

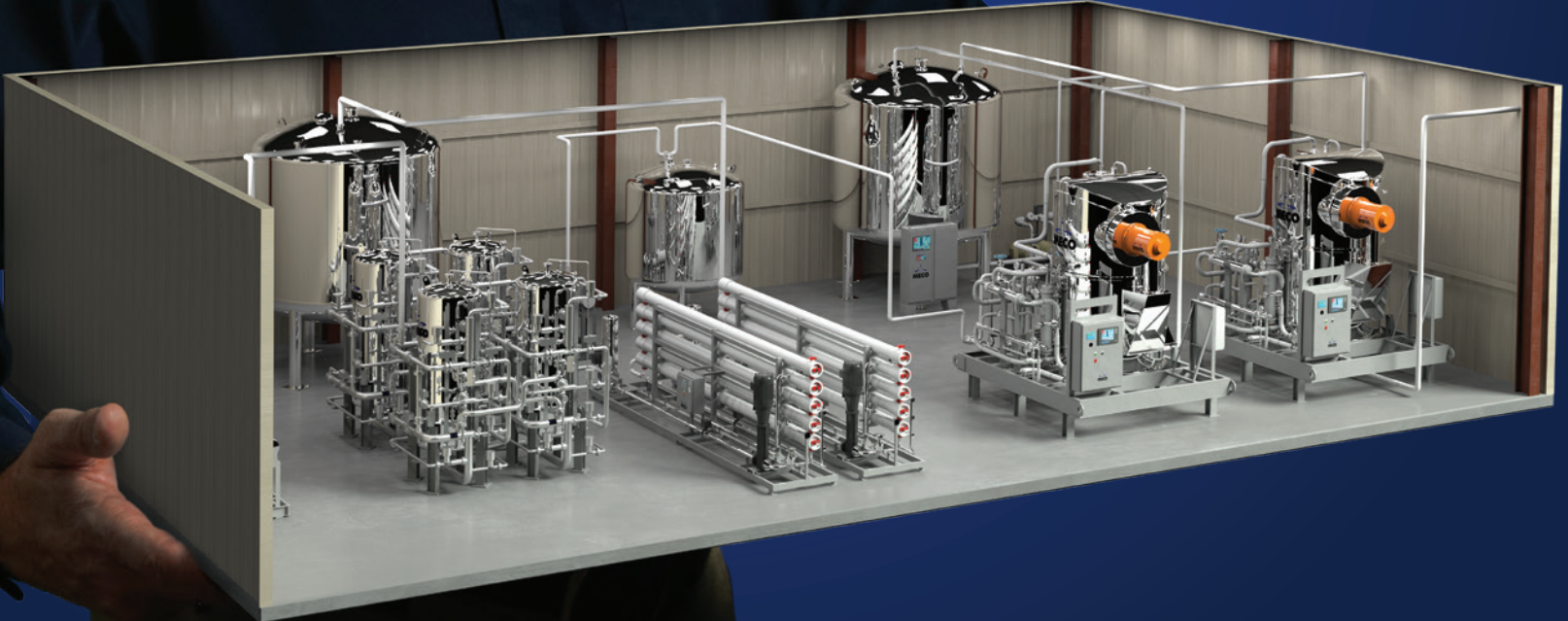


MASTER*support*[™]
service center

WATER PURIFICATION SERVICES

WHERE TOMORROW GETS ITS WATER.[™]





ONE TRUSTED SOURCE EMBRACING FULL-SPECTRUM SERVICES

BECAUSE UPTIME IS YOUR ONLY OPTION

You need water purification you can trust. Operationally and financially, frequent downtime is not an option. That's why MECO is your one source for full-spectrum services and solutions.

We are engineers, designers and master technicians whose only focus is water purification. We build everything from single units to complex systems. And we can build to very specific requirements.

We bring the best people and practices to advanced, sustainable water purification. Our systems work around the clock, across the world, backed by maintenance as dependable as MECO performance.

MECO. One trusted source is all you need.

ENGINEERING SERVICES

MECO water purification is grounded in our tradition of engineering excellence. Our mastery of core engineering disciplines—mechanical, electrical, chemical—drives a synergy that produces the smartest solution to every challenge.

SYSTEM DESIGN

Close attention to detail. Strict adherence to protocol. Thorough documentation. They're all important attributes that describe engineering and design at MECO.

Our approach is one of discipline and precision. Starting with the confirmation or development of your user requirements, our engineers check and double-check to ensure compliance with all industry regulations. In addition, every aspect of the process is documented for future reference.

The MECO engineering team can provide in-depth expertise and guidance at virtually any point in the system's development.

