

Turkey Jobs Expertini®

Electrical Inspector

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Company: Assystem

Location: Mersin

Category: other-general

Company Description

Finding solutions to climate change is the priority of the 21st century, and means switching to low-carbon energy. At Assystem, our mission is to accelerate the energy transition worldwide. To achieve this, our 7,000 Switchers combine their historical engineering expertise and project management with digital technologies.

In our 12 countries (Europe, Middle East, Asia) of operation, we are working on the production and distribution of low-carbon electricity, through the development of nuclear and renewable energies. We are also supporting the modernisation and development of energy grids, managing the setup and siting for new transmission and distribution networks, and using hydrogen to decarbonise the transport and industry sectors.

Within the framework of a contract in force with AKKUYU NÜKLEER (from the Russian Group ROSATOM), AEOS is in charge of the quality inspection of the construction and installation works related to the structures, systems and components important for nuclear safety of the 1st Nuclear Power Plant (NPP) of Turkey, of which construction is ongoing at Akkuyu site in the province of Mersin until 2028

Job Description

Electrical inspector is in charge of performing predefined checks regarding the conformity of electrical systems and equipment of the NPP buildings. These checks will concern mainly

grounding during the construction phase, then low-voltage equipment (cabinets, auxiliary electrical systems, distribution) and very low-voltage equipment (e.g. sensors, etc.) during the installation phase.

Qualifications

Additional Information

Responsibilities

Ensure that electrical works inspected are compliant with regulatory and technical requirements according to Turkish law 30024 on inspection of nuclear power plants

Ensure the traceability of the inspections performed, of the defaults and deviations observed and of the non-conformities issued

Verify the defaults, deviations or non-conformities are properly corrected

Ensure his/her inspection activities are performed in a safely manner

Duties

Take knowledge of Akkuyu NPP Project referential (norms and standards, specifications, procedures, etc.) related to the electrical systems and equipment installation works to be inspected

Review and comment the execution documentation (technical drawings, quality plans, etc.) related to the works to be inspected

Prepare the inspection on site by identifying the elementary checks to be carried out, considering the requirements defined by the Turkish Regulation 30024

Conduct the inspection on site in order to verify the compliance of the electrical works executed with the execution documentation and applicable norms and standards

Perform quality inspection related to earthing/lightning grid of buildings (e.g. resistivity, connectivity, cut-weld controls, etc.)

Conduct inspection for incoming electrical equipment on NPP worksite site to verify the conformity and the preservation conditions of the concerned material/equipment

Elaborate Work Inspection Reports in order to keep record of the content and the results of the inspection performed on site

Describe and record the defaults or deviations observed during the inspection and follow-up their resolution

Perform an assessment on the defaults and deviations recorded, and when decided, describe and write a non-conformity notification, then monitor the corresponding corrective and preventive actions

Respect the existing AEOS NCIO project Quality Assurance processes and HSE requirements

Contribute on request to the elaboration of the AEOS NCIO Project Monthly Report, by providing information on inspection activities carried out during the month

Attend, on request, internal or external technical meetings

Interfaces

Belong to the AEOS NCIO Inspection Team

Report to the Electrical Lead Inspector and follow his/her instructions

Notify the Electrical Lead Inspector of defaults, deviations and non-conformities and on their resolution status

Interface with the AEOS NCIO Project Support team, on documentation management topics and for the elaboration of the Monthly Report

Respect the instructions given by the QHSE team regarding Quality Assurance and HSE requirements

Knowledge

Good knowledge of the Regulation on grounding of electric power facilities (Official Gazette No. 24500 of August 21, 2001)

Knowledge of the following standards:

- ISO 9001 - Quality Management
- RCC-E - Design and construction rules for electrical equipment of nuclear islands
- GOST 12.1.030-81 - Electrical safety protective grounding, neutral grounding
- GOST 23216-78 - Electrical products, Storage, transportation, preservation, packing. General requirements and test methods
- IEC 6 - Nuclear power plants - Electrical equipment of the safety system

Qualification

- PUE, 6th edition, Electrical Installation Rules
- PUE, 7th edition, sections 6, 7 Rules of the device electrical installations

Fluent in Turkish - read and spoken

Fluent in English - read, spoken and written

Fluent in Russian - read, spoken (will be a plus)

Microsoft Office software (professional use)

Ability to supervise electrical and I&C commissioning tests

Behaviour

Impartial and upright

Resistance to pressure

Organised

Rigorous

Education

Graduate diploma in electrical or electronic field (High school + 4 years)

Experience

3 years in inspection and/or in quality assurance/quality control in electrical works

5 years minimum of professional experience in electrical works in construction, maintenance or industrial projects

Experience in a Russian construction project (will be a plus)

We are committed to equal treatment of candidates and promote, as well as foster all forms of diversity within our company. We believe that bringing together people with different backgrounds and perspectives is essential for creating innovative and impactful solutions. Skills, talent, and our people's ability to dare are the only things that matter!. Bring your unique contributions and help us shape the future.

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