

Curriculum Vitae

- **Name: Pino CATALDO - LINTERNO**
- **Via Mariano-Pianura, 205 - Mariano di Napoli - Naples, Italy**
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- **Place and date of birth: Torre del Greco, (NA), 12/09/1947.**
- **Nationality: Italian**
- **Education: Industrial Engineer, 1967**
- **Graduated in Geology, 1977 University Federico II- Naples, Italy.**
- **Post grade in Geotechnical Engineering**
- **Languages: English, Spanish, French, Portuguese and Italian.**

Professional Experience:

The experience covers the planning, development, design, construction, maintenance and repair works of significant roads and others projects throughout the world. Supervision for construction of pile foundations for large gas reservoir, bridges and earth retaining structures. Supervision of excavation in high cut sections and in tunnel constructions. Slope stability analysis and geotechnical monitoring with interpretation and report analysis. Investigation on pavements conditions. Geotechnical investigation for the construction of embankment with swelling soils and embankment construction in swamp and marsh lands areas as well. Design and detail of different foundations and recommendations, system for open excavations, specialized field soil tests. Execution and rapport analysis of borehole investigation for water research. Investigation on borrows and quarries classification and exploitation with special attentions to the environmental aspects, investigation on pavement structures and design of pavement as well.

The projects resume includes several projects executions particularly; Haiti, Algeria, Sierra Leone, Haiti, Uganda, Mozambique, Nicaragua, Benin, Guinea, Egypt, Nicaragua, Argentina, Sierra Leone, Sudan, Chad, Somalia, Iraq, Saudi Arabia and Italy. The experience covers all the activities concerning the geotechnical laboratory for soil, for instance (Triaxial, Eodometric, Direct Shear and Permeability Test). Other test concerning roads construction CBR, Proctor, Atterberg Limits etc. etc.), concrete and bituminous concretes with special attention to the most important technical standards used in the world as well: ASTM, AASTHO, British Standards, French Standards and ISO Standards.

Significant Project Experience:

Under construction - April 2019

Groupment: TECHNIPLAN-CECOM Consulting Engineers

Via Guido d Arezzo, 14 - Rome

Geologist and Expert Geotechnical Engineer for the Contract N°: SFQC/HAL1098/2018/001- SUP

- Supervision works for the rehabilitation of the Road National n° 1- Branch:

- **Ennery - Plaisance-** Project Length 23,6 km
- Financial Authority: BID - Inter-American Development Bank
- Client: MTPTC Ministry of Works Transport and Communications.
- **Haiti Republic**

Mars 2019 - Mars 2018

INCO - Ingegneri Consulenti S.p.A.

Viale dei Parioli, 101- Rome, Italy

Geologist and Expert Geotechnical Engineer, in charge for the construction of embankment connecting the:

- **Skikda's Port to the Est-West Highway.**
- Financial Authority: Algerian Government
- Client: Ministry of Works
- **Algeria.**

February 2018 - July 2016

Studio Tecnodaf Ingegneri & Thompson Engineering

Via D. Cimarosa, 66 - Naples, Italy

Geologist and Senior Geotechnical Engineer, in charge for the Traffic Survey and relative pavement design together, with Geotechnical Investigation for the preliminary and final design project for the rehabilitation of the following roads:

- **Magburaka-Yonibana-Moyamba**, Project Length 88,6 km.;
- **Matatoka-Yele**, Project Length 35,0 km. ;
- **Yonibana-Yele-Bo**, Project Length 124,5 km;
- Financial Authority: WBDF-World Bank Development Found
- Client: SLRA - Sierra Leone Roads Authority
- **Sierra Leone**
- The scope of works included the following tasks: Core sampling and testing of the existing pavement (Asphalt and Concrete Structure). Embankment investigation and testing by the use of DCP - Dynamic Cone Penetration test. Geotechnical investigation with sampling and testing for quarry and borrows areas. Geotechnical investigation for subsurface sampling and testing for new bridges location.

Mars 2016 - November 2012

AIC Progetti - Consulting Engineers,

Via della Camilluccia 589/C- Rome, Italy.

