

## ASSEMBLY REQUIRED

October 2025

## THE WATER COOLER



This month, PEPM Group had the privilege of attending two industry events: PACK Expo in Las Vegas and the Arkansas Manufacturing Showcase in Little Rock. PACK Expo brought together 20,000 + industry professionals from across the packaging and processing industry around the world to explore cutting-edge technologies, share insights, and build connections that drive the industry forward. The Arkansas Manufacturing showcased how collaboration, technology, and vision continue to shape the state's industrial future and celebrated the strength, innovation, and impact of Arkansas-made manufacturing, highlighting the state's vital role in shaping the future of American industry. PEPM Group is excited by the opportunity to learn new strategies, discover emerging trends, and connect with partners who share our commitment to growth and excellence.

The PEPM Group is excited to share progress on a comprehensive engineering project in Oklahoma involving both mechanical and structural design elements. We are providing engineering solutions to optimize the material handling system for a refinery product facility to enhance customer flexibility, while also designing and analyzing structural supports and access platforms. These include 3D scans, top-down plot plans, 3D views, and sectional details. It's a great example of cross-disciplinary coordination and client-focused engineering.



The PEPM Group launches the new edible tallow recovery system project in Kansas. Our mechanical engineering team will be on-site to lead the design process, providing comprehensive 3D engineering drawings, detailed equipment matrix, and layout plans. The CSA team will provide the structural steel design and foundation engineering. To ensure precision and efficiency, PEPM engineering team will also perform 3D scanning of the project area. We're proud to bring our expertise to this project and look forward to contributing to sustainable processing solutions.

PEPM Group is thrilled to welcome Owen Bottorff to our administrative team as our new Office Manager! Owen brings years of experience in the United States Marine Corps, specializing in all-source intelligence. He is a proven leader, with a track record of managing cross-functional teams, developing and implementing training programs, and delivering timely, accurate assessments. With his skilled military leadership, we are excited for Owen to bring his knowledge and experience to our growing team. Thank you for your service to the country, and welcome to PEPM, Owen!



# WE ARE HIRING!

For a long-term fulfilling career, a caring, encouraging, and respectful workplace, contact PEPM. Apply today at [www.pepmgroup.com/careers](http://www.pepmgroup.com/careers)

- **Senior Electrical Engineer** (Fayetteville, AR), 6+ years of electrical design work in industrial engineering, 4+ years of field experience, proficiency in designing, installing, and maintaining electrical systems required, proficiency in AutoCAD 2D AND Revit 3D for electrical system design required, bachelor's degree in electrical engineering is required, electrical PE preferred
- **Project Engineer, Project Manager** (Tulsa, OK), 5+ years of proven work experience in engineering, oil and gas and energy business, 5+ years of proven work experience in project management in engineering, construction or fabrication, excellent time management skills to meet promised schedules, organization and planning skills and attention to detail are a must, PE and/or PMP highly preferred, Bachelor's degree in mechanical engineering or related engineering field



## TOP 10: WORLD'S TALLEST BUILDINGS

The design and construction of super-tall towers requires specialized construction techniques at every stage. Wind tunnel testing at the design stage helps with the building's aerodynamic shape and facade design. Foundation footings must accommodate immense point loads, often utilizing deep caissons that extend to the bedrock. Steel megacolumns, 4 meters in diameter, comprise the primary structure. At certain floors, usually every 20-30 stories, entire levels are dedicated to housing equipment such as air conditioning and electrical systems. Each of these floors has giant steel beams that stretch out from the building's central core to its outer edges. At the highest levels, mass dampers, weighing up to 1,000 tons, counteract wind-induced sway at upper levels.

Here are the world's 10 tallest buildings:

- Taipei 101 - Taipei, Taiwan - 508 meters
- China Zun - Beijing, China - 527.7 meters
- Guangzhou CTF Finance Centre - Guangzhou, China - 530 meters
- Tianjin CTF Finance Centre - Tianjin, China - 530 meters
- One World Trade Center - New York City, USA - 541.3 meters
- Lotte World Tower - Seoul, South Korea - 554.5 meters
- Ping An Finance Center - Shenzhen, China - 599.1 meters
- Makkah Royal Clock Tower Hotel - Mecca, Saudi Arabia - 601 meters
- Shanghai Tower - Shanghai, China - 632 meters
- Burj Khalifa - Dubai, United Arab Emirates - 828 meters

Original Article: Top 10 World's Tallest Buildings: [ConstructionDigital](http://ConstructionDigital)

## WE WANT YOUR FEEDBACK!

**adwenkyer** (*Twi for feedback*)

To ensure a great newsletter, let us know what you think! Your ideas and stories can make this newsletter a truly engaging experience. Send your suggestions to [yzhang@pepmgroup.com](mailto:yzhang@pepmgroup.com). *Your feedback is greatly appreciated and valued!*

**GET PROPOSAL** Have questions about MEP, CSA, industrial refrigeration, process design, architectural, or project management?  
Contact PEPM Group at [yzhang@pepmgroup.com](mailto:yzhang@pepmgroup.com), [admin@pepmgroup.com](mailto:admin@pepmgroup.com), (918) 895-6766, or visit [www.pepmgroup.com](http://www.pepmgroup.com).



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## IN THE KNOW...

October, which is the tenth month in the Julian and Gregorian calendar, is named after the Latin word octo (eight) as it was the eighth month in the Roman calendar.

**2011** The world population reaches 7 billion inhabitants according to the United Nations

**1973** The Bosphorus Bridge in Istanbul, Turkey connects the continents of Europe and Asia over the Bosphorus for the first time

**1957** Soviet Union launches Sputnik I, the first artificial Earth satellite, into an elliptical low Earth orbit

**1884** International Meridian Conference in Washington D.C. establishes Greenwich in London, England as the universal time meridian of longitude

**1884** George Eastman patents paper strip photographic film

**1879** Thomas Edison perfects the carbonized cotton filament light bulb

**1582** Gregorian calendar is introduced in Spain, Portugal and the Papal States, after skipping 10 days from October 4 to sync the calendar to the solar year and compensate the Julian calendar having too many leap days.

Original Article: [OnThisDay.com](http://OnThisDay.com)