



Electrical Commissioning

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Aaron Albritton

The commissioning (Cx) of electrical equipment and systems has become increasingly necessary given the complexity of today's grid challenges and customer expectations. Commissioning has historically been focused on HVAC systems but, with many buildings having several sources of power from the Utility, renewables, and emergency backups, it is imperative these systems are installed properly and commissioned to work as designed. Commissioning is a qualitative process for verifying systems are designed and installed per the Owner's Project Requirements (OPR). There are several organizations that certify commissioning providers and govern the Cx process. This presentation will discuss the Cx process from the inception of a project on through construction, turnover, and operations. We will also discuss the various Cx organizations and standards used when commissioning an electrical distribution system. Additionally, we will cover some specifics when performing commissioning in datacenters, airports, and other facilities. Aaron is the Mission Critical Lead for Motz Engineering and Owner of Motz Electrical Testing.

Aaron graduated from the US Navy Nuclear Power Training Command in Charleston, SC and operated the electrical power generation and distribution system on the USS Montpelier (SSN-765) Las Angeles Class Attack Submarine out of Norfolk, VA. He has worked as an industrial electrician in the steel and textile industries. Aaron is an experienced NETA 3 electrical testing technician and currently holds NICET electrical test technician, level 2 Infrared, and ASHRAE Building Commissioning Professional certifications. He has performed electrical testing and commissioning of datacenters, airports, utilities, hospitals, and various commercial/industrial facilities. Most recently, Aaron has commissioned a 14MW datacenter in Santiago, Chile and the new \$2.5 billion Terminal C project at the Orlando International Airport.

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