



## COMPANY INFORMATION

- **Company Name:** CriticalArc
- **Core Business:** Commissioning and Construction MEP Services
- **Established:** June 2014
- **Address:** 2647 Gateway Road, Suite 105-485, Carlsbad, CA 92009
- **Phone:** (619) 738-2016
- **Website:** [www.CriticalArcCx.com](http://www.CriticalArcCx.com)
- **SBE (Micro):** #1802385 - DGS
- **Principal Emails**
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  - [lsmith@criticalarccx.com](mailto:lsmith@criticalarccx.com)
  - [bagosta@criticalarccx.com](mailto:bagosta@criticalarccx.com)

## WHO WE ARE

CriticalArc, a Certified Commissioning Firm\* which thrives on large-scale projects, was founded in 2014 in Carlsbad, CA, and has staff in Northern California and throughout the American Southwest.

CriticalArc was formed because we saw a need for a detail-oriented process run by technical people. Commissioning buildings had become a cumbersome process filled with outdated modalities. We have improved the transition from the construction of a building to the operations and use of a facility.

To do this, we have done away with paper by employing electronic technology and cloud-based interfaces that increase collaboration, lower costs and maximize transparency by allowing building owners and commissioning team members to access test results, deficiencies and key performance indicators in real-time. Our approach to commissioning is tailored for busy construction team members, executives, and managers, providing useful project metrics and leading indicators, all while saving cost.

Our specialty is large, challenging projects and program-level undertakings such as airports, sports venues, and data centers. Our vision is to become the premier commissioning provider in the nation.

*\* Certified Commissioning Firm is a commissioning certification awarded by the Building Commissioning Association (BCxA) for demonstrable experience and quality in the commissioning industry.*

## WHAT WE DO



### Commissioning Focused

At CriticalArc, our team is focused on our core business, building commissioning. With this focus, we're able to provide services with the Owner's best interest in mind. In addition, we've combined decades of experience to streamline the commissioning process, build value and save facilities money.

### Large and Technical Project Experience

Our team has project experience ranging from \$90M to \$5B (total construction volume). Our projects include experience in the aviation, mission-critical, and hospitality sectors.

### Safety Priority

Our leadership is OSHA 30 trained. We adhere to all project safety procedures and we promote a safe environment.

### The Transition from Construction to Operations

Our team has commissioned multiple projects that depend on a successful overnight transition to secure operations. Successful operations require functioning systems that allow thousands of passengers to transit safely while maintaining all applicable security measures, visual and audible indicating cues, and comfort. We have a deep understanding of the importance that rides on the transition team aviation venues and intend to add value to the planning and execution of this crucial step in the process.

### Project Personnel

Our personnel is certified by renowned commissioning associations such as BCxA, ASHRAE, Univ. of Wisconsin, and the USGBC (LEED accredited) and licensed as professional engineers.

### Simplified Process

We provide a streamlined and simplified commissioning process. We know that commissioning isn't the sole focus of the project. Subsequently, we promote an executable process that is very transparent so that commissioning doesn't become a last-minute task that leads to frustration, delays, and added costs for the project team.

### Commissioning Software Application

Our team leverages a web-based commissioning software application, called CxAlloy, designed to help streamline the commissioning process. The software allows us to clearly establish the project goals early in the process for the entire project team. Our team leverages the application's data and metrics to promote organized meetings, timely issue resolution, accurate reporting, and complete transparency.

### Issue Resolution

Our team brings the experience to surface and detail important design and construction issues. Of equal importance is our ability to concisely explain these issues to the project team while also providing feasible solutions that meet the Developer's Project Requirements and Basis of Design.

### Firm Recognition

CriticalArc is designated by the Building Commissioning Association as a Certified Commissioning Firm. This certification is awarded to firms through demonstrable commissioning experience with references.



# SNAPSHOT

- **Address:** 2647 Gateway Road, Suite 105-485 Carlsbad, CA 92009
- **Business Phone:** (619) 573-7598
- **Business POC:** Justin Harder
  - jharder@CriticalArcCx.com
  - www.CriticalArcCx.com
- **Service Region:** Nationwide
- **CriticalArc LinkedIn Profile**

# CORE COMPETENCIES

## SERVICES

- New Building Commissioning
- LEED® Fundamental and Enhanced Commissioning
- CA Title 24, CALGreen Commissioning
- Existing Building Commissioning
- Retro-Commissioning
- Construction Support
- Technical Forensics
- Operations and Maintenance Planning and Integration

# NOTABLE PERFORMANCES

- **2020-2025:** SAN On-Call Commissioning provider for all campus projects, including the \$2.3B SAN T1 Redevelopment
- **2019-Present:** Los Angeles International Airport (LAX), Midfield Satellite Concourse (\$1.6B), LEED Fundamental and Enhanced Commissioning Services and MEP & Special Systems Construction Support
- **2019-2020:** Confidential Client, Sparks, NV, 30MW Datacenter Phase 1 Commissioning Services (\$600M)
- **2017-2019:** Department of Veteran Affairs, Denver VA Replacement Medical Center (\$1.4B), LEED Fundamental and Enhanced Commissioning Services and Construction Support
- **2017-2019:** San Diego International Airport (SAN), Federal Inspection Service (\$230M), LEED Fundamental and Enhanced Commissioning Services
- **2016-2019:** Tesla/Panasonic, Sparks, NV, Gigafactory 1 (\$5B+), Commissioning Management and MEP Construction Support

## SECTORS

- Aviation
- Mission Critical
- Industrial / Commercial
- Clean Room Manufacturing
- Healthcare
- Education
- Hospitality
- Office Building / High Rise

## SYSTEMS

- MEP
- Central Plants
- Security
- Baggage Handling
- Boarding Bridges
- Special Systems/LV
- Fire Alarm/Smoke Ctrl
- Fire Protection
- Building Enclosure

# CAPABILITIES STATEMENT

CriticalArc provides building commissioning and construction support services. Whether your project is pursuing LEED® certification, compliance with local energy codes or simply looking to maximize efficiency while improving occupant satisfaction, CriticalArc is your trusted partner in achieving these goals. Founded in 2014 by Justin Harder, Brian Agosta and Logan Smith, CriticalArc is dedicated to providing you with a level of service that is second to none. Contact us today to find out how we help you achieve BuildingConfidence.

# CODES & CERTIFICATIONS

- NAICS -541330 -Engineering Services
- D-U-N-S -067663866
- CAGE -89T83
- SBE (Micro) -#1802385

