



CURRICULUM VITÆ of

MAURO DI PIERDOMENICO

Position/Title:	GEOLOGICAL and GEOTECHNICAL EXPERT
Date of Birth:	05 February 1965
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expert in applied geology, hydrogeology, soil foundations, soil and rock mechanics, environmental geology, slope protection with experience of more than 35 years both in the field and laboratory-office.

Education:

1. High School Science (1984);
2. Degree in Geological Sciences (University of Bologna, 1990) - subject of the thesis: Geomorphology applied to the study of environmental risk; geological survey, aerial photos interpretation, geomorphology dynamic analysis of the territory, human factors study, analysis of slope stability, geotechnical and hydrology.
3. Authorization to practice in University of Padua (1993)
4. Qualification Diploma of Material Engineer for Soil and Rock laboratory/site tests (1995);
5. Qualification Diploma of Material Engineer for laboratory tests on Concrete and Steel for structural purpose (2014).

Professional training:

- a) *Postgraduate Course* in Geotechnical Road, Laboratory of Soil Mechanics and Rock at the *Institute for Research and Testing Technology Ltd. Labortec*: classification and qualification of materials (earth, aggregates, fillers, natural mixed ...) - oedometric tests - ISS - swelling - direct and torsional shear tests - triaxial tests (UU, CU, CD) - Test of consolidation - Wissa - compression tests at the free lateral expansion (UCS) - Proctor compaction - CBR - Los Angeles - density in the site - load tests on the plate - Marshall. - Pescara. (1995);
- b) Professional development relating to Quality Systems and regulations Italian and foreign companies for the execution of geotechnical laboratory tests of Soil Mechanics (CNR-UNI, ASTM, AASHTO, BS) and to programs and systems of data acquisition/processing machines for testing. Course materials engineering applied to the road and geotechnical measurements in situ. Labortec LTD, Pescara (1996);
- c) SAIE92: "*Geosynthetics for construction in Earth*" Bologna 1992;
- d) GEOFLUID92: "*Soil investigation in the territorial problems; Characterization and monitoring of aquifers; Methods for cleaning up groundwater; Problems in Geo-Engineering: excavation below the water table*" - Piacenza 1992;
- e) Congress of the Italian Society Infrastructures: "*The materials in the pavement structure*" - Ancona 1996;
- f) Order of Geologists Abruzzo: "*Study Days of the themes of environmental geology: EIA applied to the earth sciences - case study the MSW landfill L'Aquila*"; the protection of groundwater in the carbonate massifs; Landslides: general - deep-seated gravitational deformations; Genetic factors of landslides and geomorphological mapping; Method of analysis of the evolution of gravitational phenomena and mapping; seriousness of the risk of landslide "- University of L'Aquila - April 1996;
- g) VI° National Congress of Applied Geology young researchers "*landslides and geological risk, hydrogeology, fluvial dynamics, Applied Geophysics, Environmental Geology, Using geographic information systems, geology and technical properties of soil*."
- j) *Conference on environmental issues and cartographic techniques applied to the evaluation of geological risk* - c/o Conference Room Pescara Airport - 16.05.2002;
- k) *Seismic micro-zoning applied to civil engineering* - University d'Annunzio, Pescara - May 2004;
- l) *Standard for Geotechnical Design*: O.R.G. 2009;

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- m) *Seismic Hazard*: O.R.G. 2009;
- n) *Former landfill reclamation areas*: O.R.G. 2009;
- o) *Use and Management of groundwater resources*: O.R.G. 2011;
- p) *Seismic and geotechnical characterization with use of the Marchetti Dilatometer SDMT*: O.R.G. 2013;
- q) Underground works in urban environment: expanding knowledge, the construction of subway lines in the city of Naples: three decades of experience: ORG Course 2014 by Prof. A. Mandolini;
- r) Postgraduate Diploma in "*Laboratory tests on concrete and steels for structural use*"(2004);
- s) *Use of Plaxis 3D Foundation: 3-Dimension Geotechnical Finite Elements Method (FEM) Modelling Software* – University of D'Annunzio, Pescara – Italy (Nov, 2019);
- t) *Safety Manager training course - HIGH RISK SECTOR*

Employment Record Relevant to the Assignment:

Period	Employing Organization and your Title/Position. Contact Information for References	Country/Place of Work	Summary of activities performed relevant to the assignment
From August 2023	BTP Infrastrutture S.p.A. (Rome - Italy) Geologist - Material Engineer	Republic of Iraq	Geologist, Material & Site Engineer for Geotechnical Investigations supporting Road and Railway Design to Develop <i>The Iraq Railway-Highway Sector In Conjunction With The Grand Faw Port Up To Turkish Border</i> (2400 km) and Rehabilitation of Existing Line (1100 km)
From July 2021 to August 2023	Profertsa Co. (Bonifica–Renardet Group) (Riyadh - KSA) Geologist - Geotechnical Engineer	Kingdom of Saudi Arabia and Italy	Geologist-Geotechnical Engineer for Roads and Bridges Design
From February 2020 to April 2021	Bonifica–Renardet Group (Manila – Philippine)) Geologist - Geotechnical Engineer	Papua New Guinea and Philippine	Geologist-Geotechnical Engineer for Slope Protection and Bridge Design
From July 2015 – to December 2019	Profertsa Co. (Bonifica–Renardet Group) (Riyadh - KSA) Geologist - Geotechnical Engineer	Kingdom of Saudi Arabia	Geologist-Geotechnical Engineer for Road and Bridges Design
From October 2008 to June 2014	Independent advisor for Soc. Labortec CSM (Pescara – Italy)	Italy	Chief of Applied Geology, Geotechnic, Soil investigation, Soil Mechanics-Rocks Departments
From June 27, 1995 to October 2008	Institute of Technological Research and Experimentation LABORTEC Ltd. (Pescara – Italy)	Italy	Material & Site Engineer for System High Speed for the Rome-Naples highway. Technical manager of surveys and on-site tests relating to the geotechnical characterization of the foundation soils, studies of slope stability and feasibility of engineering works. Search for groundwater, in situ tests: static-dynamic penetrometer Sunda; SPT; diagraphies; field-vane, pressurometer, with its interpretation
From May 1, 1997 to April 1999	ESSEGI collaborator snc Services geology of Dr. Ranalli and Dr. Orlini (Pescara – Italy)	Italy	Office and Site Geologist
From September 1999 to January 2001	Consultant from HPC-ENSR Co. (Milan – Italy)	Italy	Specializing in restoration and remediation of polluted sites and contaminated land
From February 15th 1994 to June 20th 1995	"GEOTECHNICAL s.a.s." Geologist Dr. M. D'Angelo (Pescara – Italy)	Italy	Office and Site Geologist
From September 1992 to February 1993	Technical Coworker the Company Drilling TAPOGNANI Geologist Dr. Carlo (Pescara – Italy)	Italy	Site Geologist

Language Skills:

Language	Speaking	Reading	Writing
Italian	Mother Tongue		
English	Excellent	Excellent	Excellent
Arab	Fair	-	-

