

ASSEMBLY REQUIRED

July 2024

THE WATER COOLER

The PEPM Group recently completed two air study and ventilation evaluation projects in two poultry plants in Texas and Arkansas. PEPM is highly specialized and regarded in ventilation, condensation, and air balance engineering evaluation, combining and providing field measurement with certified devices. We have completed more than 30 air study projects in 25+ facilities and provided highly effective solutions for condensation and air imbalance remediation, resulting in significant cost savings, avoided plant shutdowns, and improved working conditions.

The PEPM Group also completed a full-discipline engineering project in Fort Worth/Dallas this month. PEPM provided the structural, mechanical, and electrical engineering design and issued a construction package for a food processing plant.

The PEPM Group started a structural engineering project this month, providing engineering services for multiple large air cooling towers for an energy company in Oklahoma.

The PEPM Group is excited to welcome Wade Brightwell to our growing administration team. Wade is a graduate of Arkansas Tech with a BS in Communications. For the last 15 years, Wade has worked his way up from assistant supervisor to assistant manager. Please join PEPM in welcoming Wade!

For your structural, mechanical, electrical engineering, 3D modeling, and drafting needs, contact jpascual@pepmgroup.com, yzhang@pepmgroup.com, and admin@pepmgroup.com. The PEPM Group is a leading company for plantwide ventilation and air studies and has provided more than 25 ventilation and air study evaluation projects for multiple customers throughout the country.

ENGINEERING INSIGHT

Food Processing Plant Ventilation 8:

Welding/Maintenance Ventilation

- If Maintenance: Type and number of machinery. UBC Section 1202.2.4.
 - Mechanical Ventilation – 1 cubic foot per square foot of floor area.
 - Engine pipe exhaust to outside.
 - >10 feet – require 300CFM
 - Connecting Offices and Rooms shall be operated under positive pressure. Recommend CO detectors.
 - Ensure doors are closed.
 - Wash Dock
 - Positive ventilation
 - Minimum – 500CFM.
- If Welding: number of welders at use at the same time.
 - TTS guidelines – good
 - 2000ACFM/welder
 - 10,000 cubic feet per welder and ceiling height of at least 16 feet.
 - 100 feet per minute



Follow us
[@pepmgroup](https://www.linkedin.com/company/pepmgroup)

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

- Lead or Senior Structural Engineer (Tulsa, OK) - 5+ years of experience. PE required.



COOL OFF THIS SUMMER WITH SOME ESSENTIAL VIEWING FOR ENGINEERS

From vintage dramas to high-octane thrillers, from animated family films to Bollywood comedies, there is no shortage of films with a focus on engineers and how they do what they do. We've selected a short list of films that portray engineers overcoming challenges and solving complex problems, inspiring viewers, especially those in or aspiring to join technical fields, by showcasing the ingenuity and creativity involved in engineering.

- **Primer**

Primer centers on two engineers, supplementing their day jobs with building experimental tech in their garage, who accidentally discover time travel.

- **Apollo 13**

An incredible true story of perhaps the greatest feat of improvised engineering in history. The multi-award-winning film is tense and dramatic, and a celebration of the tenacity and problem-solving abilities of the NASA astronauts and the flight engineers at mission control.

- **The Flight of the Phoenix**

When an oddball crew crash-lands their cargo plane deep in the Saharan desert, far from any hope of rescue, it is up to a self-proclaimed aeronautical engineer to devise an ambitious plan — build a new plane from the wreckage that surrounds them.

- **The Wind Rises**

The Wind Rises is a biography of aeronautical engineer Jiro Horikoshi, best known for designing the Mitsubishi A6M Zero fighter aircraft ahead of World War II.

- **3 Idiots**

A classic Bollywood comedy, the film follows three engineering students in Delhi, and despite the humor and exuberant dance scenes, packs a serious message about the Indian education system and the pressures it — and parents — can place on young students.

IN THE KNOW...

July was named after the birth month of the famous Roman general Julius Caesar. The month was previously called Quintilis (Latin for fifth) as it was the fifth month of the 10-month-long ancient Roman calendar.

2019 An asteroid, dubbed "City Killer," came closer to Earth than the moon and was almost undetected.

1997 Japan published the first print of the world's most popular manga-comic series, "One Piece."

1969 Apollo 11 landed on the Moon with astronauts Neil Armstrong, Buzz Aldrin, and Michael Collins.

1945 The world's first atomic bomb was detonated.

1935 Oklahoma City, OK, installed the world's first parking meter.

1829 Inventor William Austin Burt patented the typographer, also known as the typewriter in the US.

1790 Samuel Hopkins was awarded the first US patent.

The HOT SPOT

Top 10 Poultry Consumer Trends of 2024 (So Far)

The most popular consumer trends articles and blogs from WATTPoultry in the first half of the year...

[READ MORE](#)

The 9 Largest Commercial Construction Starts of June 2024

Shovels hit dirt on a \$1.5 billion data center site in Ohio and a \$1 billion multifamily complex in Florida, the latest in a series of...

[READ MORE](#)

OSHA Proposes Rule to Protect Workers from Extreme Heat

The standard would require employers to provide water and rest breaks when high heat creates a hazardous work...

[READ MORE](#)

Generation Z Will Transform How Chicken is Marketed

Chicken marketers need to start planning how to future-proof communications with the unique consumer expectations and...

[READ MORE](#)

Annual Fall Protection Inspection Requirements

Fall protection equipment is vital for protecting individuals working at heights. To ensure the equipment works efficiently and is in excellent condition...

[READ MORE](#)

WE WANT YOUR FEEDBACK!

informacja zwrotna (*Polish 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, call (918) 895-6766, or visit www.pepmgroup.com.

JULY

AWARENESS DAYS

- JUL 1 US Postal Worker Day
- JUL 2 I Forgot Day
- JUL 3 Plastic Bag Free Day
- JUL 4 Independence Day
- JUL 5 Bikini Day
- JUL 6 Kissing Day
- JUL 7 Tell The Truth Day
- JUL 8 Freezer Pop Day
- JUL 9 Sugar Cookie Day
- JUL 10 Don't Step on a Bee Day
- JUL 11 World Population Day
- JUL 12 Etch a Sketch Day
- JUL 13 Embrace Geekness Day
- JUL 14 Shark Awareness Day
- JUL 15 Gummy Worm Day
- JUL 16 World Snake Day
- JUL 17 Yellow Pig Day
- JUL 18 Caviar Day
- JUL 19 Words with Friends Day
- JUL 20 Space Exploration Day
- JUL 21 Junk Food Day
- JUL 22 Hammock Day
- JUL 23 Gorgeous Grandma Day
- JUL 24 Tell An Old Joke Day
- JUL 25 Thread the Needle Day
- JUL 26 All or Nothing Day
- JUL 27 Love is Kind Day
- JUL 28 Milk Chocolate Day
- JUL 29 Rain Day
- JUL 30 Cheesecake Day
- JUL 31 Talk in an Elevator Day

