Hellenic Accreditation System

Annex F1/14 to the Certificate No. **721**-4

SCOPE of ACCREDITATION

of

"GEODOMI" - K. Pantelopoulos Ltd.

Geotechnical and Quality Control Laboratory

Materials / Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
Physical Testing		
Soils	1.Laboratory determination of water (moisture) content of soil and rock by mass	ASTM D 2216-19
	2.Determination of density of cohesive soils	Technical Standard of HMEPPPW E 105-86, §3
	3.Particle-size analysis of soils. Particle size distribution using the Sedimentation (Hydrometer) Analysis	Technical Standard of HMEPPPW E 105-86, §9
	4.Determination of liquid limit, plastic limit and plasticity index of soils	ASTM D 4318-17e1
	5.Determination of specific gravity of soil solids by water pycnometer	ASTM D 854-23
	6.Determination of amount of material in soils finer than No.200 (75-μm) sieve	Technical Standard of HMEPPPW E 105-86, §8
	7.Determination of ash and organic matter of Peat and other organic soils	ASTM D 2974-20e1
	8.Determination of density and unit weight of soils in-place by the sand-cone method	Technical Standard of HMEPPPW E 106-86, §2
Rocks	Porosity and density determination of rock samples	Technical Standard of HMEPPPW E 103-84, §2, 3

Materials / Products to be tested	Types of test / Properties to be measured	Applied methods / Techniques to be used
Mechanical Testing		
Soils	1.Determination of unconfined compressive strength of cohesive soil	ASTM D2166 / D2166M-24
	2.One-dimensional consolidation properties of soils using incremental loading	ASTM D 2435 / D2435M-11(2020)
	3.Direct shear test	Technical Standard of HMEPPPW E 105-86, §16
	4.Triaxial compressive strength test on cohesive soils	Technical Standard of HMEPPPW E 105-86, §15
	5.Test for moisture – density relations of soils using 2,5 kg rammer and 305mm drop (Proctor standard method)	Technical Standard of HMEPPPW E 105 – 86, §10
	6.Test for moisture – density relations of soils using 4,54 kg rammer and 457 mm drop (Proctor modified method)	Technical Standard of HMEPPPW E 105 – 86, §11
	7.Test for California bearing ratio (CBR) of laboratory-compacted soils	Technical Standard of HMEPPPW E 105 – 86, §12
Rocks	1.Determination of compressive strength and elastic moduli of intact rock core specimens with core diameter > 90mm	ASTM D 7012-23, Method C, D ASTM D 4543-19
	2.Determination of compressive strength of intact rock core specimens	Technical Standard of HMEPPPW E 103-84, §4
	3.Determination of splitting tensile strength of intact rock core specimens	ASTM D 3967-23
	4.Determination of the point load strength index of rock	ASTM D 5731-16
	5.Performance of laboratory direct shear strength tests of rock specimens under constant normal force	ASTM D 5607-16

Site of assessment: **Permanent laboratory premises, 160 Parodos Diodorou Str., Patra, Achaia, Greece.**
Approved Signatories: **Spyropoulos Andreas, Pantelopoulos Konstantinos.**

This Scope of Accreditation replaces the previous one dated 06.03.2023.
The Accreditation Certificate No. **721**-4, to ELOT EN ISO/IEC 17025: 2017, is valid until 06.12.2027.

Athens, 11.02.2025

Konstantinou Evangelos Apostolos
CEO of ESYD