

ASSEMBLY REQUIRED

March 2025

THE WATER COOLER



We are thrilled and honored to announce that PEPM Group has been voted Best Engineering Firm and awarded Gold in the prestigious Best of NWA awards!

To everyone who took the time to vote for us, thank you for your trust and support!



PEPM Group made a successful site visit to a food process and prepared foods facility in Alabama! We are thrilled to be adding a state-of-the-art Fulton Heater, a new Fulton Building, and a Par-Fry Line to enhance the facility's capabilities.

Our structural, mechanical, and electrical engineers were on site, providing their expertise to ensure every detail was planned. They also conducted comprehensive 3D scanning of the facility, which will significantly streamline the implementation process and improve accuracy.

We are pleased to announce that PEPM Group has commenced the second phase of the Thermal Oxidizer and System project. The system is destined for installation within one of the largest hydrocarbon processing facilities in the world, underscoring the scale and significance of this endeavor. The second phase of engineering is projected to reach completion by the end of 2025. Our team remains committed to delivering excellence and innovation in every aspect of this project, and we look forward to sharing further updates as we progress.



WE ARE HIRING!

For a long-term fulfilling career, a caring, encouraging, and respectful working place, contact PEPM. Apply today at www.pepmgroup.com/careers

- Electrical engineer (Fayetteville AR or Tulsa OK), 5+ years electrical or control engineering design experience, including food process facility design, PE preferred.



FEELING IS BELIEVING: BIONIC HAND 'KNOWS' WHAT IT'S TOUCHING, GRASPS LIKE A HUMAN

Johns Hopkins University engineers have developed a pioneering prosthetic hand that can grip plush toys, water bottles, and other everyday objects like a human, carefully conforming and adjusting its grasp to avoid damaging or mishandling whatever it holds.

The system's hybrid design is a first for robotic hands, which have typically been too rigid or too soft to replicate a human's touch when handling objects of varying textures and materials. The innovation offers a promising solution for people with hand loss and could improve how robotic arms interact with their environment.

"The goal from the beginning has been to create a prosthetic hand that we model based on the human hand's physical and sensing capabilities -- a more natural prosthetic that functions and feels like a lost limb," said Sriramana Sankar, a Johns Hopkins biomedical engineer who led the work. "We want to give people with upper-limb loss the ability to safely and freely interact with their environment, to feel and hold their loved ones without concern of hurting them."

Original Article: Feeling is Believing: Bionic Hand 'Knows' What it's Touching, Grasps Like a Human: [Science Daily](http://ScienceDaily)

WE WANT YOUR FEEDBACK!

masasabi (*Bikol 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. *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, admin@pepmgroup.com, (918) 895-6766, or visit www.pepmgroup.com.



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IN THE KNOW...

March, which is the third month in the Julian and Gregorian calendar, is named after Mars, the Roman God of War.

1965 Soviet cosmonaut Alexei Leonov leaves his spacecraft Voskhod 2 for 12 minutes and becomes the first person to conduct a spacewalk

1962 Five research groups announce the discovery of antimatter

1910 First seaplane takes off from water under its own power, piloted by Henri Fabre from the Étang de Berre lagoon at Martigues, France

1876 Alexander Graham Bell receives a patent for the telephone in the US

1869 Dmitri Mendeleev presents the first periodic table of the elements to the Russian Chemical Society

1794 Eli Whitney patents the cotton gin, revolutionizing the cotton industry in the southern US states

1791 Long-distance communication speeds up with the unveiling of a semaphore machine in Paris

240 BC 1st recorded perihelion passage of Halley's Comet

Original Article: *OnThisDay*: www.OnThisDay.com