

Jared Weber | Mechanical / Nuclear Engineer, M.Eng., P.E., P.Eng.,
CFEI, PSP

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Jared.Weber@efiglobal.com

Professional Summary:

Mr. Weber has thirteen (13) years of engineering experience in support of various commercial industries.

- Forensic Engineering, Mechanical System Failure Cause and Origin:
 - HVAC Systems
 - Piping
 - Fire Protection Systems
 - Water Ingress / Water or Fluid Losses
 - Large Complex Losses
- Vehicle Accident Analysis and Reconstruction
- Fire Investigations- General: Specialty in Fires Related to Mechanical Ignition Sources
- Fluid Power Systems; Lean Manufacturing Consulting
- Commercial and Residential Real Estate Losses
- Instrumentation and Control System Design and Testing
- Physical Security System Design, Implementation and Operations
- Equipment Qualification and Testing, Environmental and Seismic
- Wind / Hail Damage to Residential Structures (HAAG)

Licenses and Certifications:

Professional Engineer, Pennsylvania, PE082263

Professional Engineer, Ohio, 80591

Professional Engineer, West Virginia, 21094

Professional Engineer, Maryland, 46369

Professional Engineer, Georgia, PE039684

Professional Engineer, Michigan, 6201061743

Professional Engineer, Mississippi, 25993

Professional Engineer, South Carolina, 32137

Professional Engineer, Wisconsin, 44085

Professional Engineer, Tennessee, 118636

Professional Engineer, Maine, 14098

Professional Engineer, Delaware, 20498

Professional Engineer, Idaho, 16656

Professional Engineer, Minnesota, 53290

Professional Engineer, Kentucky, 33998

Professional Engineer (P.Eng.), Saskatchewan, Canada, 32240

Professional Engineer(P.Eng.), Alberta, Canada, 235086

Professional Engineer (P.Eng.), Ontario, Canada, 100503638

Professional Engineer (P.Eng.) New Brunswick, Canada, L5886

Professional Engineer (P.Eng.) Nova Scotia, Canada, 12323

National Association of Fire Investigators (NAFI), Certified Fire and Explosion Investigator (CFEI)

American Society for Industrial Security (ASIS), Physical Security Professional (PSP)

HAAG Certified Residential Inspector

Project Experience:

Weber Engineering (Mars, PA)

President and Chief Engineer

Design of instrumentation and test panel for pneumatic rotary actuator – to include torque, rotation, and pressure parameters. Lean manufacturing oversight and advisement. General mechanical consulting for fluid power systems.

Analysis and approval of mechanical drawings / code compliance for multiple local restaurant/pubs.

Westinghouse Electric Company (Cranberry Township, PA)

Consultant / Engineer

Test Lead for AP1000 Protection and Safety Monitoring System – both US and China projects. Provide senior technical oversight and leadership to a team of 35 I&C engineers. Assist with channel and system-level integration test configurations, troubleshooting, and documentation delivery. Design and procurement of physical security systems and commodities. Cyber security; vulnerability assessments of critical digital assets.

Omniceil (Cranberry Township, PA)

Engineer IV

Responsible for generating test plans, protocols, and datasheets for verification and validation activities for medical devices in adherence with federal regulations, industry standards, and customer or product-specific requirements.

Westinghouse Electric Company (Cranberry Township, PA)

Consultant / Principal Engineer

Design responsibility for the security computer system at Vogtle Nuclear Generating Station, Waynesboro, GA. Consultant engineer for on-site physical security system design and operations.

Test Lead for AP1000 Protection and Safety Monitoring System – both US and China projects. Provide senior technical oversight and leadership to a team of 35 I&C engineers. Assist with channel and system-level integration test configurations, troubleshooting, and documentation delivery. Design and procurement of physical security systems and commodities. Cyber security; vulnerability assessments of critical digital assets.

Clark Testing (Jefferson Hills, PA)
Dynamics Laboratory / Engineering Manager

Responsible for the cognizant oversight of all engineering project work in the \$3.5M business unit. Lead 14 direct-report employees, engineers and technicians. Ensure adherence to ASME NQA-1 / 10 CFR 50, App. B quality programs.

Professional Experience:

EFI Global, Forensic Engineer – Mechanical, 2015-2018
Westinghouse Electric Company, Consultant / Principal Engineer, 2014-2018
Clark Testing, Dynamics Laboratory / Engineering Manager, 2012-2014
Westinghouse Electric Company, Engineer, 2009-2012
Pennsylvania Army National Guard, Captain (O-3), 2009-2017

Education:

Master of Engineering, Nuclear Engineering, Pennsylvania State University, December 2014

Bachelor of Science, Mechanical Engineering, Virginia Military Institute, 2009

Affiliations:

American Society of Mechanical Engineers (ASME)
Institute for Electrical and Electronics Engineers (IEEE)
American Nuclear Society (ANS)