

One Group One Vision MULTIPLE SOLUTIONS

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Khos Abdi PE



Photo-Voltaic Rooftop System



DeKalb County Library



Alpharetta Medical Office Building



Senior Electrical Engineer - Mr. Abdi is a Senior Electrical Engineer with more than 40 years of experience. Throughout this career he has provided design and construction management services for a number of projects varying in complexity, size, scope and locale. He has demonstrated his expertise in low and high-voltage power distribution systems, data center power distribution systems and Static Transfer Switches as well as Fire Detection and Alarm Systems, Mass Notification Systems and Outside Plant (OSP) Communications Infrastructure. Mr. Abdi's adeptness in Secure Access Control System Infrastructure, coordination of distribution protective devices and distribution of electrical design documents with other disciplines has been integral to EDT projects. He also has designed many highway and streetscape lighting systems for municipal governments as well as private sector projects.

Select Project Experience Includes:

- Photo-Voltaic Rooftop System, EDT | Marietta, GA
- DeKalb County Library, Tucker-Reid H. Cofer Branch | Tucker, GA
- Charles Hard Elementary School | Bessemer, AL
- Alpharetta Medical Office Building | Fulton County, GA



Education

BS/Electrical Engineering/
GA Institute of Technology

MS/Electrical
Engineering/GA Institute
of Technology

Professional Registrations

GA & numerous other states

Professional Background

Mr. Abdi is a Senior Electrical Engineer with more than 40 years of experience. He has provided design and construction management services for a number of projects varying in complexity, size, scope and locale. He has demonstrated his expertise in low and high-voltage power distribution systems, data center power distribution systems with online UPS and Static Transfer Switches, Fire Detection and Alarm Systems, Mass Notification Systems, electronic security management systems including secure access control systems and telecommunications distribution systems. Mr. Abdi's adeptness in coordination of electrical design documents with other disciplines has been integral to EDT projects. He also has designed many highway and streetscape lighting systems for DOT's municipal governments as well as private sector projects.

TBUP Barracks Renovations FY11

Fort Gordon, GA

Electrical Engineer of Record - Design-Build Renovation Barracks Rehab for the integration of new structural balconies, anti-terrorism force protection, progressive collapse reinforcement, all new HVAC, plumbing, electrical, civil/site work, LEED® Silver sustainable design, with base-wide systems and controls. Each building is 61,000 SF. The total area renovated is 122,000 SF.



Cobb LINC Fuel Station and Bus Wash

Facility Improvements

Marietta, GA

EDT was selected by their teaming partners to conduct a study for needed capital improvements to the Cobb Community Transit (Cobb LINC) operations and maintenance facility for bus wash and fueling improvements. Design will include a fleet where Cobb LINC operates a large fixed route and paratransit buses from their operations and maintenance facility in Marietta. In total, Cobb LINC will need to store, fuel, wash and service up to approximately 150 transit vehicles on the Marietta maintenance facility site. EDT provided electrical distribution systems for the new CNG fueling facility and bus wash equipment. A new outdoor main distribution switchgear and on-site power generator was provided for the fueling facility.

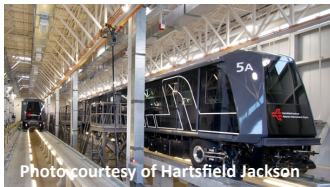
Hartsfield-Jackson Atlanta International Airport Parking Garage Atlanta, GA

Electrical Engineer of Record - for the MHJIT Parking Garage. Electrical distribution system consisting of 2 electrical rooms on the first level and satellite electrical rooms on each level for power distribution throughout the structure, backed by an on-site emergency generator. Lighting, communications and fire alarm systems were also included in EDT's scope of work. EDT helped to achieve a LEED® Silver designation for the entire MHJIT Terminal project.



CONRAC CPTC APM Hartsfield-Jackson Automated People Mover Atlanta, GA

Electrical Engineer of Record - EDT served as a sub-consultant and provided Electrical Engineering design, design coordination, construction drawings, specifications and construction administrative services. All work complied with FAA and TSA regulations, policies and procedures as well as local permitting and construction code requirements.



Tucker & Stonecrest Libraries, DeKalb County Public Library System Atlanta, GA

Electrical Engineer of Record - EDT provided Engineering Services of Civil, Structural and MEP/FP. Each Library was Single Story Building with 25,000 SF. These Libraries were Designed and Constructed to achieve LEED® Version 2.2 Certification. Performed as Project Manager and Engineer of Record for Electrical Design.



Alpharetta Medical Office Building Fulton County, GA

Electrical Engineer of Record - EDT's mechanical, electrical, structural and plumbing engineering staff designed the structures to accommodate procedure and surgical units, as well as to provide flexibility for future alternative tenant uses. We also provided all the engineering and construction services for the project. Our site design efforts included extensive analysis of the site's post-development drainage to meet the city's high standards for treatment of storm water runoff. Additional consideration included, review of the site layout to place the pond in a manner that shields it from drivers and pedestrians using Upper Hembree Road. The site consists of 2 structures: a 2-story brick MOB consisting of approximately 28,000 SF and a 1-story wood frame building of approximately 7,200 SF.





South Cobb WRF Dewatering Building Atlanta, GA

Electrical Engineer of Record - for the renovation of the dewatering process including demolition of belt filter presses and addition of new dewatering centrifuges. This project required new 13 KV underground distribution which included two 750 KVA, 13 KV/480Y/277V volt distribution transformers and two 15 KV breakers to feed the newly installed centrifuges, as well as additional double ended switchgear and motor controls and new truck loading conveying system and controls.



Special Operations Forces (SOF) Group Headquarters Ft. Bragg, NC

Electrical Engineer of Record - Mr. Abdi provided engineering services for the construction of a SOF Group Headquarters Facility consisting of training rooms, administrative work areas, conference rooms, sensitive compartmented information facilities, team rooms, latrines with showers and break rooms. This project included energy management controls, intrusion detection, CCTV surveillance, electronic access control systems and on-site emergency generator.

Centers for Disease Control & Prevention Main Campus Decatur, GA

Lead Electrical design and Construction Management for the direct replacement of medium voltage electrical distribution switchgear system.

BRAC TF-34 Engine Shop Moody AFB, GA

Electrical Engineer of Record - for design-build of a 30,700 SF engine shop consisting of high-bay area, offices, conference room, supply room, kitchen, locker rooms and wash bay/loading dock. LEED® Gold rating.



Whitley Elementary School Prichard, AL

Senior Electrical Engineer - Leading electrical design for the new 60,000 SF elementary school. The facility will be utilized for kindergarten through grade 5. The facility included administration, student classrooms, library, special education classrooms, cafeteria and gymnasium. The library also serves as the school's Safe Area for tornado protection for the students and staff.



I-520 Lighting Project Gordon Highway and Deans Bridge Rd Interchanges

Lead Electrical Engineer - for the design of high mast lighting at 2 of the major interchanges along the I-520 corridor. In addition, streetscape lighting was provided along the Deans Bridge Road and sidewalk passing under the overpass, included wall pack lighting fixtures to illuminate the walkways.