

## Nondestructive Testing Engineer

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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

Welding & NDT Inspector is in charge of performing predefined checks regarding the conformity of welding and NDT works concerning essentially concrete reinforcements,

embedded items, steel liners, etc. during the construction phase, and steel supports, pipelines, equipment fixing, etc. during the installation phase.

### **Responsibilities:**

Ensure that the welding and NDT works inspected are compliant with regulatory and technical requirements according to the Turkish law 30024

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 welding and NDT works to be inspected

Review, surveillance, monitoring NDT inspections in accordance with approved procedures in one or more of the following methods: VT, UT, RT, LT, PT and MT

Review and comment the execution documentation (technical drawings, quality plans ...) 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 law 30024

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

Elaborate the Work Inspection Report 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

Launch when necessary independent tests on samples (i.e. welded elements), to be performed by accredited laboratories and follow up the results

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

Contribute 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 Mechanical & Welding Lead Inspector and follow his/her instruction

Notify the Mechanical & Welding Lead Inspector of non-conformities and follow up on resolution of non-conformance reports

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

Communicate and exchange on a daily basis with all the stakeholders involved in the mechanical and welding works

### **Knowledge:**

Good knowledge of the following standards:

ISO 9001

ISO 3834

ISO 17660 (will be a plus)

GOST 5264-80 (will be a plus)

GOST 14771-76 (will be a plus)

SP 70.13330-2012 (will be a plus)

Russian PNAE 10-031-92 (will be a plus)

Russian PNAE 10-032-92 (will be a plus)

Russian PNAE G-7-010-89 (will be a plus)

Fluent in English - read, spoken and written

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

Microsoft Office software (professional use)

**Skills:**

Ability to quickly understand technical requirements (e.g. specifications, drawings, codes, norms)

Ability to write technical documents and reports

Good written and verbal communication skills

Ability to communicate proactively in a multicultural environment

Ability to meticulously observe in order to detect non-compliances

**Behaviour:**

Impartial and upright: capacity to stay neutral and to perform independent inspection.

Resistance to pressure from others in order not to deviate from quality and safety targets.

Organized: capacity to efficiently identify and manage the element to be inspected, and to properly address the phases of inspection in due time (preparation, execution and reporting)

Rigorous: able to collect and record justifications to support results of inspection

## Qualifications

Undergraduate diploma in mechanical field (High school + 4 years)

Specialization in welding & NDT

3 years in inspection and/or in quality assurance/quality control in mechanical and welding engineering

5 years minimum of professional experience in mechanical and welding engineering

Experience in construction or industrial projects

Experience in a Russian construction project

Valid certifications in non-destructive testing methods from VT, UT, RT, LT, PT and XXXXXXXXXX DST R50.

Driving license mandatory

Military service completed

Flexibility in working time due to construction site necessities

## Additional Information

Nous nous engageons au respect de l'égalité de traitement entre les candidats, et célébrons toutes les formes de diversité. Chez Assystem, seules les compétences comptent ! Si vous souhaitez porter à la connaissance d'Assystem une quelconque situation ou des besoins spécifiques, n'hésitez pas vous serez accompagné(e) !

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