LIST OF MAIN WORKS CARRIED OUT
A) APPLIED GEOLOGY: geomorphology, urban planning, environmental geology - territorial, surveys, investigations, monitoring, slope stability.
Name of project: Major Infrastructure: Adeguamento E Ammodernamento Delle Capacità Di Supporto Logistico Delle Basi Della M.M.I. - Realizzazione di un Oleodotto Sottomarino nella BASE NAVALE DI AUGUSTA Year: 2026 Location: Italy Client: Ministero Della Difesa, Direzione Dei Lavori E Del Demanio, 1° Reparto – Ufficio Di Programma <i>Basi Blu</i> Main project features: marine geological, geotechnical and seismic survey campaign Position Held: Geologist – Material Engineer Activities performed: geotechnical investigations and geological-geotechnical modelling of the site
Name of project: Major Infrastructure: Feasibility Study of environmental intervention in respect of works for the defense of the territory: Year: 1993 Location: Italy Client: Mountain Community "CASENTINO" Main project features: The project of restoration and consolidation works and hydraulic sections in <i>Sova</i> and <i>Roiesine</i> streams in Casentino area (AR): Statistical analysis of rainfall with the Gumbel method, and estimates of maximum flood discharge with the Linear model of the reservoir, field surveys. Position Held: Geologist Activities performed: geotechnical investigations and geological-geotechnical modelling of the site
Name of project: Major Infrastructure - Project of the building of the SIAC-DOOR Monteflous of <i>Bussi sul Tirino</i> (PE) Year: 1994 Location: Italy Client: MONTEDISON Main project features: Geotechnical investigations related to the consolidation project of the building of the SIAC-DOOR Monteflous, with design and verification of the bearing capacity of the works on the foundations. Position Held: Site manager for geotechnical investigations related to the consolidation project of the building Activities performed: geotechnical investigations and geological-geotechnical modelling of the site
Name of project: Major Infrastructure: Geological surveys on the New Railway Line "<i>Sangritana</i>" in Lanciano (CH) Year: 1995 Location: Italy Client: TOTO SpA, Chieti Scalo and Prof. Olivero, <i>University "La Sapienza"</i> of Rome. Main project features: The survey campaign included: Coring and continuous executions of geotechnical SPT and <i>Lefranc</i>; Classification of materials, undisturbed sampling and installation of piezometers single and double cells and <i>Casagrande</i> piezometers to a depth of -80.0 meters from ground level; Running technical assistance with installation of drilling; Contact with the contractor and the geotechnical laboratory for analysis; Site management. Position Held: Responsible for technical pipeline for the whole campaign of geological surveys Activities performed: geotechnical investigations and geological-geotechnical modelling of the site
Name of project: Major Infrastructure <i>High Speed Train System</i> from Milan to Naples: Rome-Naples (Lot 3.1) Shipyard Sparanise - Campozzillone (EC) and Shipyard <i>Colleferro</i> (Rome) Year: 1995-1996 Location: Italy Client: Ministry of Transport Main project features: Monitoring of embankments works and underground structures, both natural and artificial Galleries; measures of convergence, Cross-Hole on poles, inclinometer monitoring, cut in the rock site, dilatometer, density tests and load tests on plate; characterization of materials. Position Held: Laboratory and Site manager for geotechnical investigations and Testing Activities performed: geotechnical investigations and geological-geotechnical modelling of the site
Name of project: Major Infrastructure: Water aqueduct <i>Ruzzo</i> Year: 1997 Location: Italy Client: AQUEDUCT VOMANO - Abruzzo Region : Department for Public Works Panproject Ltd. - Essegi s.n.c. Main project features: geological and hydrogeological study of the works to support the capture and defense of water resulting from an Highway tunnel and the finding of sources of emergency and supplementary Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys Activities performed: geotechnical investigations and geological-hydrological and geotechnical modelling of the site
Name of project: Major Infrastructure: Project " Well GRUSO 1" – EDISON Year: 1997 Location: Italy Client: Edison Gas Main project features: Geological study for the location of a well for the uptaking of methane in the municipality of <i>Ferrandina</i> (MT) Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys Activities performed: geotechnical investigations and geological-geotechnical modelling of the site
Name of project: Major Infrastructure: Municipality of <i>Capriano del Colle</i> (BS) - <i>Bagnolo Mella</i> - Shaft 8 Year: 1997 Location: Italy Client: AGIP Petroleum Main project features: Geological and geotechnical study for the construction of drilling site

LIST OF MAIN WORKS CARRIED OUT
Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, design of foundation
Name of project: Major Infrastructure - Construction of a sewage treatment plant in Passo Cordone Year: 1996 Location: Italy Client: Mountain Community "VESTINA" Main project features: geological study and feasibility study for the construction of a sewage treatment plant in Passo Cordone Position Held: Responsible for the whole campaign of geological and geomorphological surveys Activities performed: geological modelling of the site
Name of project: Major Infrastructure: Geological and geotechnical study - design for the construction of the new piperack in the coastal store of Agip Petroleum <i>Ortona</i> (CH). Year: 1996 - Location: Italy Client: AGIP Petroleum Main project features: Geological and geotechnical study - design for the construction of the new piperack in the coastal store of Agip Petroleum <i>Ortona</i> (CH). Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, design of foundation
Name of project: Major Infrastructure: Bridge on the road linking VESOLA SS PV <i>Alento</i> - SS 363, based on Comino – <i>Guardiagrele</i> (CH). Year: 1998 - Location: Italy Client: Provincial Administration of Chieti Main project features: diagnosis of the structure and of materials Position Held: Responsible for the whole campaign of geological-geomorphological-hydrological-geotechnical surveys Activities performed: Geological Survey, geomorphological, hydraulic and geotechnical engineering as part of the diagnosis of the structure of materials, and functional condition of the bridge
Name of project: Major Infrastructure - Geological and geomorphological characteristics of a landslide in the area crossed by a pipeline near <i>San Nicolò al Tordino</i> (TE): Year: 1998 Location: Italy Client: Edison Gas Main project features: rehabilitation of a landslide area due to the safety of the pipeline Position Held: Responsible for the whole campaign of geological-geomorphological-hydrological-geotechnical surveys Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, design of remediation
Name of project: Major Infrastructure: 267 buildings ERP, Independent Institute of Social Housing Pescara Year: 1999 Location: Italy Client: Labortec Ltd. Main project features: stability analysis of buildings Position Held: Responsible for the whole campaign of geological-geomorphological-hydrological-geotechnical surveys Activities performed: Geological and geotechnical investigations to support the structural and static testing
Name of project: Major Infrastructure - Geological, geomorphological and hydraulic study for the accommodation of crossing of a pipeline on River <i>Vomano</i> subject to accelerated erosion in the vicinity of the <i>Vomano Torrio</i> (TE) Year: 1998 Location: Italy Client: Edison Gas Main project features: design to counter erosive phenomena Position Held: Responsible for the whole campaign of geological-geomorphological surveys Activities performed: geological-geomorphological modelling of the site, design of remediations
Name of project: Major Infrastructure - • Municipal Administration of <i>Castiglione a Casauria</i> (PE): geological and geomorphological study for the construction of the line Methanisation Year: 1996 Location: Italy Client: Municipality of <i>Castiglione a Casauria</i> (PE) Main project features: construction of a methane pipeline along natural clay hill slopes Position Held: Responsible for the whole campaign of geological-geomorphological surveys Activities performed: Analysis of morphological events and stability of natural slopes
Name of project: Major Infrastructure - Geological and geotechnical investigations for the implementation of the Helicopters Platform VV.FF. - Airport of <i>Pescara</i> (Italy) Year: 2001 Client: Provincial Fire Brigade Command Main project features: Construction of Large Concrete platform on soft and compressible soils Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, design of foundation
Name of project: Major Infrastructure - Water Supply Consortium Val <i>Pescara</i> - <i>Tavo</i> - <i>Foro</i>: Geological and geotechnical study to support the construction of a water system in the municipality of <i>Cepagatti</i> (PE). Year: 1997 Location: Italy Client: Municipality of <i>Cepagatti</i> (PE)

