



**Commonwealth  
Electric Company**  
of the Midwest

**Committed to Excellence**

Columbus

Des Moines

Grand Island

Kearney

Lincoln

Omaha

Phoenix

Phoenix-Expo

Tucson

Tucson-Expo

## Commonwealth Electric **Central Engineering Services**

Commonwealth Electric is a full-service electrical and low-voltage contractor located in Arizona, Iowa, and Nebraska. CECM offers many engineering services through our Central Engineering department, which provides values to our clients and unmatched expertise to our company. Each project requires a blend of innovation, expertise, consulting and design, and collaboration. Don't be fooled, Commonwealth is anything but common. Both the company and our team of engineers are constantly striving to achieve the best and exceed the needs and expectations of our customers. Review our services on the opposite side.

### **C**USTOMERS

We are committed to excellence by helping our customers succeed by solving challenging, complex projects through innovative solutions.

### **E**MPLOYEES

We are committed to excellence through providing a safe working environment that fosters the empowerment, building, and growing of great employees.

### **C**HARACTER

We are committed to excellence through integrity, ethics, and a sense of fair play. If we do something, we do it right.

### **M**ASTERY

We are committed to excellence by being the absolute best at what we do. It is in our core to excel.

## **VIRTUAL DESIGN CONSTRUCTION (VDC)**

Full Electrical System Modeling  
Clash Detection with Navisworks  
On-Site Support  
Latest Software, including Autodesk AEC  
Collection (Revit, Navisworks, AutoCAD) and  
Bluebeam

## **TESTING**

Primary Current Injection Testing  
Transformer Turns Ratio (TTR)  
Cable Testing  
InfraRed (IR) Testing  
Power Quality Studies

## **ELECTRIC SYSTEM STUDIES**

Short Circuit Studies  
Breaker Coordination  
Arc Flash  
Load Flow  
Duct Bank Ampacities

## **DESIGN BUILD**

Conceptual Drawings  
Professional Engineer Stamped Designs  
D/B Professional Service Quotes  
Lighting Design  
Photometrics

## **AUTOMATION**

System Design  
Programming  
Networking  
HMI Programming  
UL Listed Control Panel Shop