

**JOB OPPORTUNITY ANNOUNCEMENT  
AVIANO AIR BASE, ITALY  
NON-U.S. APPROPRIATED FUND POSITION**

ANNOUNCEMENT NO. 34-22

OPENING DATE: 21 July 2022

CLOSING DATE: Open until filled

Applications are being accepted for the position listed below. When applying, refer to this announcement by number. For further information, contact the Aviano Civilian Personnel Office (CPO) at DSN 6328328 or commercial 0434308328. The Application Form USAFE-AFAFRICA714 can be downloaded from the CPO website [www.31fss.com/civilian-personnel-section](http://www.31fss.com/civilian-personnel-section) by clicking on "Forms and Information"; the application form will be found at the bottom of the list of document. It will need to be filled out and e-mailed with pertinent documentation to the following address: [31fw.LNstaffing@us.af.mil](mailto:31fw.LNstaffing@us.af.mil). Applicants will need to ensure they receive an e-mail from the Aviano CPO indicating that the documentation has been acquired; otherwise they will need to call immediately commercial 0434308328.

**TITLE, SERIES, GRADE AND SALARY: Mechanical Engineer, Q-0830-Q2/U1 Trainee  
(Permanent - 40 hours per week)**

**Monthly gross salary euro 3.457,68**

<b>Q-Q2</b>	BP	pm euro	1.504,63
	3EL	pm euro	1.418,39
	CONT	pm euro	534,66

**Monthly gross salary euro 2.704,23**

<b>U-01 Trainee</b>	BP	pm euro	1.153,85
	3EL	pm euro	1.019,34
	CONT	pm euro	531,04

**LOCATION: 31<sup>st</sup> Civil Engineer Squadron, Engineering Flight, Project Execution/CENMP, Aviano Air Base, Italy**

**AREA OF CONSIDERATION: Permanent Base Employees, including Temporary Overhires and Aviano Exchange Employees**

**MAJOR DUTIES:** The primary purpose of this position is to serve as a professional mechanical engineer performing design, project programming and construction management/monitoring duties in support of a military installation. Performs planning and design work for substantial multi-phase new construction, renovations and improvement projects for real property facilities, including utility systems, utilizing a professional knowledge of mechanical engineering. Prepares, develops or reviews Architectural & Engineering (A&E) design calculations, cost estimates, schedules, underlying analysis, technical drawings and specifications related to a wide variety of projects and mechanical systems, to include plumbing (potable water and sanitary sewer); heating, ventilation and air conditioning (HVAC); fire suppression, control and alarm systems; Industrial Internet Control Systems (IICS) and other systems of major size and complexity for use in multi-story office buildings, large steam plants, hospitals, hangars, flight simulators and similar structures. Work requires the adaptation of standard mechanical engineering practices on more complex features. Evaluates design objectives and identifies most economical and efficient procedures for building and utility mechanical design and performance, considering all functional and aesthetic requirements. Applies standard mechanical engineering theory and practices to assess engineering solutions without technical

instruction or guidance and identifies limits of the problems involved. Contributes to the development of graphic presentations, construction documents, engineering studies, cost estimates, Gantt charts and strategies to communicate with stakeholders. Review/develops statements of work and other documents necessary to support contract solicitation from various contracting agencies. Coordinates all design phases with appropriate stakeholders, managers and staff elements and incorporates knowledge of other engineering disciplines and architecture in development and management design concepts and projects. Provides guidance to team members, monitors their progress throughout the project, and gives input to supervisors on performance. Prepares project time schedules and cost estimates. Maintains current mechanical engineering data for assigned projects. Serves as a technical consultant/design project engineer on all design aspects of the project, and serves as technical expert in support of contract negotiation and/or contract administration. Serves on A&E selection boards and construction contract source selection boards. Acts as a project liaison with Mission Partners, Community leaders, the Army Corps of Engineers and/or other design agencies. Manages projects for new construction, renovations, and improvements to real property facilities and maintains surveillance over construction contractors utilizing a professional knowledge of mechanical engineering and knowledge of other engineering and architecture disciplines to ensure overall compliance with contracted specifications, schedules, etc. Applies professional mechanical engineering theory and practices and knowledge of other engineering disciplines to assigned projects. Utilizes mechanical engineering techniques and processes to translate complex project or program requirements into engineering solutions. Checks or reviews work on projects planned by contractors for quantities, cost, accuracy, completeness, agreement between architectural and engineering elements, sketches, and specifications. Work includes a wide variety of fund sources and scopes including Military Construction (MILCON), sustainment, repair, modernization, energy, and Unspecified Minor Military Construction (UMMC). Ability to utilize multiple contract execution vehicles to include Simplified Acquisition of Base Engineering Requirements (SABER), Multiple Award Construction Contract (MACC), indefinite delivery/ indefinite quantity (IDIQ), "full and open" contract work, and work executed by a design and/or construction agent such as the Army Corps of Engineers, NAVFAC, or AFCEC. Oversees projects which, on a recurring basis, include multi-year large scale or unique one-of-a-kind projects and perform work on airfield runways, utility systems, aircraft maintenance shops/hangars, labs, recreation facilities, administrative offices, dormitories, weapon system facilities, command facilities, infrastructure systems supporting critical military missions, etc. Performs detailed preconstruction site surveys. Provides technical review and/or prepares as-built drawings at the end of construction. Assists in evaluating construction bids for technical sufficiency. Develops or reviews specifications, schedules, and coordinates with customer to incorporate all their requirements while ensuring compliance with building codes, unified facility criteria, and all other applicable laws, regulations, and policies. Inspects and/or oversees construction to ensure compliance with contract documents and resolves differences with contractors. Prepares/reviews change orders prior to contract modifications. Serves as technical consultant on all aspects of the project to resolve challenges, coordinate actions of team members, and advise/provide updates to leadership. May be involved with Judge Advocate General's Office on contractor performance problems and provides recommendations to withhold payment if justified. Provides technical review and support to construction contract source selection boards. Plans, programs, budgets and executes required projects in support of assigned programs. Uses cost estimating tools to produce government estimates, program projects and compete for funding in Air Force corporate processes. Assesses validity, feasibility, and impacts (economic, environmental, etc.) of projects and base development actions, and integrates with overall installation plans. Performs or supports requirements programming for variety of programs such as O&M, MILCON, non-appropriated fund (NAF), military family housing (MFH), etc. Actions include validating requirements using TRIRIGA Management Software and AFI's, applying asset management principles, performing economic analysis, and coordinating with the installation facilities board. Programming actions take into account statutory and other delegated project approval authorities. Prepares short and long-range fiscal budgets for program activities based on the relative priorities and available funds. Ensures project programming accurately reflects requirements to ensure project scores appropriately in the Air Force Comprehensive Asset Management Plan (AFCAMP) process. Identifies requirements and assists in development of contract Statements of Work (SOWs). Participates in contract negotiations and review of contractor's proposals under guidance of Contracting Officer (CO). Provides direction, interpretation, and adaptation on applicable guidelines (i.e. AFIs, UFC) for project implementation. Reviews and concurs on contract deliverables and confirms project progress. Advises on contract modifications or adjustments for CO approval. Guides projects to completion within contract cost, schedule, and budget. Identifies and resolves project issues and analyzes effectiveness of