Geologist and Geotechnical Engineer for in charge for the supervision of constructions works of the road:

- **Lascahobas-Belladere-Frontière et Bretelle de Croix-Fer** - Project length, - 30 + 1,9 km,
- Client: MTPTC - Ministry of Works Transport and Communications
- Financial Authority: Contract Fed – 2012/300-39
- **Republic of Haiti.**
- In charge also for the geotechnical investigation for the design of two ring roads namely: “Contournement de la ville de Lascahobas et de la ville de Belladère-Frontière” - Total Length 10.5 km.

August 2012 - December 2010

AIC Progetti - Consulting Engineers,

Via della Camilluccia 589/C- Rome, Italy.

Geologist and Geotechnical Engineer for the reconstruction of priority sections on the Northern Corridor - Package B, Project n° 9 ACP UG 10 of the road:

- **Masaka-Mbarara & Masaka-Kyotera Road** - Project Length 158,9 km
- Client: Ministry of Works
- Financing Authority: Europe Aid/124580/D/WKS/UG
- Contract N° EU/HW/COO4
- **Uganda**

October 2010 - August 2009

Techniplan, S.p.A

Via Guido D'Arezzo, 14 – Rome, Italy.

Chief of Mission and Team Leader, in charge for the proper conduct of the entire study during the detailed design of the Phases I and II, and principal contact person between the Design Team and the Client for the rehabilitation of the road:

- **Chimuara – Nicoadala**, - Project Length 165,6 km
- Client: MCA-ANE – Millennium Challenge Account-Mozambique
- Financing Authority- MCC – Millennium Challenge Corporation
- **Mozambique**

March 2009 – November 2004

PROINTEC, S.A.- Consulting Engineers,
Avenida de Burgos, 12 - Madrid, Spain

Chief of Mission; Contract of “Technical Assistance” for the execution of the Project Nic/B7-3100/2000/0001-Technical and Administrative assistance during the execution of the road design, the selections, during the tenders for contractor and the consultant in charge respectively for the construction and the supervision of the road. In charge therefore, to supervise the realization of the geotechnical design of the road, preparation of the Quality Control Plan to be applied during the supervision of construction works of the road:

- **El Guayacán-Jinotega**, Project length 23,7 km,
- Client: MTI - Ministry of Transport and Infrastructures
- Financing Authority: European Community
- **Nicaragua**.
- Responsibility carried out during the construction of the road:
- Investigation of technical and general specification. Investigation on pavement structures and design of pavement as well. Evaluation of tender documents. Reviewing and approving monthly certificate of payment to the Contractor. Review and evaluation claims received by the Contractor. Preparation and presentation of final reports to the Client.

September 2004 - October 2003

HYDROARCH, S.r.l. - Consulting Engineers,
Largo Somalia, 13 - Rome, Italy.

Chief of Mission and Resident Engineer, for the supervision of the rehabilitation works, - “Travaux à temps bitume intensive” of the road:

- **Djougou-Natitingou**, - Project Length 82 Km - Marché 29/MFE/MPTP/CNMP/SP
- Client and Financing Authority: MPTP – Ministry of Communications and Transport
- **Benin**.

September 2003 - February 2002

AIC Progetti - Consulting Engineers,
Via della Camilluccia 589/C- Rome, Italy.

Geologist and Senior Geotechnical Engineer in charge for the geo-technical laboratory. The scope of the work was the location and classification of the borrow pits, material testing and quality control on soils, reinforced concrete for oversized box culverts and bridges construction's, crushed base and bituminous wearing coarse for the construction of submergible embankment (submergible during the rainy season by the over flooding of Niger river) of the road:

- **Kankan-Djelibakoro**;- Marché FED n° 8ACP/GUI14 - Project Length, - 84, 2 km.
- Client. MTI – Ministry of Communications and Transport
- Financing Authority: European Community
- **Guinea**.

January 2002 - Mayo 2000

PROINTEC, S.A. - UNION FENOSA - Consulting Engineers,
Avenida de Burgos, 12 - Madrid, Spain.

Geologist and Senior Geotechnical Engineer in charge for the geo-technical investigation. The scope of the works was the material surveying, the sampling and testing. The earth moving, the boring tests, the supervision for 45m length of over 300x1.2m diameter-piles construction:

The foundations analysis and the earth retaining structures, the concrete works for large gas reservoirs and basins dredging for the construction of the L.N.G - “Liquefaction Natural Gas Plant” at port of:

- **Damietta**,
 - Project cost: 1000 millions of dollars. Financing Authority: Spanish Government.
- Egypt**

January 2000 - June 1999

PROINTEC, S.A. - Consulting Engineers,

Avenida de Burgos, 12 - Madrid, Spain.

