Hellenic Accreditation System

Annex F1/3 to the Certificate No. **1291**

SCOPE of ACCREDITATION

of the

Laboratory

of the

ATOM TECHNOSYSTEM
SINGLE MEMBER SOCIETE ANONYME
ATOM TECHNOSYS

Materials / Products to be tested	**Types of test / Properties to be measured**	**Applied Methods / Techniques to be used**
Non Destructive Tests		
Metallic Materials / Welds, Casting, Forgings	1. Magnetic particle testing by the use of portable electromagnetic equipment (yoke). Examination for surface discontinuities.	EN ISO 17638: 2016 Non-destructive examination of welds – Magnetic particle testing of welds. ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 7: Magnetic particle examination.
Metallic Materials / Welds, Casting, Forgings	2. Liquid penetrant testing. Examination for surface discontinuities.	EN ISO 3452-1: 2021 Non-destructive testing – Penetrant testing – Part 1: General principles. ASTM E1417/E1417M-21e1 Standard practice for Liquid Penetrant Testing. ASTM E165/E165M-18 Standard practice for Liquid Penetrant Testing for General Industry. ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 6: Liquid penetrant examination.

Materials / Products to be tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Metallic materials / Welds	3. Ultrasonic testing Examination for discontinuities and thickness measurement.	ISO 16810: 2012 Non-destructive testing. Ultrasonic testing. General principles. EN ISO 17640: 2018 Non-destructive testing of welds – Ultrasonic testing - Techniques, testing levels and assessment. ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 4: Ultrasonic examination methods for in-service inspection. Article 5: Ultrasonic examination methods for materials and fabrication. ASTM E797/E797M-21 Standard practice for measuring thickness by manual ultrasonic pulse – echo contact method.
Metallic materials / Welds	4. Ultrasonic testing Examination for discontinuities by the Phased Array Method.	EN ISO 13588: 2019 Non-destructive testing of welds. Ultrasonic testing. Use of automated phased array technology. ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 23, Appendix III: Phased Array Method.
Metallic materials / Welds	5. Examination for discontinuities by the Radiographic Method.	EN ISO 5579: 2013 Non-destructive testing. Radiographic testing of metallic materials using film and X- or gamma rays. Basic rules. ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 2: Radiographic examination. ASTM E94/E94M-22 Standard guide for radiographic examination using industrial radiographic films. ASTM E1032-19 Standard practice for radiographic examination of weldments using industrial x-ray films. EN ISO 17636-1: 2022 Non-destructive testing of welds – Radiographic testing – Part 1: X- and gamma-ray techniques with films. EN ISO 17636-2: 2022 Non-destructive testing of welds – Radiographic testing – Part 2: X- and gamma-ray techniques with digital detectors.

Materials / Products to be tested	Types of test / Properties to be measured	Applied Methods / Techniques to be used
Metallic materials / Welds	6. Visual Examination	EN ISO 17637: 2016 Non-destructive testing of welds – Visual testing of fusion welded joints. EN ISO 5817: 2023 Welding. Fusion-welded joints in steel, nickel, titanium and their alloys (beam welding excluded). Quality levels for imperfections. ASME Boiler and pressure vessel code - Section V: 2023 – Non-destructive examination. Article 9: Visual examination.
Mechanical Tests		
Metallic materials	1. Portable Hardness testing – UCI Method	ASTM A1038-19 Standard test methods for portable Hardness testing by UCI Method.

Site of assessment: **Laboratory permanent premises, Aspropyrgos, 19300 Greece**
Approved signatories: **Anastasios Archontopoulos, Ilias Zacharakis, Emmanouil Antonakakis, Eustratios Kapetanas, Vasilios Mperdelis, Andreas Sotiropoulos, Luigi-Giovanni Spiliotopoulos**

This Scope of Accreditation replaces the previous one dated February 14th, 2025.
The Accreditation Certificate No.**1291** to ELOT EN ISO/IEC 17025:2017, is valid until April 10th, 2026.

Athens, February 5th, 2026

Konstantinou Evangelos Apostolos
CEO of ESYD