

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

ANNOUNCEMENT NO. 33-24

OPENING DATE: 31 July 2024

CLOSING DATE: 29 August 2024

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 commercial 0434308328. The Application Form USAFE-AFAFRICA714 can be downloaded from the CPO website <https://31fss.com/civilian-personnel/> 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. 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 no later than COB Friday 30 August 2024.

**TITLE, SERIES, GRADE AND SALARY: Mechanical Engineer, Q-0830-Q2/U-01 Trainee
(Permanent - 40 hours per week)**

Monthly gross salary euro 3.679,3

Monthly gross salary euro 2.877,7

Q-Q2	BP	pm euro	1.600,78
	3EL	pm euro	1.543,86
	CONT	pm euro	534,66

U-01 Trainee	BP	pm euro	1.227,58
	3EL	pm euro	1.119,08
	CONT	pm euro	531,04

**LOCATION: 31st Civil Engineer Squadron, Operations Flight, Operations Flight, Maintenance Engineering Element/CEOER,
Aviano Air Base, Italy**

MAJOR DUTIES: The primary purpose of this position is to serve as a professional mechanical engineer performing operations and maintenance (O&M) engineering duties in support of a military installation. Performs planning and design work for substantial sustainment, modernization, repair, improvement, renovations and construction projects for real property facilities, including fire alarms, fire suppression and utility systems, utilizing a professional knowledge of mechanical engineering. Prepares, develops or reviews Architectural & Engineering (A&E) designs, 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. Projects are of considerable difficulty, containing combinations of unusual features, requiring significant departures from previous approaches. 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. Reviews or develops statements of work and other documents necessary to support contract solicitation from various contracting agencies. Coordinates necessary phases with appropriate stakeholders, managers and staff elements and incorporates knowledge of other engineering disciplines and architecture. Provides guidance to team members, monitors their progress, and gives input on performance. Maintains current mechanical engineering data for assigned projects. Serves as a technical consultant/design project engineer on planning and design aspects of the project and serves as technical expert in support of contract negotiation and/or contract administration. Acts as liaison with Mission Partners, Community leaders, the Army Corps of Engineers and/or other design agencies. Performs O&M engineering involving design and construction that encompasses the maintenance, repair, upgrade and operation of infrastructure facilities, including fire alarm systems, fire suppression and detection systems and utility systems, utilizing professional knowledge of mechanical engineering. Responsible for life cycle engineering of facilities and infrastructure of a military installation to include associated systems and subsystems. Regularly inspects, surveys, assesses and analyzes facilities to identify and project deficiencies for incorporation into the infrastructure maintenance and restoration plans to counteract wear from use and aging

and ensure code compliance of infrastructure facilities/utilities. Utilize mechanical engineering techniques and processes to decipher installation and program requirements into engineering solutions. Supports or serves as Activity Management Plan (AMP) Manager responsible for developing short- and long-range facilities and infrastructure priorities and requirements. Facility and infrastructure requirements prioritized based on risk to mission, life cycle replacement, and return on investment considering both manpower and financial resources required to sustain the asset. Ensures planned and prioritized requirements comply with published business rules so they tie into Air Force AMP framework and can be used to advocate for resources at the Air Force Corporate Board. Conducts and oversees facility or component inspections and assessments, collects and analyzes data, and formulates strategies for repair or investment. Incorporates assessment results into applicable databases and Sustainment Management Systems (SMS) on a regular basis. Utilizes mechanical engineering techniques and processes to translate project or program requirements into engineering solutions. Determines mission criticality of specific systems, facilities and components and accounts for its impact on installation and agency missions when developing replacement plans, schedules, and criteria and sustainment actions either by contract or in-house. Performs a range of engineering duties surrounding O&M functions to encompass the maintenance, repair, upgrade, and operation of a variety of infrastructure facilities and utilities. Provides engineering oversight of and integration with in-house or other labor force providing recurring maintenance, repair, O&M, and other project support. 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 short- and long-range plans, projects, and base development actions, and integrates with overall installation plans. Performs or supports requirements programming for a variety of programs such as O&M, MILCON, non-appropriated fund (NAF), military family housing (MFH), etc. Actions include validating requirements using SMS and AFI's, applying asset management principles, performing economic analysis, and coordinating with the installation facilities board. 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. Ensures AMPs and installation facility and infrastructure plans account for mission impacts and provide feasible opportunities for investment and assists in translating requirements into programmed projects. Manages projects for new construction, renovations, and improvements to real property facilities and maintains surveillance over in-house labor or construction contractors utilizing a professional knowledge of mechanical engineering and knowledge of other engineering disciplines to ensure overall compliance with project requirements. 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 for quantities, cost, accuracy, completeness, agreement between architectural and engineering elements, sketches, and specifications. Provides consulting services and project coordination. Coordinates life cycle plans, operations and maintenance initiatives and 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, etc. Applies knowledge of other disciplines to determine coordination required to ensure all design and constructability considerations and long-range planning factors have been addressed. Gathers stakeholders and leads mechanical design and analysis within the project development. Links criteria to mission features and impacts. Collects data and evaluates factors which affect the application of concepts, principles, theories, and methods required to observe, examine, measure, analyze, map, and describe physical and technical features and phenomena. Uses computers/computer software such as information management programs, SMS, Computer Aided Design and Drafting (CADD) programs, modeling and analysis software, and projects tracking programs to solve engineering problems and facilitate work. Demonstrates use of available tools to conduct data collection and field surveys. Interprets data collection results and projects the influence of these elements on the solution and recommended corrective action based upon field conditions. Performs quantitative data analysis to describe mechanical factors effecting built infrastructure sustainment and operations. Complies with health, safety, and environmental rules and procedures and performs work in a manner that enhances the safety of the work environment. Ensures federal, state, and local codes concerning health, safety, and the environment are strictly adhered to in the programming, design, and construction of real property facilities. Interpret standards, codes and policies and routinely apply them to develop project requirements, create designs and/or review design submissions. May be required to travel by military and/or civilian aircraft in the performance of official duties. For further information, please contact the Civilian Personnel Office.

Reference Office of Personnel Management (OPM) qualification standards

QUALIFICATIONS AT THE Q2 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 (U-01) 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.

QUALIFICATIONS 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 (U-02) 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.

Excellent command of the English and Italian languages is required, subject to testing.

Applicants must have passed the state exam (esame di stato). Must be able to enroll in the Board of Engineers.

Applicants must possess a valid Italian driving license type “B”.

Applicants must be able to attend/obtain and maintain required training and certifications.

The selected candidate will need to obtain the fit for duty evaluation for the specific position for which considered. The assessment will be conducted during the pre-employment medical exam, IAW Lgs. D. 81/08.

IF THE POSITION IS FILLED BELOW THE FULL PERFORMANCE LEVEL, THE SELECTED CANDIDATE MAY BE NON-COMPETITIVELY PROMOTED AFTER ALL TRAINING AND EXPERIENCE REQUIREMENTS OF THE NEXT HIGHER LEVEL HAVE BEEN MET.

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. In accordance with Art. 10, paragraph 6, of the Conditions of Employment (COE) “Making a false or misleading statement in the application for employment or in the process of being hired may be cause for separation”.

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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