Expert of Geology and Geotechnical Engineer in the highway infrastructures branch.

Geological and Geotechnical survey for the feasibility study for the concrete and drainage works of the road:

- **Somotillo-Santo Tomàs-Cinco Pinos-San Juan de Limay-Estelí,**
- Project Length, 103 km
- Financing Authority, CEDEX – Spain.
- **Nicaragua.**
- The feasibility study consisted in the preliminary and detailed engineering design, traffic survey with analysis and forecast, provision of structural works as well as longitudinal and transversal drainages structures, sub drains, retaining walls, pavement evaluation and material survey.
- **Geological survey for a port location along the South Atlantic Coasts.**
- Traffic survey and design of pavement by the use of AASTHO Method and geotechnical investigation for the material to be used for the road construction:
- **San Ramón-Guadalupe -Muy Muy,**
- Project Length, 55 km,
- **Nicaragua**

June 1999 - June 1996

PROINTEC, S.A. - Consulting Engineers,

Avenida de Burgos, 12 - Madrid, Spain.

Geologist and Geotechnical Engineer for the rehabilitation and construction of the following roads:

- **Matagalpa-Jinotega, (Stretch I, II, III),** -Project Length, 31km -Rehabilitation.
- **Matagalpa-El Chorrillo- Santa Emilia,** - Project Length, 17,5 km -Rehabilitation.
- **Jinotega-Pueblo Nuevo-Cuyalí,** - Project Length, 17,5km - Construction.

Construction and repair work for n° 13 bridges of the road:

- **Siuna-Rosita,** - Project Length, 70 km
- **RAAN - Región Autónoma Atlántico Norte:**
- **Nicaragua.**
- Geologist and Geotechnical Engineer, in charge for the re-design of the pavement (surface, base, sub-base), concrete works, transversal and longitudinal drainages, sub drains, retaining and gravity walls, detailed material survey and soils mechanic for bridges foundation. In charge during the construction of the quality, origin and characteristic of the materials, of the organization and execution of laboratory tests and in charge for the provisional acceptance of the works as well.

S.T.I.P.E. – Studio Tecnico Italiano Progettazioni Estero – Consulting Engineering

Via del Tritone, 61 - Rome, Italy.

Geologist and Material Soils Engineer for the design of the (flexible and rigid) pavement and embankment's construction of the road:

- **Villa Federal-Corrientes,** - Project Length, 120 km
- Financing Authority: - World Bank
- **Argentina.**
- Geologist and Material Soils Engineer in charge for the design of the pavement (surface base and sub-base) by the use of AASTHO Method, material survey, sampling and testing of quarry material and borrow pit's location and classification, geo-technical investigation for the construction of the embankment with the swelling soils (expansive clay material at 85% of montmorillonite content), of the "Entre Rios Province".

April 1995 - May 1988

S.T.I.P.E. – Studio Tecnico Italiano Progettazioni Estero – Consulting Engineering

Via del Tritone, 61 - Rome, Italy.

Material and Soils Engineer and Acting Resident Engineer for the design and supervision of the construction works of the following roads:

- **Waterloo-Masiaka, 1995/1992** - Project Length, 45 km
- **Fadugu-Kabala, 1992/1988** - Project Length, 33 km
- Financing Authority, - European Community
- **Sierra Leone.**
- Others projects within the context of the above tasks, carried out in Sierra Leone are:

- **Waterloo-Masiaka**, - Project Length, 45 km

In charge for the geo-technical survey and checking of project quantities.

- **Waterloo-Wellington**, - Project Length, 33 km

Supervision works for 50 mm of bituminous hot mix wearing course.

- **Makeni-Fadugu**, - Project Length, 83 km
- Geotechnical survey for the road rehabilitation: evaluation of the residual structural strength of pavement by the use of Dynamic Cone Penetrometer (DCP). Remedial measures for the rehabilitation, analysis and forecasts for the repair works for approach slabs for n° 9 bridges of the road.

April 1988 - November 1987

S.T.I.P.E. – Studio Tecnico Italiano Progettazioni Estero – Consulting Engineering

Via del Tritone, 61 - Rome, Italy.