LIST OF MAIN WORKS CARRIED OUT
Main project features: Construction of Water Pumping Stations Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, design of foundation
Name of project: Major Infrastructure - Municipal Administration of <i>Pescara</i>: graphic design of the geological, geomorphological, hydrogeological and environmental maps of the PRG and for the Project of a new Geological Map of Risk Year: 2000 Location: Italy Client: Municipality of Pescara Main project features: execution of thematic and environmental maps Position Held: performer of geological and geomorphological surveys Activities performed: geological, geomorphological surveys, aerial photo analysis
Name of project: Major Infrastructure - Abruzzo Region - Local Education Authority: geological and geotechnical study for the construction of the New Refectory, University Faculty of Medicine (<i>University of L'Aquila</i>); <i>Coppito</i> (AQ) Year: 1999 Location: Italy Client: SIGLA s.c.ar.l. - University of L'Aquila (AQ) Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, design of foundation
Name of project: Major Infrastructure: Building of an industrial factory in the Industrial Zone, Chieti Year: 2005 Location: Italy Client: IMET srl Main project features: Building of Concrete Industrial factory Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, design of foundation Activities performed: Geological and Geotechnical study and Analysis
Name of project: Major Infrastructure: Structure of the Grand Hotel Montesilvano - <i>Montesilvano</i> (PE) Year: 2000 Location: Italy Client: PISTACCHIO Company LTD Main project features: structural stability analysis of a very high existing building on very pliable coastal deposits Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys Activities performed: Geotechnical study to support the diagnosis of disturbances that occurred in the structure of the Grand Hotel Montesilvano - <i>Montesilvano</i> (PE)
Name of project: Major Infrastructure: Viaduct <i>Bridge of Fara</i> in the municipality of Alanno - <i>Alanno</i> (PE) Year: 2000 Location: Italy Client: CONSORTIUM FOR INDUSTRIAL DEVELOPMENT - AREA OF THE VALLEY OF THE PESCARA RIVER Main project features: stability analysis of an existing embankment Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys and investigations Activities performed: Intervention Study in distress act on the road embankment and remedies for stabilization
Name of project: Major Infrastructure - Procedure for assessment n. 1134/2012 r.g. - Chairman A. Iacoboni - Court of <i>Macerata</i> (MC) Year: 2013 Location: Italy Client: Court of Macerata (MC) Main project features: analysis of the stability of a road viaduct and consolidation works Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical investigation Activities performed: Geological surveys and structural - geotechnical assessments on area of existing building, for the verification of the interaction between a tunnel-building.
Name of project: Major Infrastructure: New ARPA's Headquarters (Regional Public Bus Abruzzo), City of <i>Chieti</i> (CH). Year: 2007 Location: Italy Client: ARPA spa management - CHIETI Main project features: analysis of the geological and geomorphological compatibility of a structure located in an area subject to landslides Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys; analysis of slopes' stability; performer Hydrogeological Feasibility Study Activities performed: Geological and Hydrogeological Feasibility Study
Name of project: Major Infrastructure: Construction of a pumping station for rain water. Year: 2010 Location: Italy Client: Municipality of Pescara Main project features: Construction of an underground pumping station for rain water. Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical-seismic surveys Activities performed: Geological, Hydrogeological, Geotechnical and Seismic studies.
Name of project: Major Infrastructure - Project for the construction of a new skyscraper in <i>Milan</i> (Italy). Year: 2011 Location: Italy Client: Group Maresca

LIST OF MAIN WORKS CARRIED OUT
Main project features: construction of a skyscraper on floodplain in the Padan Valley characterized by heterogeneous and compressible soils Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical-seismic surveys Activities performed: Geological, Hydrogeological, Geotechnical and Seismic studies.
Name of project: Major Infrastructure: Water pipeline from <i>Central Petricchi</i> to the Tank of <i>Collegrande</i>, in the municipality of <i>Alanno</i> (PE) Year: 2013 Location: Italy Client: a.c.a. spa Main project features: analysis of the geological and geomorphological compatibility of a structure located in an area subject to landslides Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys; analysis of slopes' stability; performer Hydrogeological Feasibility Study Activities performed: Feasibility Geological and Hydrogeological Study in support of the project for the doubling of the existing water pipeline
B) SOIL FOUNDATION
Name of project: Major Infrastructure: Stewardship of Public Works Emilia Romagna Region: Geological and geotechnical study of the foundation framework of the barracks of G.d.F. <i>Sante Laria</i> (PARMA) Year: 1997 Location: Parma (Italy) Client: Ministry of Defence Main project features: structural and geotechnical analysis of a building for the superelevation project Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys both on site and in the laboratory Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, drawing up of the Geotechnical Report with analysis of the stability of the foundation
Name of project: Major Infrastructure - Geological and geotechnical study in supporting of the project of the <i>House of Student</i> at the <i>University d'Annunzio</i> in Chieti. Year: 1997 Location: Italy Client: <i>University d'Annunzio</i> Main project features: construction of a reinforced concrete building with underground floors under water level Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys both on site and in the laboratory Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, drawing up of the Geotechnical Report design of the foundation
Name of project: Major Infrastructure - Municipal Administration of <i>Roccamorice</i> (PE): Geological and geotechnical study for the construction of a gymnasium attached to middle school Year: 1998 Location: Italy Client: Municipal Administration of <i>Roccamorice</i> (PE) Main project features: construction of a reinforced concrete building on rock formation Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys both on site and in the laboratory Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, drawing up of the Geotechnical Report design of the foundation
Name of project: Major Infrastructure - Geological and geotechnical investigation on the foundation soils of the area 7.05 - Sub sector "B" -Lots L1 -L2- L3 -L6 - L5L the Municipality of Pescara (PE) Year: 2004 Location: Italy Client: Pratesi Real Estate Main project features: construction of buildings for civilian terraced housing Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys both on site and in the laboratory Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, drawing up of the Geotechnical Report design of the foundation
Name of project: Major Infrastructure - Fiat Engineerig (TO): Geological and geotechnical study of soils at Fiat IVECO Factory - SO.FI.M. located in <i>Foggia</i> (FG) Year: 1999 Location: Italy Client: Fiat Engineering Main project features: construction of a truck and industrial vehicle factory Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys both on site and in the laboratory Activities performed: geotechnical investigations, geological-geotechnical modelling of the site, drawing up of the Geotechnical Report design of the foundation on swelling soils
Name of project: Major Infrastructure - AUSIMONT SpA - Factory of Porto Marghera (VE): Geological and geotechnical studies to support the design of building distillation plant MEFOREX Year: 2000 Location: Italy Client: AUSIMONT s.p.a. MONTEDISON Group Main project features: construction of an industrial building for chemical operations Position Held: Responsible for the whole campaign of geological-hydrological-geotechnical surveys both on site and in the laboratory Activities performed: geotechnical investigations, geological-geotechnical modelling, Geotechnical Report design of the foundation
Name of project: Major Infrastructure - PONTE SULLO STRETTO DI MESSINA Year: 2021 - Location: Italy Client: Bonifica Group

