



W. Matthew Wilbanks

Vice President of Construction

Matthew serves as Vice President of Construction for TCS, where he oversees the Construction team. He holds a Master of Public Administration degree from the University of Georgia and a Bachelor of Science degree from the University of West Georgia. Matthew has spent nearly 20 years successfully managing projects in the pharmaceutical, biotechnology, aerospace, and advanced manufacturing industries, including single projects as large as \$500 million with 1.5 million work hours. He is recognized for his ability to build collaborative and effective teams; fostering an environment where professionals grow into top performers within the industry. This experience not only strengthens internal capabilities but also ensures clients receive exceptional value through efficient, high-quality, and predictable project outcomes.

Education

University of Georgia, Master of Public Administration

University of West Georgia, Graduate Certificate in Public Management

University of West Georgia, Bachelor of Science

Skills/Qualifications

OSHA 30hr

GSWCC Level 1A Certification

Training

Center for Creative Leadership

Areas of Experience

Mechanical & Process

Project Management

Design & Construction Operations

Design-Build & IPD

Team Building & Leadership

Cost/Budget Management

Schedule development & Management

Estimating

Procurement

Safety & Risk Management

Project Atlanta

Operations Director (EPCMV Services). New 600,000 SF animal vaccine manufacturing facility that included formulation, filling, packaging, storage, laboratory and office functions. \$500M TIC.

Project Quattro

Operations Director / Project Executive. Construction services to expand an existing chemical plant to increase oxidized regenerated cellulose (ORC) production. The project included a 3-level building expansion to house 2 new reactor trains plus supporting vessels and equipment. Also included was the controls integration with the existing plant's Delta V control system plus a new warehouse, office and QC lab. \$150M TIC.

Formulation, Filling & Freeze-Drying Expansion

Project Director (EPC Services). Formulation, filling, and freeze-drying expansion project. The goal of this project was to increase vaccine manufacturing capacity, which was achieved with a 45,000-square-foot expansion. The scope of work included new formulation, filling and freeze drying along with a cold-storage addition. The facility contains a high-speed filling line complete with a vial washer, depyrogenation tunnel, filler, and capper. Lyophilizers and new dedicated utility generation were also included. Supporting spaces included a new break room and gowning facility. \$60M TIC.

New PVA Film Plant

Operations Manager / Project Executive (Self-Perform Services). Completed the turn-key installation of a new film line to include installation of process equipment, process piping, and process electrical / controls. Equipment included new raw material silos, mixing system, 3 extruders, a 3-level blow film tower, and process exhaust system. \$40M TIC.

Low GWP Conversion

Operations Manager / Project Executive (Self-Perform Services). Civil and structural construction to support a process conversion to chemicals with a reduced low global warming potential. Work included the infrastructure to support a new tank, tanker unloading area, transfer pumps, pipe racks and new underground fire line with monitor hydrants. \$15M TIC.

New Battery Material Plant

Operations Manager / Project Executive (Self-Perform Services). Installed the process and utility equipment for a new greenfield chemical plant.

Fluid Bath Heater

Operations Manager / Project Executive (Self-Perform Services). Electrical and piping work to replace burners and upgrade the control system on a fluid bath heater for the main high-pressure natural gas line feeding the turbine unit.

Plant Relocation

Operations Manager / Project Executive (Self-Perform Services). Completed the turn-key relocation of 32 machines from another facility to the Thomasville plant in addition to relocating/reconfiguring 38 machines in the existing facility.

AUSS Installation

Operations Manager / Project Executive (Self-Perform Services). Completed the turn-key installation of a new automated ultrasonic scanning system including the rigging/millwright, piping and electrical.

Fiberglass Line 1 Replacement

Operations Manager / Project Executive (Self-Perform Services). Completed the turn-key installation of new equipment for the downstream portion of a fiberglass roll line including the inspection, slitter, winding and packaging systems.

Scroll Plant Relocation

Operations Manager / Project Executive (Self-Perform Services). Completed the turn-key relocation of a scroll compressor manufacturing plant from Georgia to New York.

Extruder Process Exhaust System

Project Director (EPC Services). Developed and installed a new process exhaust system. The project included adding modules to each of the existing extruders and connecting modules to a new centralized exhaust system. The modules cooled the hot gas and condensed the residual product out of the air stream before being exhausted. The new exhaust system also included integral CIP that was controlled by a new PLC system.

