430 Technology Parkway
Norcross, GA 30092

KYLE R. FAIRCLOTH, P.E.
SENIOR CONSULTANT

krfaircloth@engsys.com

Kyle Faircloth is a Senior Consultant for Engineering Systems Inc. (ESi) with nearly a decade of experience in the facilities operations of semi-conductor manufacturing and data center industries. Specializing in sustaining and operation of mechanical facilities systems, he has extensive knowledge of HVAC, general exhaust, VOC and scrubbed exhaust abatement, chillers, boilers, house and process vacuum, oil free compressed air, and closed loop cooling and heating water distribution systems. Mr. Faircloth is also experienced and accomplished in energy conservation, equipment commissioning, failure recovery & root cause failure analysis, clean room operations, research & development, and data center industries. In addition to mechanical facilities, he is also experienced in fire suppression, life safety, PLCs and SCADA controls systems.

A Licensed Professional Engineer, at ESi, Kyle provides damage assessment and failure analysis following incidents involving complex mechanical systems. He has performed cause and origin investigations and engineering damage assessments on failed residential and commercial mechanical equipment relating to material deficiencies, installation or operational errors, and catastrophic failures. He has evaluated source and causes of fungal growth, moisture intrusion, as well as wind and hail roof damage. Additionally, he has managed and monitored new construction and retrofit projects and associated design documents.

Areas of Specialization

- HVAC and Refrigeration
- VOC and Scrubbed Exhaust Abatement
- Chillers & Chilled Water Pumps
- Boilers & Heating Water Pumps
- Oil Free Air Compressors
- House & Process Vacuum
- Fire Suppression Systems
- Life Safety Systems
- PLC and SCADA systems
- Equipment Failure Recovery
- Energy Conservation
- Equipment Commissioning
- Root Cause Failure Analysis
- 24/7 Sustaining and Operations
- Construction Project Management
- Facilities Major Maintenance
- Fungal Growth Assessment
- Wind & Hail Damage Assessment

Education

Dual Degree Engineering Program, Bachelor of Science, Mechanical Engineering, 2011
University of Michigan – Ann Arbor, Michigan

Dual Degree Engineering Program, Bachelor of Science, General Science Applied Physics Concentration, 2011
Morehouse College – Atlanta, Georgia

May 2022

Licensed Professional Engineer (P.E.)

State of Alabama .....P.E. License 38589
State of Florida.....P.E. License 88152
State of Georgia.....P.E. License 044858
State of Louisiana .....P.E. License 45959
State of Mississippi .....P.E. License 32237
State of North Carolina.....P.E. License 049439
State of Oregon.....P.E. License 90575PE
State of South Carolina.....P.E. License 37061
State of Tennessee.....P.E. License 122961
State of Texas.....P.E. License 141811

Professional Affiliations/Honors

National African American Insurance Association

Member, 2021 - Present

Positions Held

Engineering Systems Inc. (ESi) – Norcross, Georgia
Sr. Staff Consultant, May 2022 - Present

Envista Forensics – Lawrenceville, Georgia
Project Engineer, May 2019 – April 2022

Intel Corporation – Hillsboro, Oregon
Mechanical Facilities Engineer, July 2011 – May 2019

Intel Corporation – Hillsboro, Oregon
Mechanical Facilities Engineering Student Intern, May 2010 – September 2010

Intel Corporation – Rio Rancho, New Mexico
Mechanical Facilities Engineering Student Intern, May 2009 – September 2009

University of Michigan – Ann Arbor, Michigan
Mechanical Engineering Researcher, June 2008 – August 2008

SPAWAR (Space and Naval Warfare, USA Department of Defense) – Chesapeake, Virginia
Engineering Tech, June 2007 – September 2007

Continued Education

Advanced Fire Investigation Techniques & NFPA 1033 / 921
Envista Forensics Training Conference, 2021
FEMA E-74
Applied Technology Council, 2020