

WATER DESALINATION PLANT DESIGN AND MANAGEMENT

December 13-14, 2021
Online | Central Time



“EUCI courses have three fundamental characteristics: substance, substance, and substance. Time and money well spent.”

Assistant GM-Power Supply,
Burbank Water and Power

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The Water Desalination Plant Design and Management course is designed for engineers looking to understand the design and management processes of reverse osmosis (RO) desalination plants. Providing drinking water through desalinating salty water has become more common in recent years because of the unfortunate limitations of sourcing fresh water. Desalination plants can not only provide access to safe drinking water but can also help with irrigating plants and habitat protection.

This course introduces a general overview to the benefits and challenges of a water desalination plant using reverse osmosis (RO) technology starting from raw water intake and ending with the water disruption station. The instructor will review the pretreatment system, high pressure block, membrane design, controls, post treatment, and how to manage high implementation costs.

LEARNING OUTCOMES

Upon completion of this course, participants will be able to successfully:

- Layout the reverse osmosis water desalination plants components
- Define the raw water intake system
- Design the pretreatment system based on feed water quantity
- Recognize how to do the membrane projection
- Recognize the different type of energy recovery technologies
- Recognize the different type of high-pressure pumps
- Assign the power consumption for the Drink Water Reverse Osmosis or DWRO
- Recognize the motor's controller
- Plant cost management and budgeting
- Define the post treatment system
- Optimize operations and reduce costs

INSTRUCTOR

Haytham Ahmed, PMP, *Engineering Manager – Water Desalination/Senior Reverse Osmosis Specialist, Fluid Equipment Development Company (FEDCO)*



EUCI is authorized by IACET to offer 0.9 CEUs for the course



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REGISTRATION INFORMATION

Mail Directly To:

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Greenwood Village, CO 80111
OR, scan and email to: conferences@euci.com

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ONLINE DELIVERY & PARTICIPATION DETAILS

EUCI will use Microsoft Teams to facilitate participation in the upcoming event. Attendees do not need to have an existing Teams account to participate in the broadcast. The course will play in attendee's browser. When attendees sign on, their microphones are typically muted. Attendees should keep their mic muted until such time as it's needed to ask a question. During the event, participants will have the option of using a microphone to speak with the room and ask questions, or type in any questions via the chat window and our online administrator will relay your question to the instructor.

- Each attendee will receive an event invitation by e-mail, which will include one link to sign on for each half-day of the event (i.e., three links for a 1 ½ day event). The appropriate link must be used to join each half-day event segment at the appropriate time.
- The remote meeting connection will open approximately 30 minutes before the start of the course. We encourage attendees to connect as early as possible in case of unforeseen problems.

PLEASE SELECT

WATER DESALINATION PLANT DESIGN AND MANAGEMENT ONLINE COURSE

DECEMBER 13-14, 2021: US \$1,195 (Single Connection)

PACK OF 5 CONNECTIONS: US \$4,780 (20% Discount)

PACK OF 10 CONNECTIONS: US \$8,365 (30% Discount)

PACK OF 20 CONNECTIONS: US \$14,340 (40% Discount)

Please call us at 303-770-8800 if you have any specific questions on the volume discounts.

** all other discounts do not apply to license packs*

How did you hear about this event? (direct e-mail, colleague, speaker(s), etc.)

Print Name

Job Title

Company

Address

City

State/Province

Zip/Postal Code

Country

Phone

Email

CREDIT CARD INFORMATION

Name on Card

Billing Address

Account Number

Billing City

Billing State

Exp. Date

Security Code (last 3 digits on the back of Visa and MC or 4 digits on front of AmEx)

Billing Zip Code/Postal Code

OR Enclosed is a check for \$ _____ to cover _____ registrations.

Substitutions & Cancellations

Your registration may be transferred to a member of your organization up to 24 hours in advance of the event. Cancellations must be received on or before November 12, 2021 in order to be refunded and will be subject to a US \$195.00 processing fee per registrant. No refunds will be made after this date. Cancellations received after this date will create a credit of the tuition (less processing fee) good toward any other EUCI event. This credit will be good for six months from the cancellation date. In the event of non-attendance, all registration fees will be forfeited. In case of course cancellation, EUCI's liability is limited to refund of the event registration fee only. For more information regarding administrative policies, such as complaints and refunds, please contact our offices at 303-770-8800.

EUCI reserves the right to alter this program without prior notice.