Expansion of Vicryl Extrusion

Project Engineer (EPC Services). Project included adding new utilities and reconfiguring an existing space to accommodate two new extrusion lines

Prototype Modular Vaccine Facility

Project Director (EPC Services). Design, fabrication, installation and qualification of a prototype modular vaccine facility that consisted of six modules that were completely fabricated offsite. Work included managing an international team from the US, Ireland and Germany.

R&D Expansion

Project Director (EPC Services) for Early Enabling Work. New 60,000 SF R&D facility that included wet-labs, dry-labs, and office space. Lab space was considered BSL-2.

IG Fractionation Expansion

Project Director (Design and Construction Management-Agent Services). Renovation to the plasma fractionation facility (Building L). The scope of work included new tanks, pumps, piping, controls and processing equipment to support debottlenecking in the process backbone and increase throughput. \$25M TIC.

New Granulator and Fluid Bed Dryer

Project Director (EPC Services). Installation of a new granulator and fluid bed dryer. Scope of work included the fit out of an existing in-process warehouse for the expansion. The lower level includes three process suites, tech space, support room, and new corridor/air locking. A new upper-level equipment platform provides mechanical space for the new AHU, process AHU, exhaust fans and dust collector.

AHU Replacement and Coating Pan Suite

Project Director (EPC Services). New tablet coating suite which included demolition of an existing manufacturing space and the installation of new HVAC systems and coating pans. The mechanical work included replacement of an existing exhaust system along with adding a new air handling unit with a structural steel platform.

QC Lab Expansion

Project Director (EPC Services). 2-story expansion consisting of offices and a second floor mechanical area along with interior renovations to the laboratory and break room facilities located within the existing building.

Cell Cube Incubator

Project Director (EPC Services) New cell incubator with associated airlock and laboratory space. The project included retrofit of an existing warehouse space and existing airlock to build out the new incubator/lab space including associated piping, new air handling units, new casework, and electrical infrastructure.

Parasitic Discovery Lab

Project Director (EPC Services). The conversion of an office space into functional lab areas to support laboratory testing of parasites. Unique aspects of the project included robotic sampling equipment to test parasites via chemical assays. Lab space was considered BSL-2.

Facility Expansion

Senior Project Manager (EPC Services). The project included building a new space for proprietary processing equipment. It also entailed building a new warehouse and installing new refrigerated and freezer rooms. Utility additions included new air compressor, new cooling equipment, new DI and HHW piping, new boiler, new UPS, and other associated utilities.

Freezer Farm

Senior Project Manager (EPC Services). The project involved building a new freezer farm for seed storage. The project included demolishing an existing area and building a new suite with associated piping, new air handling units, and electrical infrastructure. As part of the project, a new 200kW generator and new bulk LN2 tank were added in addition to extensive vacuum jacketed piping.

Tablet & Coating Suite

Senior Project Manager (EPC Services). The project included building new production suites and associated support areas. Project involved adding a new tablet press, new IBC lifts, new coater, dust collectors, air handling units and associated process piping, utility piping, duct, electrical and other infrastructure to support the new processing suites.

New Production Facility

Project Manager (General Contractor Services). The project included building a new greenfield facility with three production labs for aviation vaccines. \$10M TIC.

Freezer Dryer 8

Senior Project Manager (EPC Services). The project entailed building a new Class-A production suite and lyophilizer installation. The project included a new

custom air handling unit, a fan powered HEPA system, structural infrastructure to support new process equipment, process piping and other facility improvements.

R&D Lab

Senior Project Manager (EPC Services). Work included the demolition of three existing spaces to build a new R&D laboratory including casework, biosafety cabinets, incubators, laboratory utilities and finishes. Process equipment included a 50L bioreactor and viral concentrator. Lab space was considered BSL-2.

Production Suite Modifications

Senior Project Manager (EPC Services). The project included modifications to an existing production suite which also included adding an airlock and washroom. A completely new exhaust system and other modifications were also installed.

Isolator Lab

Project Manager (Design and Construction Management-Agent Services). Addition of a new 3,550 square-foot isolator suite to an existing facility. Lab space was considered BSL-2.

API Expansion

Project Manager (Construction Administration Services). The project included the addition of new process equipment, piping, I&C, and infrastructure required to increase production capacity. Matthew assisted the St. Louis Office with preconstruction and procurement activities. Additionally, he served as the field engineering liaison during the phase 1 shutdown. \$20M TIC.