Geologist and Material Soils Engineer in charge for the detailed geo-technical field investigation and design for the following roads:

- **Atbara – Dongola-Wadi Halfa**, - Project Length, 1000 km
- **El Kasher – Tawila-Kebrabyia**, - Project Length, 155 km
- **El Fasher-El Gemina, 2nd part**, - Project Length, 130 km
- **Dubeidat – Dilling-Kadugli**, - Project Length, 190 km
- Financing Authority: - Sudanis Government
- **Sudan.**
- Detailed material survey, sampling and testing for the classification of quarries materials and borrow pits, engineering design of the road and preparation of general and technical specifications.

August 1987 - October 1986

IMPRESIT - COGEFAR, (IM.CO.), S.p.A.–Contractors.

Via Bissolati, 57 - Rome, Italy.

Material and Soils Engineer in charge for the geo-technical laboratory, during the construction of the following roads:

- **Massakori-Mao-N’guigui**, - Project Length, 179 km
- **Bagasola-Bol**, - Project Length, (Km 54).
- Financing Authority, PNUD
- **Chad.**
- Geo-technical investigation, sampling and testing of clay materials, preparation of different mixes design of clay and sand for construction of the embankment with dune sand stabilized with montmorillonite’s clay.

October 1986 - June 1986

CONSULINT INTERNATIONAL S.p.A. - Consulting Engineers,

Via G. Tomasetti, 8 - Rome, Italy.

Geologist and Material Soils Engineer in charge for the supervision of the construction works of the road:

- **Garowe-Gardo-Bosaso**,
- Project Length, 450 km
- Financing Authority, Italian Government
- **Somalia.**

May 1986 - January 1984

SOTECNI, S.p.A.- Consulting Engineers,

Via Salaria, 1317 - Rome, Italy.

Material Soils Engineer in charge for supervision's works of the construction of the railway lines:

- **Mussajeb-Samawa, Branch 3 and 4** - Project Length 34 km
- **Al Muthanna-Cement Factory Branch Line**, - Project Length, 31km
- Financing Authority. NAIRIA – Iraqi Railway
- **Iraq.**
- Geo-technical laboratory activity, soils material sampling and testing, quality control for the construction of a sandwich embankment made with alternative layers of top-soil and granular materials, QC-quality control for bridges foundation, reinforced concrete and bituminous hot-mix for base course and wearing coarse, execution of piling and pile bearing tests for bridge's foundations.

July 1983 - January 1980

ITALCONSULT, S.p.A. - Consulting Engineers,

Saudi Arabia Branch, Riyadh, Saudi Arabia.

Geologist in charge for the supervision works of the construction of the descent roads:

- **Al Juwah,**
- Project Length, 80 km
- **Al Bahah,**
- Project Length, 47 km
- Financing Authority, Government of Saudi Arabia
- **Saudi Arabia.**
- Material sampling, and testing, quality control on soils, bridges reinforced concrete, bituminous hot-mix base course and wearing coarse, technical supervision of galleries, cut and cover and tunnels excavation, drilling, shot-crating, tunnels nailing (expansion head) and concrete lining, slope stability analysis for high (over 40m) cut excavation.

January 1980 - March 1977

CUCUMILE, - Geotechnical Study

Via dei Cimbri, 8 - Naples, Italy.

Geologist and Material Soils Engineer in charge for the collection of undisturbed samples to be undergo at Naples University Laboratory to Triaxial Test, Eodometric Test and Shear Test for the reconstruction of several bridges during the rehabilitation of the road:

- **Cosenza-Longobuco-Sibali,**
- Project length 45 km
- Financing Authority: ANAS
- **Italy**

Mars 1971 - Mars 1976

Generali Montaggi Sud - S.r.l.

Via Venditti, 9 - Portici (Na), Italy

Industrial Engineer in charge for the design, construction and installation of several areal transportation lines in various manufacturing industrial plans in the province of Caserta at South of Italy.

- **Italy**

February 1969 - Marc 1971

Walword-Aloyco

Via della Litoranea, 27- Naples, Italy

Industrial Engineer in charge for the fusion processes of Martin-Siemens Oven and Thomas Converts, for the aluminum melting operation and cast-iron activities.

- **Italy**