

# Mechanical Systems Puzzles



**One mechanical puzzle will be distributed to each chapter every year at the GreatFutures Forum.**

These puzzles, and the corresponding session, were created from attendee feedback requesting a deeper dive into the technical side of our industry, specifically the systems involved in mechanical contracting. The session goes piece by piece (literally) to explain how a system is built, connected and utilized by end-users.

**Collect them all!**  
Chapters must be in attendance at the GreatFutures Forum to receive a puzzle – don't miss out!

Examples: Chilled Water Central Plant & Hot Water

### Ways to Utilize the Puzzle

- Display them at campus recruitment fairs to briefly explain the types of systems to interested students looking to join the student organization or add a mechanical emphasis to their degree.
- Place them in a department trophy case for visual interest and include a flyer with club meeting information for the semester.
- Use them during a lab time for hands-on learning.
- Use concepts learned from the puzzle in their student chapter competition project proposal.
- Incorporate a puzzle into a classroom lecture (use a projector). Explain 'how and why' certain parts are connected the way they are in the design as you assemble it.
- Invite an MCAA contractor member to campus and ask them to walk through the puzzle during a club meeting. Education AND networking!
- Once multiple puzzle years have been collected, consider visiting an elementary school and utilizing it as an activity to help promote construction as a career path to the next generation. Bonus if you read a construction book to the class while you're there!