

The ADF

EXPERIENCE

Valuable information. Trusted service. Problem solved.

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In this issue:

- [Special Focus: ADF Turnkey Water Solutions](#)
- [Code Change Alert: National Electrical Code 2017 Updates](#)
- [Unique Project: Sugar Dome Facility](#)
- [Smart Education: Free Webinars and Lunch 'n Learns](#)
- [Upcoming Events](#)

Special Focus: Industrial Water Solutions

Have you heard? ADF has expanded our line of offerings for Industrial Water Solutions. This complete turnkey service will encompass everything from the engineering design, to equipment sourcing and installation, to maintenance and parts support.

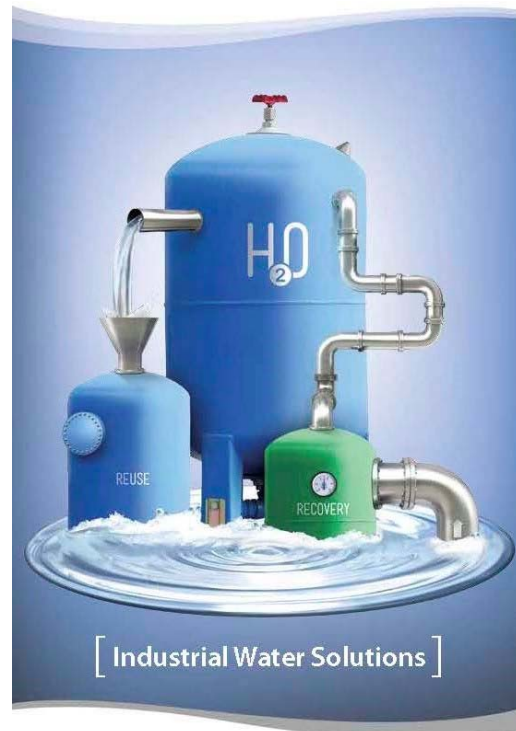
Leading the solutions team are Mechanical Department Manager [Rakesh Patel](#) and Project Manager [Joe Reece](#).

Rakesh has more than 15 years of experience as a project engineer, project manager, and engineering supervisor. He has extensive knowledge in industrial process water and waste water treatment engineering, including managing multi-million dollar solutions in the water treatment market.

Joe has worked in operations and project management for more than 20 years, managing every aspect of facility manufacturing improvements. New to ADF, Joe brings hands-on experience to the water solutions team, including spending five years managing projects and process improvements for the world's largest water treatment company.

Visit our [Water Solutions web page](#) to learn more, download a brochure, or read our white paper on industrial water solutions.

Contact water solutions expert Joe Reece at jreece@adfengineering.com to learn more.



Below, ADF's Water Solutions team analyzes a best-value option.

From left: Mechanical Department Manager Rakesh Patel, Engineer Robert Lynch, Project Manager Joe Reece, Process Department Manager Matt Williamson, and AE&I Department Manager Jim Bader.



Code Change Alert: NEC 2017 Updates

There are several major revisions and new items in the NEC 70 2017 release. With new code revisions come new requirements and understandings for clients, owners, designers, contractors, authorities, and more. Here are several highlights:

- New marking requirements for arc-flash warning labels (110.16(B)), reconditioned equipment (110.21(A)(2)) and working spaces (110.26(A)(4))
- Revisions to grounding requirements for separately derived AC systems (250.30(A)(4) and (250.52(A)(2))
- New articles address new power technologies like wind and solar including Articles 691, 706, 710 and 712.
- New regulations for existing technologies including Article 425 for Fixed Resistance and Electrode Industrial Process Heating Equipment.

For more information, [contact Jim Bader](#).

To see the exact roll-out dates in your area, check out [the state-by-state guide](#) from the Electrical Code Coalition.



NEC 2017: What
You Need to Know



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Featured Project: Sugar Dome Storage Facility

ADF was proud to lead the design on this unique structure for United Sugars and American Crystal Sugar. [Read all about the project online](#), and see our 3D walkthrough model in action in this educational video from United Sugar Corporation.

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Smart Education: ADF Webinars and Lunch 'n Learns

ADF believes that a mutual understanding of best practices and engineering principles can lead to a more successful project. Did you know that you can sign up for our FREE webinars and lunch 'n learns? Here are a few of the courses we can offer you:

- **Technologies and Options for Water Treatment in Industrial Plants** led by Rakesh Patel, PE
- **Structural Engineering 101: Basics of Structural Engineering for Plant Engineers** led by Derek Jacobs, PE
- **Engineering Steps for Implementing New Technologies** led by Alex Fishman, PE
- **Project Management and Critical Design Steps for a Successful Project** led by Matt Williamson, PE
- **Structural Conditions Assessment and Non-Destructive Methods** led by Derek Jacobs, PE
- **Piping Design and Specifications** led by Rakesh Patel, PE
- **Laser Scanning and 3D Plant Design** led by Justin Hays
- **Dealing with OSHA and NFPA Requirements on Combustible Dusts** led by Matt Williamson, PE
- **Optimizing CIP to Reduce Costs and Increase Throughput** led by Matt Williamson, PE
- **Process Safety for Hazardous (and Not-So-Hazardous) Environments** led by Nathan Deutsch, PE

We'd love to visit your site or host you online for free training. Email cridenour@adfengineering.com to learn more or to get a webinar schedule.

Where to Meet ADF: 2017 Trade Shows & Events

- **April 4-6:** Look for Mario Ancona at the Petfood Forum in Kansas City
- **April 24-25:** Booth 107 @ Food Automation and Manufacturing Expo (FA&M) in Naples, FL
- **May 3-5:** Booth Wesson 601 @ American Oil Chemists' Society (AOCS) Showcase in Orlando, FL
- **June 19-21:** Booth 424 @ Fuel Ethanol Workshop & Expo (FEW) in Minneapolis, MN

How Are We Doing?

Have an idea for an article? Want to provide feedback on this newsletter?

[Please let us know how we're doing!](#)