solution. Tracks project status and summarizes and presents program and budget status reports as needed to leadership. Maintains compliance with Fiscal Law (i.e., appropriations) and Anti-Deficiency Act. Manages program budget within available funds and requests additional funds when needed. Performs work in facilities operations and maintenance (O&M) functions. Provides consulting services and project coordination. Coordinates projects with other engineers in a variety of disciplines, architects, and planners as well as contracting officers, tenant organization representatives, and construction agents such as from private contracting companies, Army Corps of Engineers, AF Civil Engineer Center and AF Installation Mission Support Center. Complies with health, safety, and environmental rules and procedures and performs work in a manner that enhances the safety of the work environment. For further information, please contact the Civilian Personnel Office.

Reference Office of Personnel Management (OPM) Qualification Standards.

#### **QUALIFICATIONS:**

**AT THE Q2:** Interested applicants must possess professional knowledge of engineering principles and concepts acquired through a “Laurea del vecchio ordinamento” or “Laurea di secondo livello” in the specific discipline i.e. “Ingegneria Meccanica”, plus 1 (one) year of specialized experience equivalent to the next lower grade level and which has equipped the applicant with the particular knowledge, skills, and abilities to perform the duties of the position to be filled, such as: 1) Professional knowledge of mechanical engineering concepts, principles and practices and familiarity with architectural and other engineering disciplines; 2) Knowledge of a broad range of engineering and construction standards, methods, practices and techniques, materials and equipment to determine compliance with federal, state and local codes and regulations; 3) Knowledge of automated data processing concepts, systems capabilities and economic usage to effectively accomplish assigned functions; and knowledge of program planning and budgeting cycles, financial control and budget systems and management; 4) Knowledge of aesthetic and functional design techniques and skill in preparing project documentation, to include preliminary drawings, sketches and construction drawings; 5) Ability to plan and organize work and coordinate with other engineering disciplines. Applicants must submit a copy of their university certificate from a recognized university listing all the exams and grades.

**AT THE U-01 TRAINEE LEVEL:** Interested applicants must possess professional knowledge of engineering principles and concepts acquired through a “Laurea del vecchio ordinamento” or “Laurea di secondo livello” in the specific discipline i.e. “Ingegneria Meccanica”, plus 1 (one) year of specialized experience equivalent to the next lower grade level and which has equipped the applicant with the particular knowledge, skills, and abilities to perform the duties of the position to be filled, such as: 1) Professional knowledge of mechanical engineering concepts, principles and practices and familiarity with architectural and other engineering disciplines; 2) Knowledge of a broad range of engineering and construction standards, methods, practices and techniques, materials and equipment to determine compliance with federal, state and local codes and regulations; 3) Knowledge of automated data processing concepts, systems capabilities and economic usage to effectively accomplish assigned functions; and knowledge of program planning and budgeting cycles, financial control and budget systems and management; 4) Knowledge of aesthetic and functional design techniques and skill in preparing project documentation, to include preliminary drawings, sketches and construction drawings; 5) Ability to plan and organize work and coordinate with other engineering disciplines. Applicants must submit a copy of their university certificate from a recognized university listing all the exams and grades.

Excellent command of the English language is required, subject to testing.

Applicants must be enrolled in the Engineer’s board and in the Fire Prevention certification list, as per Italian D.M. dated 5 August 2011. Applicants must submit copy of both enrollment certifications.

Applicants must possess a valid Italian Driving License type “B”.

**APPLICANTS MUST ENSURE THAT ALL QUALIFYING EXPERIENCE IS DOCUMENTED IN THEIR APPLICATION.** Experience which is not on file at the closing date of the announcement will not be considered.

**EQUAL EMPLOYMENT OPPORTUNITY:** All qualified candidates will receive equal consideration for this position without regard to race, color, sex, religion, national origin or physical handicap. The supervisor having jurisdiction over the vacancy will be responsible for selection.

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