B24 Laboratory Renovation and Utility Upgrades

Assistant Project Manager (Construction Management Services). The complete first floor renovation of the B24 building to facilitate the installation of a new laboratory. The project also included upgrades to the existing utilities including the purified water system. Matthew served as an APM during the peak construction period primarily responsible for helping supervise field operations.

GMP Gowning Upgrade

Project Engineer (EPC Services). Renovate an existing facility and adding a new GMP gowning area. Matthew was responsible for managing the general construction / architectural work on this project.

QC Lab

Senior Project Manager (EPC Services). This project consisted of building new virology and immunochemistry labs. The project included casework, biosafety cabinets, fume hoods, incubators, laboratory utilities and finishes. Lab space was considered BSL-2.

Waste Neutralization

Project Director (EPC Services). Installation of a new pump lift station and wastewater neutralization system. The system includes the ability to treat .04MGD of wastewater to ensure it is in compliance with the municipal sewer pH requirements. Work including tying into an existing process waste line, installing a new 1800 Gal lift station and installing the pH neutralization skid and all associated civil, utility and electrical infrastructure.

New Waste Water Treatment Plant

Senior Project Manager (General Contracting Services). New .04 MGD wastewater treatment plant. Work included installing a completely new facility with two (2) 53,000 Gal SBR, one (1) 24,000-Gal Digester, one (1) 51,000-Gal Equalization tank, a new boiler, sludge sterilization system, belt filter press, pumps, centralized control system as well as new aerators and transfer pump stations for the existing wastewater ponds.

.6MGD Potable Water Processing and Storage Facility

Project Manager. (EPC Services). Construction of a new 600,000-gallon water processing and storage facility. The facility included new underground distribution piping, two new 300,000-gallon AGST, new backflow prevention, tubular filters, triplex pump skid, chemical treatment system and SCADA.

Waste Collection and Neutralization System

Senior Project Manager (EPC Services). New wastewater system, including the installation of a new collection and transfer system in addition to modifications to the plant's existing neutralization system.

WWTP Refurbishment

Design Manager (Design Services). Design the retrofit of an existing WWTP to replace feed pumps for the sequencing batch reactors (SBR), redesign piping, replace SBR sludge pumps and replace mixers and decant equipment on SBR 1 & 2.

New Purified Water System

Senior Project Manager (EPC Services). New USP water system in an existing facility. Work included a new pretreatment skid, generation skid, storage tank, distribution skid and an automated distribution loop with 12 POU drops.

Clean Steam Upgrades

Senior Project Manager (EPC Services). This project doubled the plant's clean steam capacity. Work included the installation of a new clean steam generation skid, make-up water skid and new orbital welded distribution piping.

Chilled Water Upgrades

Senior Project Manager (EPC Services). The project included optimizing the existing chilled water system. Work included coupling two previously segregated secondary loops to allow for multiple modes of operation and increased energy efficiency. Additionally, as part of the project, an old chiller was replaced along with the associated primary pump, secondary pumps, condensing water pump and other components. The project also included significant control system upgrades.

Boiler Plant Expansion

Project Engineer (EPC Services). Addition to the existing boiler plant to allow for the installation of one new boiler and the addition of another boiler at a later date.

New Parking Deck

Project Engineer (General Contracting Services). This project consisted of demolishing an existing parking structure and building a new five level parking structure.

Flammable Liquid Spill Barriers

Senior Project Manager (General Contracting Services). The procurement and installation of five new Anhamm automatic liquid stop barrier systems in an existing electrically classified space.

Line 5 Modification

Project Manager (EPC Services). Addition of a new automated material/waste conveyor and modifications to an existing racking system.

Site Improvements

Project Engineer (EPC Services). The project includes building new access roads, reconstructing entrances, installing approximately 14,000 feet of perimeter fence, and installing other security devices.

McCollum Field Development

Project Engineer (EPC Services). The project includes expanding the existing airport to include a new taxiway, new ramps, and new aircraft storage facilities.

Shell Package

Project Engineer (General Contracting Services). The project included the building shell for a new aquatic facility.

New MOF Building

Project Engineer (General Contracting Services). The project included building a new office and maintenance facility.

ADA Renovation

Project Manager (General Contracting Services). Update to the existing building's public bathrooms to meet current ADA requirements.

Reconfiguration of Administrative Area

Project Engineer (EPC Services). Renovation of the office area and adding a mezzanine to an existing facility.

Boiler Replacement

Project Executive (EPC Services). The project included removing a failing Miura dual-fuel, 250 HP, water-tube boiler and replacing with a new Miura dual-fuel, 300 HP, water-tube boiler.