management Programs.*
- *Expert Witness on RO Plants Performance Failure.*
- *New Plant Commissioning & Site Acceptance Tests.*
- *Licensing of **SMART SilentAlarm™** Realtime Software.*
- *Design of Customized MASAR Training Courses.*

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RECENT PROJECTS

- ❑ Subject-matter consultancy on desalination and brine management as part of a high-high-level feasibility study for a GCC client developing a new mega city infrastructure.
- ❑ Long-term technical consultancy for a major international IWPP developer and national water & power utility in the Middle East for monitoring, evaluation, troubleshooting and optimizing the operation, maintenance, performance and O&M costs of one of the largest SWRO desalination plants in the world, including on-site fouled membrane autopsies, system checks, testing, troubleshooting, optimization trials & reporting.
- ❑ Technical consulting as membrane desalination expert for a global Moon Shot company investigating the feasibility of a new process for production of fuel from seawater.
- ❑ Conducting advanced technical and practical training courses and live webinars.
- ❑ Long-term consulting on techno-economic feasibility of a new desalination technology.
- ❑ Lead consultant on feasibility & regulatory permitting a seawater RO plant in California.

PAST & CURRENT EXPERIENCE

STRATEGIC PARTNERS