LIST OF MAIN WORKS CARRIED OUT
Main project features: suspension bridge with a central span of 3300 metres in length, the longest single-span bridge in the world Position Held: part of a team of technicians responsible for reviewing the project and the foundation structures Activities performed: study and review of geological and geotechnical studies for the design of foundation and bridge approach works
C) SOIL ROAD
Name of project: Major Infrastructure • Director of the Laboratory of Geotechnical Road <i>Labortec Ltd.</i> Pescara: Testing of geotechnical laboratory and site qualification and study materials in the field of geotechnical road (asphalt, stone aggregates and mixtures of aggregate, Marshall tests, Deval, Los Angeles, Quarrying, Binders, site density and plate load) • Experimental projects of mixtures of mixed concrete - <i>Labortec Ltd.</i> • Experimental studies with laboratory tests on asphalt - <i>Labortec Ltd.</i> • Experimental studies with laboratory testing of construction materials for roadbeds and embankments - <i>Labortec Ltd.</i> Year: 1995 - 2008 Location: Italy Client: various customers Main project features: design of road platforms and foundations, analysis of the materials used in the projects Position Held: responsible for in situ and laboratory tests Activities performed: in situ tests and in the road geotechnical laboratory
D) HYDROGEOLOGY
Name of project: Major Infrastructure - Drilling of wells for water supply plant at the industrial site AGIP in Bonney Island, Niger Delta - Nigeria. Essegi s.n.c. Year: 1997 Location: Nigeria (Africa) Client: AGIP Petroleum Main project features: construction of wells for water supply Position Held: Office Geologist Activities performed: analysis of data from pumping tests
Name of project: Major Infrastructure - Tecnosoil Pescara: structural and hydrogeological study - test execution and processing flow performed on wells along the route of the <i>FS DEVIL Gallery</i> in loc. <i>San Vito - Ortona</i> (CH) for the study of the characteristics of the aquifer relative to the project of pumping groundwater on behalf of VIANINI WORKS. Year: 1998 Location: Italy Client: Tecnosoil Main project features: study of the characteristics of the aquifer Position Held: Office and Site Geologist Activities performed: site manager for pumping test and analysis of data from pumping tests
Name of project: Major Infrastructure - Study hydrological and hydrogeological for the realization of a plant of civil discharges on behalf of TRALFO srl – Industrial area of Cepagatti Year: 1997 Location: Italy Client: TRALFO Main project features: study of the characteristics of the aquifer Position Held: Office and Site Geologist Activities performed: hydrogeological characterization
Name of project: Major Infrastructure - MICRON ELECTRONICS ITALY - hydrogeological study and pumping test on a well intercepting the carbonate aquifer of the Group of <i>Fibreno</i> . Year: 2000 - Location: Italy Client: MICRON ELECTRONICS ITALY (Geol. A. Monaco) Main project features: study of the characteristics of the aquifer Position Held: Office and Site Geologist Activities performed: site manager for pumping test and analysis of data from pumping tests
Name of project: Major Infrastructure - ABRUZZO NATIONAL PARK - hydrogeological study of the underground system "Skeleton Cave" in the area of the Valley of the Cows - Scientific Committee for the Exploration of the Speleological Group of the Italian Alpine Club, Chamber of Pescara Year: 2001 - Location: Italy Client: ABRUZZO NATIONAL PARK Main project features: scientific research Position Held: Geologist Activities performed: study of underground water circulation in calcareous rock formations
Name of project: Major Infrastructure - hydrogeological study in the grounds of the Schlumberger headquarters WLT in <i>Santa Teresa di Spoltore</i> (PE). HPC- ENSR International, Milan Year: 2000 Location: Italy Client: Schlumberger Ltd Main project features: analysis of the state of groundwater pollution Position Held: field and office geologist Activities performed: geological, hydrological and hydrogeological analysis of the site
Name of project: Major Infrastructure - hydrogeological study in the grounds of the headquarters ITT - Automotiv in Termoli (CB) . HPCENSR International, Milan Year: 2001 Location: Italy Client: ITT

LIST OF MAIN WORKS CARRIED OUT
Main project features: analysis of the state of groundwater pollution Position Held: field and office geologist Activities performed: geological, hydrological and hydrogeological analysis of the site
Name of project: Major Infrastructure - Surveys and geological study, geological and environmental restoration, enhancement and improvement of Sources Minor in the Territory of the Province of Pescara - aca spa, Waterworks Company Consortium <i>Val Pescara Tavo Forum</i>. Year: 2002 Location: Italy Client: Waterworks Company Consortium <i>Val Pescara Tavo Forum</i> Main project features: research and exploitation of underground water resources Position Held: field and office geologist Activities performed: geological, hydrological and hydrogeological analysis of the site; study and forecast of the flow rates of the sources and of the feeding areas
E) SOIL and ROCK MECHANIC
Name of project: Major Infrastructure CONSORTIUM IRICAV 1 - <i>System HIGH SPEED Milan – Rome – Naples</i>: qualification tests and geomechanical properties of materials in underground works, embankments and cuttings (characteristics of shear strength, stress paths, deformability even on difficult materials such as tuffs, ignimbrite, pyroclastics). (Labortec Ltd) CONSORTIUM IRICAV 1 - <i>System HIGH SPEED Milan – Rome – Naples</i>: experimental studies for the qualification and design of mixtures of ground to be carried out in railway embankments. Draft aggregates and soil mixtures particularly difficult stabilized with lime and/or cement. (Labortec LTD) Year: 1995 - 1998 Location: Italy Client: Ministry of Transport Main project features: construction of high speed railway line Position Held: laboratory geologist-material engineer Activities performed: laboratory geotechnical tests on rocks and soils
Name of project: Major Infrastructure - Establishment EUR ALUMINA - Portsmouth (CA): geotechnical and geomechanical – qualification classificativa sludge alluminiferi - Labortec Ltd geotechnical laboratory tests - Labortec Ltd Year: 1997 Location: Italy Client: EURALLUMINA spa Main project features: construction of storage tanks for aluminous mud Position Held: laboratory geologist-material engineer Activities performed: laboratory geotechnical tests aluminous mud
Name of project: Major Infrastructure - Company TOTO S.p.A. - Construction of the SS 16 variant of Francavilla a Mare (CH) with the junction of the Variante di Pescara with the variant of Ortona: Triax UU tests, Compressibility Edom. IL, CU Triaxial Tests, Ratings - Labortec Ltd. Year: 2000 Location: Italy Client: TOTO spa Main project features: road construction Position Held: laboratory geologist-material engineer Activities performed: laboratory geotechnical tests on road materials
F) SURVEYING
Name of project: Major Infrastructure - Surveying with total station TOPCON and photo-interpretation of the Basin Hydropower ENEL - Alanno (PE) with associated rehabilitation project through disposal and reprofiling. Data processing and design with the help of AutoCAD software and LandCAD . Year: 1994 Location: Italy Client: ENEL Electric Energy Main project features: Position Held: field and office surveyor Activities performed: field survey, bathymetry and aerophotogrammetry
Name of project: Major Infrastructure - Survey and mapping of the areas of the establishments ITT and STS – Industrial Zone of <i>Termoli</i> (CB) Year: 2001 Location: Italy Client: ITT Main project features: analysis of the state of groundwater pollution Position Held: field and office surveyor Activities performed: field survey
Name of project: Major Infrastructure - Survey and mapping of a basin for the realization of a hill lake in the municipality of Nocciano (PE) Year: 2004 Location: Italy Client: MIANI Benito farm Main project features: construction of a hilly lake through the barrier of a small hill stream Position Held: field and office surveyor Activities performed: field survey
Name of project: Major Infrastructure - Survey and mapping of the area of <i>Furnace Gagliardi in Contrada Venna Tollo</i> (CH) Year: 2006 Location: Italy Client: Municipality of Tollo (CH)

