electrical manufacturing & distributors, inc.

EMD’s mission is to effectively use our experience and knowledge to allow our customers to realize a cost effective solution which is safe, maintainable and reliable.

WELCOME
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About EMD

• Established in 1984
• Privately Held Small Business – 30+ Years
• 65 employees
• Integrate a wide range of engineering services and disciplines on a design/build platform
• Turn-key engineering solutions with capabilities in the following areas:
  • Machine/Plant Upgrades
  • Hazardous area control systems
  • Site Survey/Testing/Inspection
• EMD’s customers are diversified across a range of industries:
  • Oil/Gas/Production/Midstream

EMD’s broad range of services offer businesses of every size the choice of project specific work or full turnkey solutions.
Offices

Headquartered in Wichita Falls, Texas

Strategically positioned field offices to provide Engineering, Systems Integration, Programming, and Control Panel Fabrication expertise in the areas of Oil & Gas, Refineries, Chemical Plants, Utility Plants, Power Plants, Military Bases, Schools, And many others.

- San Antonio, Texas
- Midwest City, Oklahoma
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**Industries**

**Oil and Gas**
- Production
- Gas Plants
- Compressor Stations
- Midstream Gas
- In Plant Power Generation
- Pipeline
  - Pump Stations
  - Tank Farms
  - Terminals
  - Truck Load-out Stations

**Industry Mix**

- **90%** Oil & Gas
- **10%** Other
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Workforce

• 65 Total Employees
• 5 Licensed P.E.’s
• 22 Designers
• 19 Programmers
• 5 Licensed Master Electricians
• Licensed Journeyman Electricians
• Field Superintendents
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### Full Turn-Key Capabilities

- Detailed Budgeting
- Project Management
- System Engineering
- Control System Design
- Control Panel Fabrication
- Bus Stops
- Testing
- Onsite Startup
- Documentation

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wichita falls, tx 76302 (USA)

phone: 940.322.2206
fax: 940.322.1719

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Services by Technical Discipline

- Electrical Engineers
- Electrical Designers
- Controls Engineers
- Software Engineers
- PLC/HMI Programmers
- Database Integration
- Field Supervision
- Field Services
- Panel Terminations
- Panel Fabrication
- Fiber Terminations

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Specific Automation Capabilities

**Automation Hardware Platforms**

- **PLC** – Allen Bradley, Siemens, GE Intellgent, Modicon, ROC
- **DCS Platforms** – Emerson Delta-V, Foxboro I/A

**HMI Systems**

- Wonderware, ClearSCADA, Factory Talk View, Intellution

**Flow Computers**

- OMNI, Daniels, Total Flow
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Engineering Services

Plans, Specifications, Procurement, and Turnkey Solutions
- Service Transformers & Substations
- LV & MV Switchgear & MCCs
- LV & MV VFDs and Softstarts
- PDC Building Design & Supply
- Large Motor Starting Equip. & Coor.
- Protective Relaying
- Power Factor Correction
- Instrumentation
- P&ID Drawing Development

Power Management
- Automatic Transfer Schemes
- Power System SCADA

Field Management Services
- Field Drawing / P&ID Verification
- Site Electrical Contract Management
- Cable Terminating & Hipotting
- Control Wire Terminating
- Control System Loop Checks
- Control System Startup/Commissioning
- Fiber Termination and Certification

Engineering Studies
- Relay Coordination
- Arc Flash Studies
- Harmonic Analysis & Mitigation

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PLC, DCS, SCADA, & Safety Systems

System Architecture Design
Cause and Effect Design
Equipment Selection
  • Control System Hardware/Software
  • Operator Interface Hardware/Software
Control Panels
  • Design
  • Manufacturing
    • UL 508A Certification Available

Programming
  • PLC, DCS, Safety, HMI
  • LV & MV Drives and Softstarts
  • Communication Protocols
    • Profibus, Profinet, Profibus PA
    • Modbus, Modbus\TCP
    • GPIB/IEEE488, HART

Commissioning
  • Startup
  • Troubleshooting

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Process and Discrete Automation Capabilities

- Pipeline Pumping Stations
- Terminals
- Railcar and Truck Loading
- Natural Gas Processing Plants
- Compressor Stations
- Electrical Power Generation Systems
- Data Acquisition Systems

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Automation and Controls Customers

- ExxonMobil – Crude/Products/NatGas Pipeline Stations, Product Terminals and Tank Farms, Wireless
- Sunoco Logistics – Crude/Products Pipeline Stations, Wireless
- Crestwood – NatGas, Compressor Stations
- Plains Marketing – Crude/Products Pipeline Stations, Tank Farms, Pumping Stations, Injection Sites
- Access Midstream Services—Compressor Stations

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Automation and Controls Customers

- Enlink Midstream – Compressor Stations and NatGas Plants, In-Plant Electrical Generation, PLC/DCS Process Control Systems
- Devon Energy – Compressor Stations
- Enbridge – Controls Upgrade, Compressor Stations
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EMD, Inc.
Experienced and Knowledgeable

Corporate Office – Wichita Falls, TX
1411 Twin Oaks Street
Wichita Falls, TX 76302

Oklahoma City Office
2820 Global Parkway
Midwest City, OK 73110

San Antonio Office
4706 College Park
San Antonio, TX 78249

Amarillo Business Development
Amarillo, TX

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