



## ASCE/AGC Meeting Summary

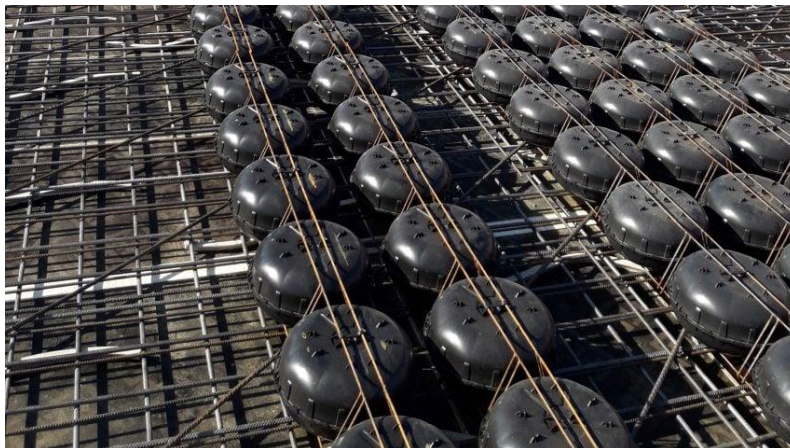
### Week 2: Zap Engineering

January 20<sup>th</sup>, 2023

This meeting recap is intended to allow all ASCE/AGC members to stay up to date with the events that take place during our weekly meetings!

#### Announcements:

1. The Building the Connections event is coming up soon on February 5<sup>th</sup>! Come network with employers in a low-stress environment. For more information, please email Benji Rizzi at [brizzi@mines.edu](mailto:brizzi@mines.edu).
2. ASCE regionals are fast approaching! We are still looking for members for the UESI Surveying Competition and Sustainable Solutions. If you are interested, contact Ryan Irvine at [ryanxirvine@mines.edu](mailto:ryanxirvine@mines.edu).
3. Join us next week (Friday 1/27) for a presentation about tunneling with professor Mike Mooney. Bring your dues if you haven't already!
4. Follow us on Instagram: @asce.mines



## **Civil Engineering Fun Fact of the Week:**

Concrete is well known for its greenhouse gas emissions from both its chemical processes and transportation involved with construction. The German architectural firm Sacker came up with a solution of using plastic “bubbles” to reduce the volume of concrete needed in a pour, which reduces both material cost and emissions. There is also an additional benefit from reduced structural load resulting from the concrete.



## **Today's Presenters: Zap Engineering**

This week's presentation was about the structural maintenance of a tower in a limestone quarry/concrete manufacturing facility. Some of the topics covered include:

- Assessing damage on structures and determining solutions
- Designing for structural stability
- Decision making based on site factors and cost
- Working under time constraints to minimize shutdown time

Thank you to our presenter, Jackson Emnott! If you have any questions about ZAP or would like to reach out for more information, contact him at [emnottj@zapecs.com](mailto:emnottj@zapecs.com).

Enjoy your weekend!

Respectfully,

Riley Miller, ASCE-AGC Secretary, Spring 2023

*Have any questions? Feel free to email me @ [rmiller5@mines.edu](mailto:rmiller5@mines.edu).*