

B I O G R A P H Y

**JOSHUA M.
CARNEY, P.E.**
PRESIDENT



Joshua M. Carney, P.E. is President and Owner of Carney Engineering Group (CEG), a multi-discipline, forward-looking engineering firm located in York, PA. Josh founded CEG in January 2009, and supervises the firm's conceptual structural design and forensic engineering work. In addition, he oversees firm management, business development, marketing and top-level project management. Josh has specific expertise in historic renovation and preservation, forensic engineering and analysis, long-span steel structures, design/build and Integrated Project Delivery (IPD).

Josh's experience on specific projects includes: steel construction, including conventional joist framing, composite design, tension-compression ring structures, rigid frames, concentric and eccentrically braced frames and staggered trusses. He has designed various foundations including spread footings, caissons, concrete and steel driven piles, auger cast concrete piles and micro and mini piles, and has been involved in multiple underpinning projects.

Josh has been an expert structural witness to the U.S. Department of Justice and has been called upon for professional forensic consulting services by a wide variety of clients. He is experienced in seismic analysis, AITP design and analysis and teaches regularly at Penn State University on structural load path issues in steel construction.

Education

Pennsylvania State University

Bachelor of Science, Civil and Environmental Engineering, State College, PA

Professional Licenses

Professional Engineer in PA, MD, VA, DE, NY, NJ, WV, DC, SC, TN, MO, AL, IA, GA, CT

Professional Associations

- American Institute of Steel Construction (AISC)
- Pennsylvania Society of Professional Engineers (PSPE), Lincoln Chapter President, **2004 - 2005**

Community Involvement

- Ace Mentor Program of Central PA, Founder & Past Chair
- United Way of York County Board of Directors

Awards

- PSPE Young Engineer of the Year
- Central Penn Business Journal's* Forty under 40

Project Experience

Since its inception in 2009, CEG has completed over 150 projects of various sizes and Josh reviews all of them whether or not he is directly involved. Over the course of his career, he has been involved in many notable projects, each with its own set of challenges. Some representative projects include:

WV Air National Guard C5 Fuel Cell Maintenance Hangar, Martinsburg, WV

Steel erection engineering and consulting services for a new 80,000-square-foot maintenance hangar for the West Virginia Air National Guard. Construction cost of approximately \$27 million.

California University of PA Convocation Center, California, PA

Consulting on the sequencing and erection of the structural steel frame and long span joist framing for a 6,000-seat arena. Additional work included general construction engineering for the fabricator and the general contractor, as well as forensic work and rehabilitation after storm damage shifted the roof structure three feet out of alignment.

In a previous engagement with another firm, Josh has served as the Principal-in-Charge on many notable projects including:

Boyd's Bear Country, Pigeon Forge, TN and Gettysburg, PA

Conceptual structural design, client coordination, project management and oversight of engineering design and document production for 100,000-square-foot, four-story retail stores.

Covenant Church, Pittsburgh, PA

Structural design and construction of a 240,000-square-foot, five-story church consisting of the main sanctuary, multi-purpose room, classroom space, office space, a wedding chapel and parking level.

