

ASSEMBLY REQUIRED

June 2025

THE WATER COOLER

PEPM Group was honored to receive the Oklahoma Governor's Award for Excellence in Exporting on June 16, at a special presentation in Tulsa.

We celebrated this achievement alongside Tulsa Mayor Monroe Nichols, Marcus Verner, Director of the U.S. Commercial Service in Oklahoma of the U.S. Department of Commerce, as well as Vice Chair Eric Kunkel, Steve Smith, and Mike Perry from the Oklahoma District Export Council, who presented the award.

This recognition highlights our dedication to expanding export sales, strengthening global business connections, and driving economic growth across Oklahoma, creating more jobs and opportunities in our State. We're grateful for the chance to share our work with key members of the Tulsa community, and we look forward to building on this momentum!



PEPM Group kicked off a new refrigeration module system project —another energy project as we continue supporting our clients' expansion goals in 2025. Our scope includes structural and civil engineering, electrical and instrumentation design, mechanical engineering, and 3D modeling. We're utilizing a robust suite of engineering tools for this project, including STAAD, CAESAR II, IDEA StatiCa, CADWorx, AutoCAD 3D, Navisworks, and MathCAD. Engineering and modeling efforts are expected to be completed within four months, with our team committed to delivering high-quality solutions.

PEPM Group's engineering team started two projects in Indiana and Alabama, delivering specialized expertise in food processing facilities. In Indiana, PEPM is designing and implementing a state-of-the-art mechanical system to support operations at a leading pickle processing facility, ensuring efficiency and operational excellence. In Alabama, PEPM is providing comprehensive structural and mechanical engineering services for a poultry processing plant, reinforcing operational integrity and facility longevity.

To enhance precision and project execution, PEPM has conducted comprehensive 3D scans of both facilities, generating detailed as-built models and drawings to support engineering initiatives.

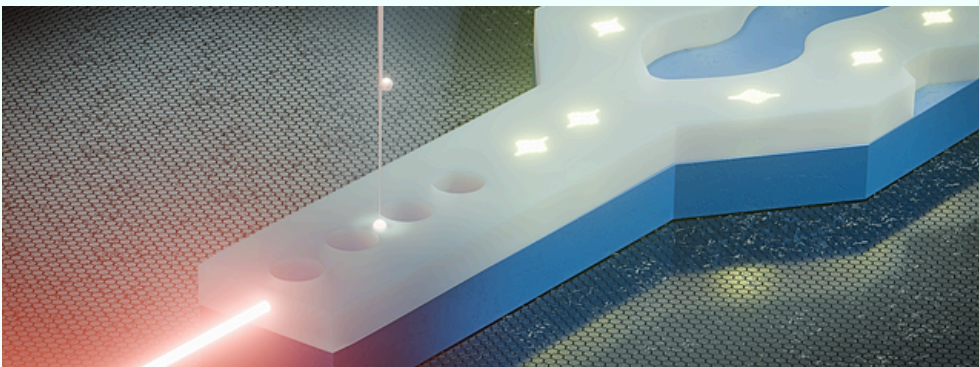
For your structural, mechanical, electrical engineering, 3D modeling, and drafting needs, contact yizhang@pepmgroup.com, jpascual@pepmgroup.com, and admin@pepmgroup.com. The PEPM Group is a full engineering service company specialized in food process and energy industries and a leading engineering company for plantwide ventilation and air studies and has provided more than 30 ventilation and air study evaluation projects for multiple customers throughout the country.



WE ARE HIRING!

For a long-term fulfilling career, a caring, encouraging, and respectful workplace, contact PEPM. Apply today at 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



SCIENTISTS JUST TOOK A BIG STEP TOWARD THE QUANTUM INTERNET

A Danish-German research collaboration with participation of the Helmholtz-Zentrum Dresden-Rossendorf (HZDR) aims to develop new quantum light sources and technology for scalable quantum networks based on the rare-earth element erbium. The project EQUAL (Erbium-based silicon quantum light sources) is funded by the Innovation Fund Denmark. It started in May of 2025 and will run for five years.

Quantum technology enables unbreakable encryption and entirely new types of computers, which in the future are expected to be connected through optical quantum networks. However, this requires quantum light sources that do not exist today. The new project aims to change that.

The technological vision is based on combining nanophotonic chips from DTU with unique technologies in materials, nanoelectromechanics, nanolithography, and quantum systems. There are many different types of quantum light sources today, but either they do not work with quantum memories, or they are incompatible with optical fibers.

There is only one viable option: the element erbium. However, erbium interacts too weakly with light. The interaction needs to be significantly enhanced, and this is now possible thanks to new nanophotonic technology developed at DTU.

Original Article: Scientists just took a big step toward the quantum internet: [Science Daily](https://www.sciencedaily.com).

WE WANT YOUR FEEDBACK!

gbelinyi (*Susu 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 y Zhang@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 y Zhang@pepmgroup.com, admin@pepmgroup.com, (918) 895-6766, or visit www.pepmgroup.com.



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JUNE

IN THE KNOW...

June, which is the sixth month in the Julian and Gregorian calendar, is named after the Roman Goddess Juno.

2003 The Spirit Rover is launched, beginning NASA's Mars Exploration Rover mission

1963 Soviet space mission Vostok 6 launched with Valentina Tereshkova onboard, becoming the first woman in space

1930 First detection of an airplane using reflected radio waves, a precursor to radar, by US Naval Research Laboratory engineers

1929 US President Herbert Hoover authorizes the building of the Hoover Dam

1928 American aviator Amelia Earhart became the first woman to fly across the Atlantic Ocean

1868 Christopher Latham Sholes patents the Sholes and Glidden typewriter, the first commercially successful of its kind

1840 American inventor Samuel Morse patents his telegraph

1837 Charles Goodyear obtained his first rubber patent

837 BC Assyrians record a solar eclipse that will be used to fix the chronology of Mesopotamian history

Original Article: [OnThisDay: www.OnThisDay.com](https://www.onthisday.com)