LIST OF MAIN WORKS CARRIED OUT
Main project features: securing a former landfill Position Held: field and office surveyor Activities performed: field survey
Name of project: Major Infrastructure - Survey and mapping of the area of the Building Directorate General ARPA, Municipality of CHIETI Year: 2007 Location: Italy Client: ARPA spa management – CHIETI (CH) Main project features: New ARPA's Headquarters (Regional Public Bus Abruzzo), City of Chieti (CH). Position Held: field and office surveyor Activities performed: field survey
Name of project: Major Infrastructure - • Survey and mapping of the former municipal market; City of Spoltore (PE) Year: 2008 Location: Italy Client: Eng. Cauti (Pescara) Main project features: mapping of an existing public market Position Held: field and office surveyor Activities performed: field survey
Name of project: Major Infrastructure - Surveying and mapping of area of a basin for the construction of a lake in the hilly town of Rosciano Year: 2004 Location: Italy Client: Palombaro Farm Main project features: construction of a hilly lake through the barrier of a small hill stream Position Held: field and office surveyor Activities performed: field survey
Name of project: Major Infrastructure - Surveying and mapping of the area of a residential complex in the town of Chieti Year: 2010 Location: Italy Client: SACAB srl Main project features: mapping Position Held: field and office surveyor Activities performed: field survey
G) ENVIRONMENTAL GEOLOGY
Name of project: Major Infrastructure Surveys and chemical-environmental study of the site of the headquarters of Schlumberger in Santa Teresa di Spoltore (PE) - HPC Milan Italy Surveys and chemical-environmental study of the site of the abutments of the company in COFER Industrial Zone of <i>Sambuceto</i> (PE) - HPC Milan Italy Surveys and chemical-environmental study of the site of the plant in PROMEA, <i>Roccamontepiano</i> (PE) - HPC Milan Italy Surveys and chemical-environmental study of the site of the headquarters of ITT - Automotiv in Termoli (CB) - Italy Milan HPC Surveys and chemical- environmental study of the site of Bussi Officine AUSIMONT (PE) – HPC Milan Italy Surveys and chemical-environmental study of the site of EDISON THERMOELECTRIC near Bussi Officine (PE) - HPC Milan Italy Environmental Impact Study for the construction of a power plant in the multi-purpose of the Consortium for Industrial Development of Biferno Valley - HPC Milan Italy Surveys and chemical-environmental study of the area of BOSCH Factory, Industrial Area of Bari (BA) - Italy Milan HPC Year: 1999 - 2001 Location: various Client: various Main project features: environmental remediation of contaminated sites Position Held: field and office geologist Activities performed: geological, hydrogeological, chemical and environmental investigations
Name of project: Major Infrastructure - Preparation of Technical Standards , Content and addresses for analysis, the study, the cartographic representation and management of risk factors present in the territory of the Province of Pescara, in order to setup and prepare planning instruments and their variants, accompanied by the following papers of the province: Paper Hydrogeology; Hydrological paper; Seismotectonics paper; Charter Macrozonation Earthquake ; Map of the Roads and Infrastructure; Risk Map Plumber - Province of Pescara Census and characterization of landslides in the area of the Province of Pescara: hypothesis for monitoring those at greatest risk, analysis of the triggering thresholds for rainfall and seismic - Province of Pescara Analysis of hydrological and hydraulic regime of the main reservoirs and water courses, aimed at the development of a model of flood forecasting and flood risk - Province of Pescara Monitor No. 4 (four) large landslides located on the territory of the province of Pescara: Province of Pescara Year: 2002 Location: Italy Client: province of Pescara Main project features: environmental risk analysis Position Held: field and office geologist Activities performed: geological, hydrogeological and environmental investigations
Name of project: Major Infrastructure - • Study and research in geological, geotechnical, hydrological and hydrogeological for the Project of a rubbish- dump in the village of <i>Colle Casette</i> - Town of <i>Notaresco</i> (TE) - ECOMACS Ltd. Year: 2003 Location: Italy Client: ECOMACS srl

