

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 over years of hands-on plant experience, technical expertise and 34 Industrial innovation. We provide expert consulting, plant evaluation, monitoring and troubleshooting, professional training services, and innovative software solutions worldwide for RO, UF and other membrane desalination and filtration plants. Our specialties include real-time membrane systems monitoring, evaluation, optimization, troubleshooting and fouling management. We also provide customized O&M manuals and multi-media training via our partners.

- ❖ **SMART™ Technology**
- ❖ **MASAR® Software**
- ❖ **MASAR Training Courses & Workshops**

CORE COMPETENCIES

- *Expert Technical Consulting (on-site and remote).*
- *Pretreatment & Membrane Systems Design, and Technical Specifications Reviews & Optimization.*
- *Customizing & Licensing of **MASAR®** Software.*
- *Design of Customized MASAR Training Courses.*
- *Expert Witness on RO Plants and Failure Analysis.*
- *New Plant Commissioning & Site Acceptance Tests.*
- *Plant Operation & Performance Evaluations.*
- *Plant Monitoring, Optimization & Upgrade Studies.*
- *Troubleshooting, Fouling Inspection, Membrane Autopsies & Management Programs Implementation.*
- *Pilot Plant Design, Evaluation & Feasibility Studies.*

COMPANY CONTACTS

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RECENT PROJECTS

- ❑ 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 high-tech company investigating the feasibility of a new process for production of fuel from seawater.
- ❑ Customizing of the **Silent Membrane Alarm in Real Time (SMART™)** technology and **Membrane Alarm System and Automated Reporter (MASAR®)** software to monitor optimize, measure and effectively manage membrane fouling and scaling in **real time**.
- ❑ Conducting a one-day advanced technical and practical training course and webinar on UF-SWRO Plant Operation, Cost & Fouling Management. Course CD-ROM available.

PAST EXPERIENCE

STRATEGIC PARTNERS



شركة الإمارات سيمبكورت للماء والطاقة
 EMIRATES SEMB CORP
 WATER & POWER COMPANY



100% Minority-owned small business