

Charles A. Thomson, P.E.

Mr. Thomson is a Professional Engineer with 16+ years of experience in project management, facility design/engineering, and construction management; licensed in the State of Texas and (21) other states. Mr. Thomson's Project Management and Design experience was formed while working at Carter and Burgess, Freese and Nichols, Good Shepherd Medical Center, Polk Mechanical, and Johnson and Pace. Mr. Thomson serves now as the Lead Project Engineer for Total Engineering Services, LLC.

As Project Manager, Mr. Thomson incorporates and oversees all disciplines (Surveying, Geo-Technical, Site-Civil, Architectural, Structural, & Mechanical/Electrical/Plumbing) for multi-faceted projects all over the country for clients such as FTS International, Schlumberger, and Baker Hughes. Mr. Thomson develops the needs of clients into a complete design and construction project in the industrial and commercial fields.

As Project Engineer, Mr. Thomson performs and oversees design tasks for the Mechanical (HVAC and Plumbing,) Electrical, and Civil Systems. He is experienced in educational, commercial, industrial, municipal, and military/government, facilities:

Mechanical

- Chilled and hot water systems, thermal oil systems
- High-, medium-, & low-pressure ductwork design
- Variable-air-volume, cold-air distribution, industrial ventilation, & DDC controls
- Most piping systems (domestic, sanitary, compressed air, natural gas\LP, etc.)

Electrical

- Low voltage power distribution systems and emergency generator systems
- Lighting systems (site and interior)
- Fire Alarm, data, and communication systems

Civil

- Site layout and grading
- Storm sewer and hydraulics
- Site utilities

Mr. Thomson also served as Project Manager for Good Shepherd Medical Center and Polk Mechanical where he supervised personnel, designed and supervised installation and construction of new systems, and maintained existing systems.

Registrations

Professional Engineer (22 States)

LEED AP, US Green Building Council Accredited Professional

HFDP, ASHRAE Certified Healthcare Facility Design Professional

CPMP, ASHRAE Certified Commissioning Process Management Professional

NCEES – Model Law Engineer

Employment History

Present	Total Engineering Services, LLC Longview, Texas	President, Project Manager Civil and MEP Engineer
2011 - 2005	Johnson and Pace, Inc. Longview, Texas	Project Manager Civil and MEP Engineer
2005 - 2004	Polk Mechanical Tyler, Texas	Project Manager Construction Manager
2004 - 2003	Good Shepard Medical Center Longview, Texas	Project Manager
2003 – 1999	Freese and Nichols, Inc. Fort Worth, Texas	Project Manager MEP Engineer
1999 - 1996	Carter and Burgess Fort Worth, Texas	Mechanical EIT

Education

Bachelor of Science in Mechanical Engineering

University of Texas at Arlington, 1996

Associate of Science in Mechanical Engineering

Kilgore College, 1994

Project Experience

Industrial

FTS International

Sand Plant and Mine – Arcadia WI
Sand Plant Expansion – Voca TX
Sand Coating Plant - AL, IL, TX
District Office/Maintenance Facility - ND, PA, TX, OK, UT, WY
Iron Testing Building - Pleasanton TX

Crossland Construction – Schlumberger

Gun Shop - Midland TX (Design Build)

Hawk Installation and Construction

Sand Dry Line Expansion- Kosse TX (Design Build)

Baker Hughes

VOC System and Blender Piping- Kilgore TX

Lockheed Martin Tactical Aircraft Systems

Building No. 200 Lobby Remodel- Fort Worth TX

Chennault Industrial Airpark

Hangars A and B- Lake Charles LA

Central Texas College

Welding Shop- Cameron TX

Commercial

FTS International

Distribution Center - Cisco TX
FTS Cooperate Office – Cisco TX

SYSCO Foods

Distribution Center and District Sales Office- Longview TX

DFW International Airport

Automated People Mover Project - Fort Worth TX

TXU – Oncor

Headquarters- Dallas TX

Salvation Army

Living Center- Fort Worth TX

City of Arlington

Arlington Convention Center & Visitors Bureau- Arlington TX

Goodwill Industries

Donated Goods Recycling Center- Fort Worth TX

ClearSource Telecommunications

Retail Store and Office/Switch Facility - Corpus Christi TX & Odessa TX

Healthcare

Buckner

Green House Assisted Living – Longview TX

Ed Watts (Private)

Legends Assisted Living Center- Lindale TX

Sunnybrook

Independent Living Center- Madison MS

Military/Government

General Services Administration

Boiler Replacement for the Fritz G. Lanham Federal Building- Fort Worth TX

Boiler Replacement for U.S. Courthouse and DDC Controls- Fort Worth TX

Federal Complex, Building 23 HVAC Upgrade- Fort Worth TX

U.S. Courthouse Renovation- Marshall TX

Fort Polk Military Installation - LA

Campus Site Survey and Facility Evaluation

USACE Fort Worth

White Sands Missile Range, Las Cruces NM

Naval Air Station-Corpus Christi TX - Building No. 1846 Equipment Dock

Educational

Trinity Episcopal Church

Daycare and School Addition- Marshall TX

Longview ISD

Vocational Training Wing- Longview TX

Central Texas College

Library Expansion- Killeen TX

Fort Hood Campus- Killeen TX

University of Texas at Arlington

NANOFAB- Arlington TX

Temple ISD, Boys and Girls Club

Recreation Center and Natatorium- Temple TX

Municipal

City of Longview

City Hall and Police Station HVAC Upgrade- Longview TX

City of Fort Worth

Eagle Mountain Water Treatment Plant- Fort Worth TX

Holly Water Treatment Plant Administration Building- Fort Worth TX

Town of Flower Mound

Fire Station- Flower Mound TX