LIST OF MAIN WORKS CARRIED OUT
Main project features: construction of a solid urban waste landfill Position Held: field and office geologist Activities performed: geological, geotechnical, morphological investigation: geotechnical and environmental design of waste landfill
Name of project: Major Infrastructure - Geological-geomorphological and geotechnical studies to support the analysis of the instability of a building alongside Provincial Road – <i>Cugnoli-Moscufo</i> (PE) Year: 2004 Location: Italy Client: Private Main project features: analysis of landslides Position Held: field and office geologist Activities performed: geological, geotechnical, morphological investigation
Name of project: Major Infrastructure - Geological study and environmental characterization plan for the remediation of the polluted "ex <i>Furnace Gagliardi</i> " in the Valley of Venna River, City of Tollo (CH) Year: 2006 Location: Italy Client: Municipality of Tollo (CH) Main project features: safeting of polluted site Position Held: field and office geologist Activities performed: geological, morphological, hydrological-hydrogeological and environmental investigation
Name of project: Major Infrastructure - Geological and Environmental studies for the construction of a municipal cemetery - City of Roccamorice (PE) Year: 2005 Location: Italy Client: Municipality of Roccamorice (PE) Main project features: cemetery area project Position Held: field and office geologist Activities performed: geological, morphological, hydrological-hydrogeological and environmental investigation
Name of project: Major Infrastructure - Geological study and environmental characterization for remediation of a site of a petrol station FINA - City of Spoltore (PE) Year: 2009 Location: Italy Client: FINA Petroleum Stations Main project features: remediation from fuel pollution Position Held: field and office geologist Activities performed: geological, morphological, hydrological-hydrogeological and environmental investigation: design of remediations
Name of project: Major Infrastructure - Geological and Environmental studies and characterization plan for the remediation of former landfill, located in Municipality of Abbateggio (PE) Year: 2007 Location: Italy Client: Municipality of Abbateggio (PE) Main project features: remediation from waste landfill pollution Position Held: field and office geologist Activities performed: geological, morphological, hydrological-hydrogeological and environmental investigation: design of remediations
Name of project: Major Infrastructure - Geological - Geomorphological Studies for a new photovoltaic system, the City of Rosciano (PE) Year: 2008 Location: Italy Client: Private Main project features: environmental impact analysis Position Held: field and office geologist Activities performed: geological, morphological, hydrological-hydrogeological and environmental investigation: analysis of impact
H) WORKS IN FOREIGN COUNTRIES
Name of the Project: MISK ART INSTITUTE GALLERY AND STUDIO Major Infrastructure: SLOPE DEFENCE WORKS Year: 2023 Location: South Arabia [KINGDOM OF SAUDI ARABIA] Client: Misk Foundation Main project features: Rock Slopes Position Held: Geotechnical Engineer Activities performed: Rock Slope Stabilization Design for huge excavation where a building had to be located
Name of the Project: STUDY AND DESIGN OF AL FARSHA – AL REITH ROAD Major Infrastructure: VIADUCTS, INTERCHANGES AND WADI BRIDGES, SLOPE DEFENCE WORKS Year: 2025 Location: South Arabia [KINGDOM OF SAUDI ARABIA] Client: Ministry of Transport and Logistic Service Main project features: Wadi BRIDGES, VIADUCTS (from 200 m up 1.73 km), interchanges and hydraulic structures (28 Bridges total) Position Held: Geotechnical Engineer Activities performed: design of structure foundations and protections of the road slopes against landslides and erosion

LIST OF MAIN WORKS CARRIED OUT
Name of the Project: Rehabilitation Projects of existing Railway Lines from Persian Gulf (Umm Qasr) to city of Mosul Major Infrastructure: VIADUCTS, INTERCHANGE and WADI BRIDGES; TUNNEL, RAILWAY EMBANKMENTS; STATIONS and SERVICE STRUCTURES Year: 2024 - 2025 Location: Corridor from the Persian Gulf to the Turkish Border [REPUBLIC of IRAQ] Client: Ministry of Transport and Logistic Service and Iraqi Railway Main project features: Improvement and Rehabilitation of Railway line Position Held: Geologist and Geotechnical Engineer Activities performed: Geologist, Material & Site Engineer for Geotechnical Investigations supporting Road and Railway Design
Name of the Project: Consultancy services for the New Railway & Highway System from Grand Faw Port up to Turkish Border: Railway and Highway Design Major Infrastructure: VIADUCTS, INTERCHANGE and WADI BRIDGES; HIGHWAY and RAILWAY EMBANKMENTS; STATIONS and SERVICE STRUCTURES Year: 2023 – 2024 Location: Corridor from the Persian Gulf to the Turkish Border [REPUBLIC of IRAQ] Client: Ministry of Transport and Logistic Service and Iraqi Railway Main project features: design and construction of high speed Railway line; design and construction of new Highway Position Held: Geologist and Material Engineer Activities performed: Geologist, Material & Site Engineer for Geotechnical Investigations supporting Road and Railway Design
Name of the Project: STUDY AND DESIGN OF NAJIRAN - ASIR - JAZAN ROAD Major Infrastructure: VIADUCTS, INTERCHANGE AND WADI BRIDGES, SLOPE DEFENCE WORKS Year: 2021 – 2023 Location: South Arabia [KINGDOM OF SAUDI ARABIA] Client: Ministry of Transport and Logistic Service Main project features: Interchange Bridges, Viaducts (from 100 m up 2.90 km), overpasses/underpasses, interchanges and hydraulic structures (87 Bridges total) Position Held: Geotechnical Engineer Activities performed: design of structure foundations and protections of the road slopes against landslides and erosion
Name of the Project: Philippines: Bataan-Cavite Interlink BRIDGES Project Major Infrastructure: Sea BRIDGES Year: 2020 – 2021 Location: Manila Bay - Republic of the Philippines Client: Republic of the Philippines Main project features: BRIDGES to cross Manila Bay and connect the provinces of Bataan and Cavite Position Held: Renardet internal Geologist – Geotechnical Engineer Activities performed: internal revision of Geotechnical Investigation
Name of the Project: CSTB 3748: Selection 138987: LOAN 48444 - 004 PNG: Sustainable Highlands Highway Investment Program (SHHIP) - Tranche 1 - CS2 Construction Supervision for CW2 (Consulting Service Package No 2 of project procurement plan. Variation Order No 4) Major Infrastructure: SLOPE DEFENCE WORKS Year: 2020 – 2021 Location: <i>Daulo Pass</i> (Goroka Province) [PAPUA NEW GUINEA] Client: Department of Works of Independent State of Papua New Guinea Main project features: rehabilitation of a 15 Road Sections affected by Landslides and Erosions Position Held: Geotechnical Engineer Activities performed: design of protections for the defence of the road slopes against landslides and erosion
Name of project: SUSTAINABLE HIGHLANDS HIGHWAY INVESTMENT PROGRAM (SHHIP) MANGIRO - MIUNDE SECTION (CHIMBU PROVINCE) Major Infrastructure: ROAD REINSTATE WORKS Year: 2020 Location: <i>Kundiawa</i> (Chimbu Province) [PAPUA NEW GUINEA]: Client: Department of Works of Independent State of Papua New Guinea Main project features: rehabilitation of a 52 km long road section Position Held: Geotechnical Engineer Activities performed: project of protections for the defence of the road slopes
Name of project: Major Infrastructure Projects: 1) road projects of Descents of <i>Haznah</i>, <i>Ghilwa</i> and <i>Ze'Manaah</i> in the Area of Al Baha in the Asir Region (with 5 viaducts), 2) project of New Road of <i>Najran – Asir – Jazan</i> (240 km); 3) projects of <i>Camel Festival Road</i> in Riyadh Area (150 km whit 16 bridges); 4) project of <i>Dilam</i> Road (with 6 Bridges); 5) project of <i>Al Arissah</i> Link; 6) project of Interchanges in Riyadh Area; 7) project of <i>Al Lith – Makkah Road</i> with 7 Bridges); 8) project of <i>Al Gurayath</i> Interchange; 9) project of <i>Al Haeer</i> Interchange; 6) project of <i>Dibah-Tabuk</i> interchange Year: from 2015 – till 2020 Location: Kingdom of Saudi Arabia (Middle East): Client: Ministry Of Transport and Logistic Service Main project features: design of road paths and platforms Bridges/Viaducts (with a concrete and steel structure) Position Held: Geotechnical Engineer Activities performed: Geotechnical Design of Bridges Foundations and slope protection
Name of project: Major Infrastructure: Based in Bearing capacity of foundation piles according to EC 7-8 Year: 2006 Location: Atyrau [KAZAKHSTAN]: Client: PROGER S.p.A. - Pescara - ENI S.p.A (collaboration with Dr. Joseph Geol RANALLI *) Main project features: Road and BRIDGES Construction Position Held: Material and Site Engineer - Activities performed: Geotechnical Design.

