

Smart Grid for Utilities and Facility Controls at NAF Atsugi, Japan

Buyer: NAVAL FAC ENGINEERING CMD FAR EAST

Description:

View Changes 27 June 2022

Amendment 0001 is hereby issued. This amendment corrects a typo on site visit information. See document N40084-22-B-8003 0001 for more information.

This project will include the provision of new DDC System at six (6) facilities at Naval Air Facility Atsugi, Japan with BACNet open protocol and an open license to be maintained by the installation. These facilities were selected based on analysis of their annual energy consumption, square footage, and potential savings from DDC, and distance to planned network backbone. For all six facilities, the DDC will provide sufficient points to monitor and control all Heating Ventilation and Air Conditioning (HVAC) chillers, fan coils, air handling units, potable hot water systems, variable air volume systems, direct expansion cooling, reheat boxes, package rooftop units, variable refrigerant flow (VRF) systems, computer room air conditioning, heat pumps, outdoor air units, boiler pumps, and package units currently installed in the facilities.

This project will provide an FRCS telecom cabinet rack to be installed inside the telecommunications room or an approved location for each of the six (6) DDC buildings. Also, provide DoD approved network equipment and cabling from DDC HVAC control system to base fiber optic connection location within the building. Provide OSP fiber optic cable. The DDC system network infrastructure must be integrated or connected to the Control System Platform Enclave (CSPE). Then, the monitoring and control will be done at the Far East Facility Energy Operations Center (FEOC), CFA Yokosuka. The demarcation point for this project is to establish the connectivity to the CSPE, however, the integration work at the Central DDC Server located at Far East Facility Energy Operations Center (FEOC), CFA Yokosuka will be established by the Government.

A DDC server is not required to be provided at the ICS work desk in PW UEM Office. The six (6) buildings will be monitored at the Far East Facility Energy Operations Center (FEOC) at CFA Yokosuka in the future. Provide DoD approved network equipment and cabling to be integrated or connected to the SCADA server network switch to be connected to the CSPE. Provide RMF requirements into the construction bid package for the SCADA system. The integration of Advanced Metering Infrastructure System is not part of the Scope of Work of this project as discussed during the project kick-off meeting and confirmed by the Smart Grid Program Manager.

In accordance with DFARS 236.204, the magnitude of this construction project is estimated between Y100,000,000/\$1,000,000 and Y500,000,000/\$5,000,000.

Class J&A for Facilities Related Control Systems (FRCS) Johnson Controls Incorporated added in accordance with FAR 5.102(a)(6).

Country:

United States

Published date:

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Deadline:

Jul 26 2022

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