These services include:

Project Planning

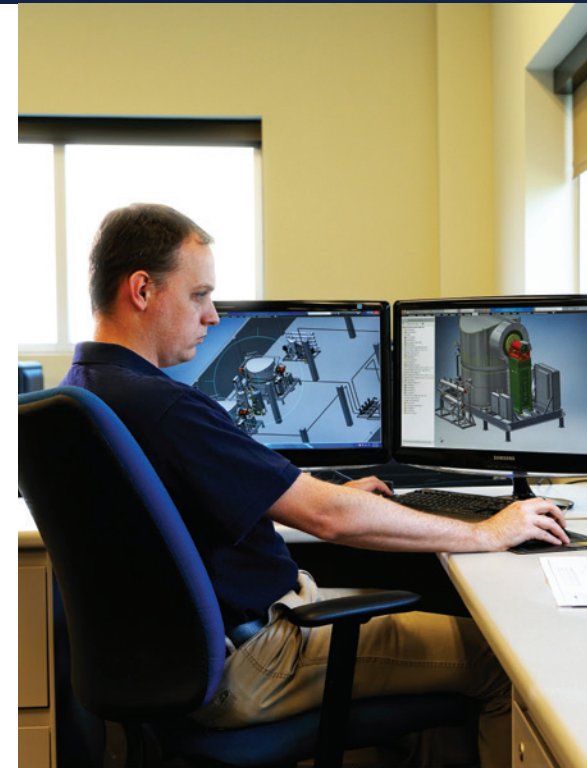
- Water System Audits
- Feasibility Studies
- Process Design
- Scope and Specification Development

Project Execution

- Project Management
- Equipment Design
- Control System Design
- System Layout

Project Completion

- System Validation
- System Commissioning
- Training





UPGRADES AND RETROFITS

The exacting standards of purifying water demand that your plant always run at its optimal capabilities—a task that gets more and more difficult as the plant ages. Normal wear and tear, along with technological advancements, have led companies to rely on MECO for our retrofit and upgrade services.

MECO extends the life of distillers and other water treatment systems by offering control system upgrades and refurbishments.

The benefits of these services include:

- An extension of the distiller's life, reducing the capital outlay for new equipment.
- Improved operation of the plant through more accurate operating control, higher equipment reliability and reduced maintenance.
- An updated system to meet higher quality assurance and validation standards.

VALIDATION

MECO provides comprehensive validation services that meet or exceed industry standards. Our Installation Qualification (IQ) and Operational Qualification (OQ) protocols verify the installation and operation of the equipment. Each protocol is written in accordance with current Good Manufacturing Practices (cGMP) and is FDA-compliant.

Our range of services include:

- Factory and Site Acceptance Testing
- Equipment Startup and Commissioning
- Equipment Installation
- Installation and Operational Qualification



EQUIPMENT SERVICES AND PARTS

Productivity is your priority. Maximum uptime is a critical factor. MECO's factory-trained, certified tech team provides services to keep your system running—from onsite water room management to preventive maintenance to emergency response.

INSTALLATION AND RESTORATION

Our familiarity with water treatment systems and the broad range of equipment used has helped MECO become a trusted source for the installation of new systems or restoration of existing systems.

Our team of pipefitters, machinists and electricians will provide all of the on-site services required to install or restore your water system, including wiring and plumbing.

Services include:

- Demolition
- Equipment Setting
- Utilities Piping
- Sanitary Piping
- Electrical Power Wiring
- Control Wiring
- Instrumentation Wiring
- Existing System Tie-ins





OPERATION AND MAINTENANCE

MECO offers different levels of service agreements tailored to meet your needs. Our vertically integrated infrastructure and broad array of water and steam products enable unique service capabilities and life cycle product support to the industries we serve.

Services include:

- Emergency Support, Routine Preventative Maintenance and Full-Time O&M
- Mechanical, Chemical and Electrical Field Service Engineers are factory trained, OSHA 30 and NFPA 70E certified and trained to cGMP Good Documentation Practices
- Full-service capabilities in North America, Europe and Asia
- Remote Monitoring, Data Analytics System Integration available
- Responsive, reliable Spare Parts Department
- Product and Process Education and Training

PARTS CENTER

With MECO, you get a resource that pays close attention to the details. Nowhere is that more apparent than our approach to spare parts.

We understand that even the smallest O-ring can bring your entire system to a halt. So we've built a parts program that provides quality, selection, responsiveness and expertise.