LIST OF MAIN WORKS CARRIED OUT
Name of project: Major Infrastructure - Road Djema - Nioro du Sahel - km.92 [MALI] - Year: 2005 Location: Mali Client: A.I.C. Projects S.p.A. – Rome - (collaboration with Dr. Joseph Geol RANALLI). Main project features: geological and geotechnical design of the track; Design of the pavement structure in three layers (base, link, wear) based on the expected traffic in the next twenty years Position Held: Material and Site Engineer Activities performed: material analysis and selection
Name of project: Major Infrastructure Bearing capacity of foundation piles; Revision of technical specifications for tender Year: 2005 Location: TAJIKISTAN - AFGHANISTAN Client: PROGER SpA-Pescara Rizzani De Eccher Bridges - (in collaboration with Dr. Joseph Geol. RANALLI). Main project features: Road and BRIDGES Construction Position Held: Material and Site Engineer Activities performed: Geotechnical Design.
Name of project: Major Infrastructure Highway Bucharest-Constanta, Lot 3: Lehliu-Drajna (km.47): Year: 2004 Location: Romania Client: RECLAMATION S.p.A. Rome - (in collaboration with Dr. Joseph Geol RANALLI). Main project features: Road and BRIDGES Construction Position Held: Material and Site Engineer Activities performed: material selection and processing for steel and concrete BRIDGES works.
Name of project: Major Infrastructure -: Reconstruction of the "Carretera Troncal del Norte – Lot Quitasol-El Poy" (in collaboration with Dr. Joseph Geol RANALLI in ESSEGI snc) Year: 1997 - 1998 Location: EL SALVADOR (Central America) Client: A.I.C. Projects SpA – Rome - (collaboration with Dr. Joseph Geol. RANALLI in ESSEGI snc). Main project features: The order consisted of the reconstruction of a batch of 46 km. street, partly mountainous, with enlargement of the same by 6.00 m. to 12.00 mt. for change of category from secondary to primary. Issues addressed: Project of the road surface; Project support works of embankments; Project sanitizing of the slopes in landslide; Comprehensive review of the project and proposal for a new quote. Accounting S.A.L. Company Executing: Billboard Construcciones Civiles Jose Mendoza (Argentina). Amount of Work: U.S. \$. 22,500,000.00. FUNDING: Banco de Desarrollo Inter-Americano (IDB) Position Held: Material and Site Engineer Activities performed: material selection and processing for steel and concrete BRIDGES works.
Name of project: Major Infrastructure: Programme - Draft of flood protection works in the city of Montero - Department of Santa Cruz de la Sierra [BOLIVIA]. The contract was the construction of an embankment of 59 km. (in collaboration with Dr. Joseph Geol RANALLI in ESSEGI snc) Year: 1997 Location: Bolivia Client: AIC PROJECTS SpA - Rome: SEARPI-EC - (in collaboration with Dr. Joseph Geol RANALLI in ESSEGI snc). Main project features: The job consisted of geotechnical consultancy for: Programme of investigation for the procurement of material for the dam body; Study of a mixture of concrete for piles; Study of a soil mixture non-toxic chemical additive to stabilize the top of the dam; Study and design for the execution of a well for the provisioning of water to the mixture of concrete; Installing a preparatory course and laboratory geotechnical laboratory testing; Check the stability of the embankment forming the embankment. FUNDING: European Fund de Desarrollo (FED) Approximate Amount of works: €. 15,753,401.00 Position Held: Material and Site Engineer Activities performed: material analysis and selection
Name of project: Major Infrastructure: (1997) AIC PROJECTS S.p.A. - Rome: Study of technical and economic feasibility geotechnical and road-Tarijca Potosi (km.353) [BOLIVIA] (in collaboration with Dr. Joseph Geol RANALLI in ESSEGI snc). Year: 1997 Location: Bolivia Client: Ministry of Transport Main project features: Road Construction Position Held: Material and Site Engineer Activities performed: material analysis and selection

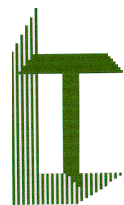
PUBLICATIONS

- LANDSLIDE and TERRITORY: Census and characterization of landslides in the area of the Province of Pescara: hypothesis tracking - Papers No. environment. 1/04 Quarterly Information Service Ecological and Civil Protection of the Province of Pescara
- A GEOLOGICAL CHARACTER GUIDELINES FOR THE PREPARATION OF ENVIRONMENTAL INSTRUMENTS AND URBAN OPTIONS (attached with the following cards of the province: Paper Hydrogeology, Hydrologic Paper; Paper Seismotectonics, Seismic Macrozonation Charter, the Charter

of Roads and Infrastructure; Risk Map plumber, Charter rainfall) - by the Office for the Protection and Development of the Territory of the Province of Pescara

Eng. DI PIERDOMENICO Mauro

A handwritten signature in blue ink, reading "Di Pierdomenico Mauro". The signature is written in a cursive, flowing style with large, connected loops.



LABORTEC C.S.E. S.r.l.

Experimental Institute of Materials and Structures

QUALIFICATION DIPLOMA

We hereby certify that the

Dr. Geol.

Di Pierdomenico Mauro

He successfully attended the training course on soil and rock laboratory tests obtaining the Diploma:

“Material Engineer for soil and rock laboratory/site tests”

Place: *Pescara (Italy)* Date: *03 May 1995*

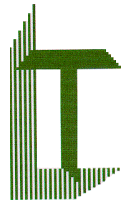
c/o Labortec C.S.E.

Durata: 4 months

Teacher
Eng. Leone Lorenzo

Director of the Course:
Eng. Angelini Virginio



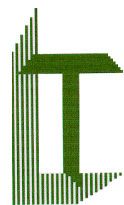


LABORTEC C.S.E. S.r.l.

Experimental Institute of Materials and Structures

Contents

- Theory on Soil and Rock Mechanics
- Analysis of the Standard Reference
- Sampling techniques
- Preparation of site and samples for tests
- Performing laboratory/site tests
- Processing of test data
- Certification of the tests performed
- Summary and conclusions



LABORTEC C.S.E. S.r.l.

Experimental Institute of Materials and Structures

QUALIFICATION DIPLOMA

We hereby certify that the

Dr. Geol.

Di Pierdomenico Mauro

He successfully attended the training course on laboratory tests on concrete and steel for structurale purpose

“laboratory tests on concrete and steel for structural purpose”

Place: *Pescara (Italy)* Date: *04 october 2014*

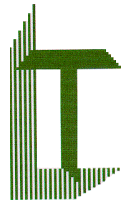
c/o Labortec C.S.E.

