

# Anthony M. Fassett Sr.

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[Resume.pdf](#)

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**Objective:** To secure a position as an Electrical/Instrumentation/Automation Engineer that is challenging, dynamic and that offers room for growth.

[Qualifications](#) [Recent Accomplishments](#) [Experience](#) [Education](#)

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## Qualifications

I have a strong project engineering background with electrical, instrumentation and process control systems. Extensive experience with integrated AC/DC drive applications, batching and chemical transfer/storage systems, heat process equipment and power distribution of 13kV to 480V. I am proficient with AutoCAD and various PLC, DCS & HMI design software packages, ControlLogix, Automax DCS, Siemens Step 7 and Wonderware. Some experience with Honeywell Experion, LabView and C++ and VisualBasic. Extensive experience building control systems using function block, structured text and ladder logic programming languages as well as Excel and VBA scripting. I am experienced at applying NFPA 70/70E, IEC & ISA standards. Experienced at specifying instruments and devices for process control systems from P&ID drawings. I am as capable in the field as I am at system design. I consider safety to be paramount with regard to my engineered systems.

I am project oriented with ten years of E&I project engineering experience. I have twenty five years experience with industrial electrical process systems from engineered-design and installation to maintenance and trouble-shooting. I consider problem solving and smart design to be my key strengths. I can work as a leader or diligent support engineer.

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## Recent Accomplishment highlights

- Designed and issued E&I IFC package then loop-checked into Honeywell Experion DCS the following
  - Two 75 hp Danfoss VFD systems with closed loop flow control on an oil heating furnace
  - Two Fluenta flare-gas flow-meters on lines feeding a critical flare
  - Infrared and visual flare camera with analog temperature points into DCS
  - Chemical trucking container washpad with Ph analyzer, flow meter, transfer pumps, Horse power monitors, tank level management and alarms along with lighting and power.
  - Three Micromotion Elite mass flow meters with multi-variable feedback
  - Many other projects involving automated valves, control valves, level, pressure, temperature and other analyzer instruments.
- I lead the electrical portion on the installation of a large gas oven with integrated controls. The project consisted of the removal of an existing oven and integration of new oven into the vinyl sheet texturing process. This project required a detailed scope of work and project time-line planning. This was done during a scheduled plant shut-down and required 24 hour planning with strict deadlines.
- Project that involved integrating three Allen Bradley PowerFlex DC drives into an existing coating production line. This required system design and a limited interruption change over during a brief scheduled shut-down.

My role in this project was to design the system, develop system software, draw system schematics, write complete scope of work, select contractors for installation, award bids and oversee the budget of the project.

- Designed the replacement of an analog DC drive system with AB PowerFlex DC drive system. The drives were an integral part of a complex process and required seamless change over with limited down time.
  - Project consisting of 4 - 3k gallon storage tanks with liquid transfer systems from a central batching system, the integration of 8 new Allen Bradley PowerFlex 755 AC drive sections into an existing vinyl coating production line. My role in this project was to design the control and drive systems, develop system software, draw system schematics, write the scope of work for installation bids, select contractors and oversee all parts of the electrical/controls project and budget.
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## Experience

- [Albemarle Corporation](#) (Chemical Plant) 2500 N South St. Pasadena, TX 77501. 713-740-1000; From July 2014 - Present : **E&I Engineer V.** At Albemarle I design electrical, instrumentation & control systems for construction. This includes specifying instruments, applying sight standards, designing DCS and field connections and issuing a full construction package (IFC package) for the E&I installation crew. I then loop-check and commission these systems and hand them over to operations with complete documentation.
  - [Mannington Mills Inc.](#) (Vinyl sheet manufacturing) 75 Mannington Rd. Salem, NJ 08079. 856-339-3000; From December 1999 - July 2014 : **Electrical Engineer / Group Leader.** At Mannington I worked as an Electrical Engineer on various projects involving instrumentation, electronics, drives and process controls. I also lead a group of technicians providing technical support to the manufacturing group.
  - [SMC Shieldalloy Metallurgical Corporation](#) (Specialty Steel manufacturing) West Boulevard, Newfield, NJ 08344. 856-692-4200; From July 1998 - December 1999 : **Electrical & Electronics leader.** While at Shieldalloy I worked on electrical, automation and process improvement projects while leading the technician group in manufacturing support.
  - [Hensley Industries](#) (Specialty steel foundry) 2108 Joe Field Road Dallas, Texas 75229. 972-241-2321; From March 1988 - July 1998 : **Master Electrician/Foreman.** While at Hensley I ran electrical and controls projects while leading the electrical group.
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## Education and Training

- [Drexel University](#) College of Engineering Philadelphia Pa. Bachelor of Science degree in Electrical Engineering Technology. [Transcript](#). [Senior Design Project](#)
- Rowan University MI The Management Institute at the College of Business : Certificates in [Foundations in Project Management](#), [Project Management Professional Certification Review](#), [Supervisory Training](#), [Advanced Supervisory Training](#)
- [Oklahoma State University](#) - Web Handling Research Center : Certificate in [Web Handling Applications](#)
- Honeywell Process solutions - [Automation College](#): Certificate in [MXProline System Implementation MXP03-R5](#).
- Rockwell Automation: [PowerFlex 755 drive start-up and configuration](#), [Automax Maintenance and Troubleshooting](#), [Process Control with Integrated Architecture](#)
- Mitsubishi : [FX series PLC Training](#). NFPA-70E : [Electrical safety training](#). City of Dallas Master Electrician License [#1215993099 \(Expired 2001\) received 1991](#).

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