

PROFILE

A Mechanical Engineer with extensive experience developing Energy Savings Performance Contracts (ESPC), HVAC projects, and industrial facility improvements. He has worked with military bases, schools, hospitals, universities, municipal entities, wastewater treatment facilities, and manufacturing plants in the food, consumer products, semiconductor, steel, and aircraft maintenance industries. In addition, he has completed building efficiency evaluations for Energy Management Systems, HVAC equipment, steam boiler plants, water conserving fixtures, and irrigation systems. His experience with process efficiency evaluation in industrial facilities include HVAC, process steam, compressed air, pumping solutions, chilled water optimization, de-ionized water, ammonia refrigeration, and process piping for steam, chilled water, city water, and gas.

- ▶ *Industries:* energy and power, commercial and industrial buildings, water and wastewater, and manufacturing plants.
- ▶ *Computer Skills:* Windows and MS Office (Word, Excel, PowerPoint).

EDUCATION

Bachelor of Science, Mechanical Engineering

University of Texas at Austin – Austin, Texas

LICENSES

Professional Engineer (PE):

- ▶ Arkansas
- ▶ Louisiana
- ▶ Oklahoma
- ▶ Texas

PROFESSIONAL AFFILIATIONS

- ▶ Member Tau Beta Pi, Pi Tau Sigma, ASHRAE

CONTINUING EDUCATION

- ▶ Ethical Decision Making for Engineers #3

PROFESSIONAL BACKGROUND

June 2015 – Present: Envista Forensics – Dallas, Texas

Project Engineer

2005 – 2014: Chevron Energy Solutions / Public Sector – Irving, Texas

Lead Engineer

2000 – 2005: Chevron Energy Solutions / Federal Business Unit – Dallas, Texas

Senior Project Engineer

OFFICE

3440 Sojourn
Suite 230
Carrollton, TX 75006

CONTACT

Office: +1 888 782 3473
Cell: +1 972 587 2890
Fax: +1 866 914 7561
walter.shalek@envistaforensics.com

CORPORATE OFFICE

5565 Glenridge Connector
Suite 900
Atlanta, GA 30342

WEBSITE

www.envistaforensics.com

1999 – 2000: Cogenex – Dallas, Texas

Project Manager

1997 – 1999: Planergy – Austin, Texas

Senior Engineer

1996 – 1996: Energy Systems Group – Evansville, Indiana

Performance Contract Engineer

1993 – 1995: Honeywell– Lubbock, Texas

Performance Contract Engineer

1990 – 1993: Kimberly Clark (Huggies and Pull-Ups Plant) – Paris, Texas

Project Engineer / Maintenance Engineer

REPRESENTATIVE PROJECT EXPERIENCE

City of Austin Parks and Recreation

Austin, Texas

- ▶ Responsible for the detailed engineering of new chillers, new package units, a city-wide irrigation controller upgrade, and a reclaimed water usage project for a large ball park complex.

Houston Community College, Houston Baptist University, and El Paso Community College

Multiple Locations, Texas

- ▶ Responsible for the HVAC equipment replacements, and control upgrades.

Litigation Matters in Present Position

- ▶ Expert witness for failure of fittings caused by corrosion at a threaded joint in a condenser water line.
- ▶ Expert witness for gas leaks in tubing and fittings which resulted from metallurgy issues and installation deficiencies.

Claims Resolved in Present Position

- ▶ Completed studies and reports on numerous piping and equipment failures which were the result of fractures in piping and structural steel members. These reports were used to settle equipment breakdown insurance claims.