Durata: 30 days

Teacher
Eng. Minichilli Vincenzo

Director of the Course Eng.
Basile Andrea



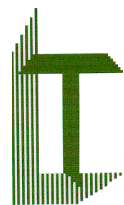


LABORTEC C.S.E. S.r.l.

Experimental Institute of Materials and Structures

Contents

- Analysis of the Standard Reference
- Preparation of samples for tests
- Performing laboratory tests on concrete cubes and steel bars with improved adhesion
- Processing of test data
- Certification of the tests performed
- Summary and conclusions



LABORTEC C.S.E. S.r.l.

Experimental Institute of Materials and Structures

QUALIFICATION DIPLOMA

We hereby certify that the

Dr. Geol.

Di Pierdomenico Mauro

He successfully attended the training course on:

“Geotechnical Design of Road Embankments”

Place: *Pescara* (Italy) Date: 13 may 2021

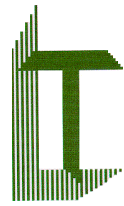
c/o Labortec C.S.E.

Period: 36 days

Teacher
Eng. Lorenzo Leone

Director of the Course Eng.
Virginio Angelini





LABORTEC C.S.E. S.r.l.

Experimental Institute of Materials and Structures

Contents

- Analysis of the Standard Reference
- Soils Classification and Behavior
- Paving and Compaction techniques
- Soil Reinforcement: Materials and Techniques
- Checks and Controls on Materials during construction
- Stability analysis of the Road Embankment

ATTESTATO

CORSO DI FORMAZIONE DEI LAVORATORI SPECIFICA - SETTORE RISCHIO ALTO (VIDEOCONFERENZA)

(Ai sensi dell'art 37 del D.lgs. n. 81/08 e s.m.i., correttivo D.Lgs. n. 106/09 e dell'Accordo Stato-Regioni, repertorio atti n. 221/CSR, del 21/12/2011)

Si certifica che

DI PIERDOMENICO MAURO

Nato/a il 05/02/1965, in Abbateggio (PE)

Profilo professionale: INGEGNERE

Settore di appartenenza: [71.12.20] SERVIZI DI PROGETTAZIONE DI INGEGNERIA INTEGRATA

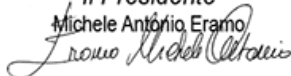
Ha frequentato il corso di formazione per CORSO DI FORMAZIONE DEI LAVORATORI SPECIFICA - SETTORE RISCHIO ALTO (VIDEOCONFERENZA) della durata di 12 ore, svoltosi in data 05/12/2023 14:00:00 (4 ore), 06/12/2023 09:00:00 (4 ore), 06/12/2023 14:00:00 (4 ore) in modalita' videoconferenza, in collaborazione tra O.P.N. ITALIA LAVORO, CNL e O.P.T. superando la verifica di apprendimento.

Soggetto Formatore

O.P.N. ITALIA LAVORO

Il Presidente

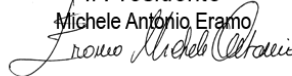
Michele Antonio Eramo



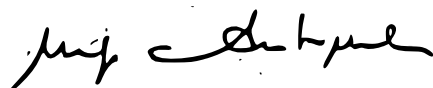
CONFEDERAZIONE CNL

Il Presidente

Michele Antonio Eramo



**CENTRO DI FORMAZIONE
AUTORIZZATO**



IL DIRETTORE DEL CORSO
L. ANTONELLI



O.N.A.S.P.I.

ORGANISMO NAZIONALE DEI PROFESSIONISTI
DELLA SICUREZZA, PRIVACY E INFORMATICA

Autorizzazione n. 328772_7/17 del 05/12/2023 - C.F. DPRMRA65B05A008Z

Attestato rilasciato il 28/12/2023 - Validita' 5 anni

Verifica l'autenticita' dell'attestato sul sito: www.opnitalialavoro.it

CONVENZIONE n. CFAL.833



Programma del corso

Programma (modalità in videoconferenza):

- Rischi infortuni;
- Meccanici generali;
- Elettrici generali;
- Macchine;
- Attrezzature;
- Cadute dall'alto;
- Rischi da esplosione;
- Rischi chimici;
- Nebbie - Oli - Fumi - Vapori - Polveri
- Etichettatura;
- Rischi cancerogeni;
- Rischi biologici;
- Rischi fisici;
- Rumore;
- Vibrazione;
- Radiazioni;
- Microclima e Illuminazione;
- Videoterminali;
- DPI Organizzazione del lavoro;
- Ambienti di lavoro;
- Stress-lavoro correlato;
- Movimentazione merci (apparecchi di sollevamento, mezzi trasporto);
- Segnaletica;
- Emergenze;
- Le procedure di sicurezza con riferimento al profilo di rischio specifico;
- Procedure esodo e incendi;
- Procedure organizzative per il primo soccorso;
- Incidenti e infortuni mancati,
- Altri rischi.

ATTESTATO

CORSO DI FORMAZIONE GENERALE PER I LAVORATORI (VIDEOCONFERENZA)

(Ai sensi dell'art. 37 commi 1 e 3, del D.Lgs. n. 81/08, correttivo D.Lgs. 106/09 e Accordo Stato-Regioni del 21 dicembre 2011.)

Si certifica che
DI PIERDOMENICO MAURO

Nato/a il 05/02/1965, in Abbateggio (PE)

Profilo professionale: PROJECT MANAGER

Settore di appartenenza: [71.12.20] SERVIZI DI PROGETTAZIONE DI INGEGNERIA INTEGRATA

Ha frequentato il corso di formazione per CORSO DI FORMAZIONE GENERALE PER I LAVORATORI (VIDEOCONFERENZA) della durata di 4 ore, svoltosi in data 05/12/2023 09:00:00 (4 ore) in modalita' videoconferenza, in collaborazione tra O.P.N. ITALIA LAVORO, CNL e O.P.T. superando la verifica di apprendimento.

Soggetto Formatore

O.P.N. ITALIA LAVORO

Il Presidente
Michele Antonio Eramo
[Firma]

CONFEDERAZIONE CNL

Il Presidente
Michele Antonio Eramo
[Firma]

**CENTRO DI FORMAZIONE
AUTORIZZATO**

[Firma]

IL DIRETTORE DEL CORSO
L. ANTONELLI

[Firma]



O.N.A.S.P.I.

ORGANISMO NAZIONALE DEI PROFESSIONISTI
DELLA SICUREZZA, PRIVACY E INFORMATICA

Autorizzazione n. 328582_4/12 del 05/12/2023 - C.F. DPRMRA65B05A008Z

Attestato rilasciato il 29/12/2023 - Validita' 5 anni

Verifica l'autenticita' dell'attestato sul sito: www.opnitalialavoro.it

CONVENZIONE n. CFAL.833





Programma del corso

Programma (modalità in videoconferenza):

Concetti di Rischio; Danno; Prevenzione; Protezione; Organizzazione della Prevenzione Aziendale; Diritti, Doveri e Sanzioni per i Vari
Soggetti Aziendali; Organi di Vigilanza, Controllo e Assistenza.
Verifica di apprendimento finale