

Position Description Summary

The LAX Central Utility Plant (CUP) completed a Facility Monitoring and Control System (FMCS) that is based on the Wonderware ArchestraA System Platform and an integrated Building Automation System (BAS). The FMCS networking architecture will reach out to all terminals in the Central Terminal Area (CTA) and five other facilities at LAX. The CUP incorporates industrial controls via an Allen-Bradley ControlLogix PLC platform, and air and water-side control via a Johnson Controls Incorporated (JCI) Metasys Network Automation Engine (NAE). This system was completed in 2013. The FMCS is highly complex and will require a dedicated FMCS Administrator to oversee, manage, maintain configuration, and recommend any required system changes.

Essential Job Duties

- This position will be responsible for providing the overall administrative and configuration management functions for the control systems implemented in the CUP, associated buildings in the CTA and elsewhere within LAX and additional systems as new facilities are integrated into the FMCS.
- This position will also be responsible for methodically training existing LAWA staff to proficiently and completely assume all areas of FMCS administration and management.
- The FMCS Administrator duties will include involvement in all active projects at LAX that will involve the integration of BAS and other IP-based equipment that may be intended for FMCS integration. This will include meeting with project personnel regarding the physical tie-in of their system(s) with the FMCS, and the oversight and management of the software integration into the FMCS controls within the CUP, e.g. graphic screens, data base development, and similar.
- The FMCS Administrator will be required to maintain up-to-date records of the firmware and software versions of all systems integrated within FMCS, including the current CUP-based systems.
- The FMCS Administrator will be required to work directly with LAWA's Information Management and Technology Group (IMTG), personnel associated with LAWA's Midfield Satellite Concourse (MSC) project and other future projects will integrate with the FMCS via the LAWA Multiprotocol Label Switching (MPLS) network.

Hardware/Software Knowledge

- The Administrator of LAWA's FMCS at LAX must be an experienced instrumentation and control engineer, or equivalent, who can quickly understand the FMCS and the LAX-wide BAS network. The ideal candidate will have a solid background in Wonderware HMI/SCADA, and the JCI Metasys BAS platform.
- Experience with Wonderware In-Touch and ArchestraA System Platform.

Professional Experience Level/Other Qualifications

- LAWA intends to establish a contract whereby a single individual will act as the Administrator of LAWA's FMCS at LAX for a minimum of one year. The Proposer, i.e., the proposing entity, should be the legal entity that will execute the Agreement. Such entity may be one that is newly created for the purpose of proposing on this opportunity.
- The appointed Administrator of LAWA's FMCS at LAX must have 5+ years of experience in designing, implementing, or managing similar control systems. This should include development experience with Wonderware In-Touch and ArchestraA System Platform, along with experience with BAS.
- It is necessary that the appointed Administrator of LAWA's FMCS at LAX have excellent communication skills with the ability to proficiently interact with airport operations personnel and senior management. This position will also be responsible for methodically training existing CUP staff to proficiently and completely assume all areas of FMCS administration and management.

Element-Specific Requirements/Notes

- This position would be a full time position for 5-months. After 5-months, the position has a potential of becoming a part time (2 to 3 days a week) position.
- May assume other duties as required/needed.
- May work overtime.
- May be required to work various shifts as needed.



Technical Specialist II – (FMCS Administrator)

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