

# DR. ENG. LUCA PINGUE

## Curriculum Vitae et Studiorum

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### Personal details

- Address: [REDACTED]
- Tel. + [REDACTED] ; Mobile: [REDACTED]
- e-mail: [REDACTED]



### Qualifications

- **Scientific High School** Diploma obtained in 1996 at "X Liceo Scientifico - Elio Vittorini", Naples. Final mark: **60/60**.
- University Degree in "**Geotechnical Engineering**", Specialisation Course: "**Soil protection**", attained on 22/07/2004 at "Federico II" Naples University with final mark **110/110**.
- Professional Practice Exam as Engineer on 31/1/2005.

### Research and Professional activities

- Graduate thesis entitled: "**The Prediction of Landslide Movements**" discussed at the Geotechnical Engineering Department of Naples "Politecnico" with Prof. Eng. Arturo Pellegrino and Prof. Eng. Gianfranco Urciuoli (Supervisors).
- **PRO.TECT.SOIL** 720 hours Postgraduate Course entitled "**Expert in subsurface defence and recovery in city environment**", academic year 2004/2005; the course was held by C.N.R. and D.I.G. (Geotechnical Engineering Department) teachers of "Federico II".Naples University
- From **September 2004** to **April 2005** employee at "**TecnoIn S.p.A.**", a company specialized in consolidation of pozzolanas through low-pressure silicate injections and in on-site and laboratory tests for soil geotechnical investigations.
- From **April 2005** to **April 2007** employee at "**ITALFERR S.p.A.**", a company located in Naples and Milan, as "*Junior Design Engineer*". In charge of design and testing of civil, geotechnical and hydraulics works for the following railway projects:

Raddoppio Caserta-Foggia 1°-2°-3° lotto (RFI)	Linea AV Bologna-Milano (RFI)
Bari S.Andrea-Bitetto (RFI)	Bretella di collegamento Bari-Taranto (RFI)
Linea a Monte del Vesuvio (RFI)	Penetrazione Urbana Napoli AV/AC (RFI)
Velocizzazione Battipaglia-Potenza-Metaponto (RFI)	

- From **May 2007** to **November 2008** employee at **LOMBARDI s.r.l.** in charge of design of civil geotechnical works for the following projects:

Quadrilatero delle Marche (ANAS)	Pontremolese (RFI)
Autostrada regionale Cremona - Mantova (Infrastrutture Lombarde)	SS 106 Jonica (ANAS)
Galleria Sorrentina (ANAS)	Diga di Cumbidanovu (Cons. di Bonifica della Sardegna Centrale)

- From **December 2008** to **December 2010**: employee at **TREVI S.p.A.**'s Middle East branch **SWISSBORING** as Geotechnical Engineer. In charge of design and testing of civil and geotechnical works, mainly for the following projects:

Palazzo Versace (Dubai) PILING WORK/TIE RODS	Ferrari Experience (Abu Dhabi) DIAPHRAGM WALLS/PILING/TIE RODS
Taweelah aluminium smelter (Abu Dhabi) PILING	Atlantis Tower (Abu Dhabi) PILING
Dubai Metro Al Sufouh (Dubai) DIAPHRAGM WALL/PILING	Waste Water Wells (Oman) PILING

- From **January 2018** to **April 2012**: employee at **TREVI S.p.A.**'s USA branch **TREVIICOS** as Technical Engineer for **Wolf Creek Dam** (KY) Foundation Remediation works Contractor US Army Corps Of Engineers, Nashville District (Low Mobility Grout / High Mobility Grout / diaphragm walls and rcs piling).
- From **May 2012** to **December 2013**: employee at **TREVI S.p.A.**'s Kuwait City branch **TREVI FOUNDATIONS KUWAIT** as Senior Geotechnical Engineer at the Technical Department for the construction of Jamal Abdul Nasser Viaduct (PILING WORKS).
- Since **January 2013**: employee at the **Design, Research and Development (DR&D) Dpt.**, TREVI S.p.A. main office in Cesena, as Technical Advisor following several jobsites, tenders and technologies. TREVI Project Coordinator for HORIZON 2020 **EU project LIQUEFACT - AMD-700748-16**

Main activities as jobsite technical advisor:

Napoli Subway - LINE 1 and LINE 6: <ul style="list-style-type: none"> <li>• Remedial works at Arco Mirelli Station</li> <li>• Artificial Ground Freezing and Compensation Grouting at Piazza Municipio Station</li> <li>• Jet Grouting at Capodichino Station</li> </ul>	Rome Subway - LINE C: <ul style="list-style-type: none"> <li>• Artificial Ground Freezing - San Giovanni Station</li> <li>• Compensation Grouting - Ambaradam Station</li> <li>• Compensation Grouting - Colosseo/Fori Imperiali Station</li> </ul>
Nuova Darsena di Levante (Napoli): Construction of Combined Barrier Walls	Nodo di Palermo: Tunnel Consolidation with jet grouting from ground level
Bolivar Dam, Ohio, United States of America, as SBQCM (Seepage Barrier Quality Control Manager). Drilling and Grouting, Cut Off Wall with Hydromill	Orogel, Cesena: CFA Rigid Inclusions for a new production plant
Perth Subway, Forestfield-Airport Link: Consolidation with jet grouting from ground level for Cross Passages	Lamborghini, Sant'Agata Bolognese: CFA piles for new building foundations
Naples Ring Road (Pozzuoli): Tunnel Consolidation with jet grouting from ground level	Port of Palermo's dry dock: Consolidations, Cement and Chemical Grouting, Jet Grouting

Main activities as technical advisor for tenders:

Suez Channel Ismailia: Artificial Ground Freezing for Cross Passages	Paris Subway: Artificial Ground Freezing for Clichy Saint-Ouen station
Perth Subway, Forestfield-Airport Link: Artificial Ground Freezing for Cross Passages	Porto Novi (Montenegro): Jet grouting for liquefaction mitigation
Nenskra Dam: cut off wall with Hydromill, drilling and grouting	Zagorskaya Hydro Power Station (Moscow): Compensation Grouting

## **Foreign Languages**

- Italian: mother tongue.
- English: fluent speaker, experience in technical reports' reading and writing. Certificates of Attendance of English courses in the UK.
- Spanish: some elementary skills (reading, writing and speaking).
- French: some elementary skills (reading, writing and speaking).

## **Computer skills**

- Operating systems: Windows NT/Windows 10.
- MS Office tools: Word, Excel, PowerPoint.
- Internet: MS Internet Explorer.
- Mail: MS Outlook, Outlook Express.
- Graphics: Photoshop.
- CAD Programs: Autocad 2004/2018.
- Geotechnical Programs: Paratie 6.0/6.2; Wallcad 6.1; PLAXIS 2015; FLAC, TEMP/W.
- Programs for slope stability: Stabl, Geoslope, MacStars, Slope/W.

## **Social and organizational skills and competences**

- Since 1988: Competitive sailing (solo-sailing or with a crew)
- Many experiences as a skipper on yachts.
- Occasional technical and safety assistant during competitive yacht races on behalf of the Italian Naval League (Naples branch) and of F.I.V. (Italian Sailing Association).

## **Hobbies**

- Sailing and motorcycling
- Cinema, sports and travelling

## **Licences**

- Cat. A3 and B Driving licences.
- Passport for sailboats' and motor yachts' driving and steering

## **Areas of interest**

- Geotechnics, hydraulics
- Environmental protection and development
- Management and disposal of waste material
- Housing and building

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