Features include:

- Detailed operations and maintenance manuals include parts information and component literature for guidance and efficiencies in reordering.
- An extensive inventory of commonly stocked parts and consumables including electrical components, valves, pumps, pump parts, compressor parts, seals, gaskets, belts, oils, and a variety of chemical and cleaning agents.
- Rapid response through our worldwide network to help ensure responsive processing and delivery of customer orders.
- An experienced Parts Analyst is available to customers with the identification and selection of the proper spare part, consumable and repair.



EDUCATION AND TRAINING

The technology used in water purification is constantly changing. Which is why it's crucial that those who develop and operate these systems have a thorough understanding of the latest processes and equipment.

MECO is committed to taking the lead in providing options for continuing education for our clients and our employees. To make it easy, convenient and cost-efficient for companies to stay ahead of the learning curve, we offer a range of options for continuing education.

SERVICE SEMINARS

Service Seminars are held throughout the year in various cities throughout the world. Speakers provide in-depth information and tips regarding trends and innovations in water purification. Discussions include theory, operation, troubleshooting and maintenance of various pharmaceutical water plants.

Service Seminars include:

- Product-specific production standards
- Pretreatment, production and storage/distribution equipment
- Preventive maintenance outlines, pumps, valves and heat exchangers
- Utilities, stroking valves and transmitter configuration
- Lube system, vapor compressor and performance data collection





LUNCH AND LEARNS

Let your entire team benefit from the in-depth knowledge and expertise of an experienced MECO engineer or technician. For this program, we send one of our experts to your location to speak to your staff. The seminar can cover the latest trends in critical utilities or be customized to a specific issue of interest.

Lunch and Learns include:

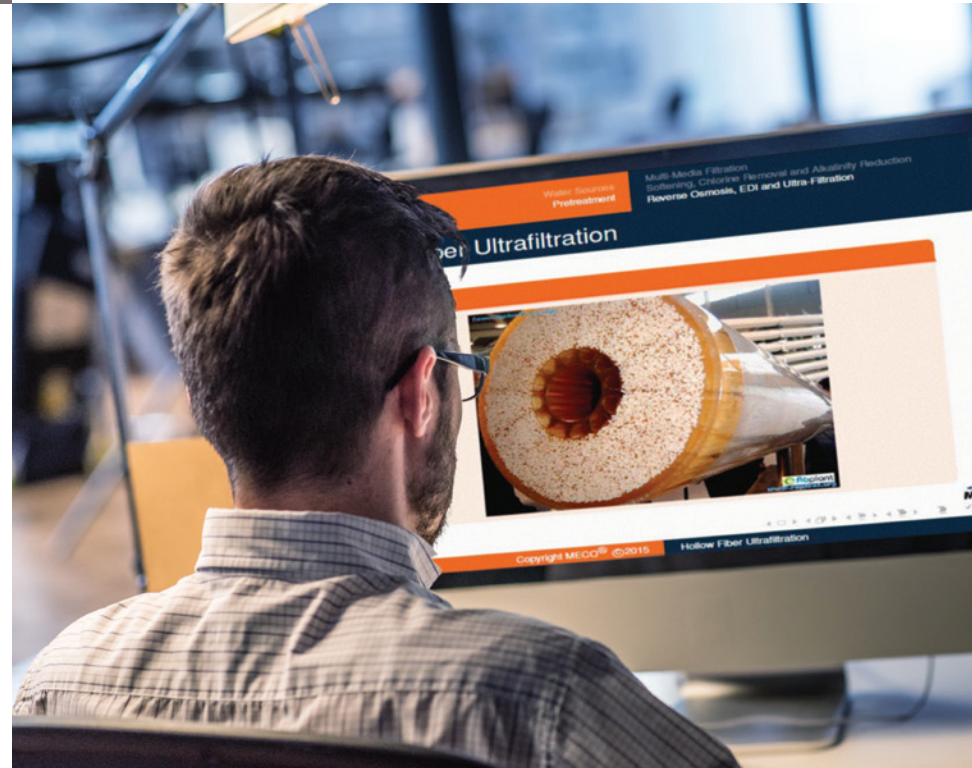
- Customers can customize subject matter to their requirements
- Up to 3 MECO representatives depending on content to be covered
- Lunch or dinner catered for up to 20 customer team members
- Remote expert speaker appearance capabilities via web conferencing

WEBINARS

MECO offers a variety of standard and custom web-based seminars. This webinar series enables more engineers and technicians to gain the valuable insights and understanding they need without making a large time commitment or even leaving their desk.

Webinars include:

- Customers can customize subject matter to their requirements
- Expert engineers and service technicians
- Real-time questions and answers
- High-end audio and video quality
- Mobile device enabled via Apple and Android
- Event recording for distribution to team members and anytime reference



LOCATION AND CONTACT INFORMATION

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