# Giovanni Corrao

## SENIOR CIVIL & STRUCTURAL ENGINEER | TEAM LEADER

Bridge design • Construction supervision • Roads and public infrastructure

**Cagliari, Italy | +39 348 511 6922 | ing.g.corrao@gmail.com**
Italian citizen | Registered Engineer, Province of Cagliari (No. 1606)

## Professional Profile

Senior civil and structural engineer with a long career in the design and delivery of civil infrastructure, including bridges, roads, rail-related structures, public buildings and utility systems. Since 2019, engaged on international assignments in Haiti, the Central African Republic and the Democratic Republic of the Congo, with responsibilities spanning structural design, team leadership, project management and construction supervision. Earlier work in Italy included freelance engineering and management of a multidisciplinary engineering practice.

## Areas of Expertise

| FOCUS | EXPERIENCE |
|---|---|
| **Bridges & structures** | Bridge design and rehabilitation; reinforced-concrete structures; structural assessment and detailing. |
| **Project delivery** | Team leadership; design coordination; construction supervision and management; technical review. |
| **Infrastructure** | Road and railway works; wastewater and solid-waste facilities; gas networks; fire-protection systems. |
| **Tools** | AutoCAD, Microsoft Office, Excel and Access; engineering software; web and database tools. |

## Professional Experience

### Techniplan, Rome, Italy | International Consulting

**Civil and Structural Engineer / Team Leader** 2019–2026

International engineering assignments in Haiti, the Central African Republic and the Democratic Republic of the Congo. Worked on bridge and road design, construction supervision, project management and technical review of civil and structural works.

- Led supervision assignments, including works associated with Phase 5 of the Caracol Industrial Park Development Project in Haiti and community facilities in Bangui and Berberati, Central African Republic.
- Supported the client and supervised rehabilitation works on Haiti's Port-de-Paix–Anse-à-Foleur road (RD501); contributed to rehabilitation works on the 55 km Ennery–Limbé section of National Road 1 (RN1).
- Designed bridges in Haiti, including structures at Rouyonne River (33.0 m), Bethel (28.5 m), La Digue (34.2 m), Côte de Fer (90.0 m) and Mahot (70.0 m).
- Prepared designs for 11 bridges on the Thiotte–Marigot road in Haiti, with reported lengths ranging from 22.8 m to 159.6 m; designed four 25 m bridges in the Democratic Republic of the Congo and the Central African Republic.
- Supervised construction of five bridges on Haiti's RD501 between Port-de-Paix and Anse-à-Foleur (36–60 m); provided structural engineering input to railway bridge rehabilitation and strengthening on the Chilivani–Olbia line in Sardinia.

### Ingg. Corrao Engineering, Cagliari, Italy

**Freelance Project Manager and Practice Owner** 1978–2018

Managed civil and industrial engineering assignments, covering design, structural calculations, technical documentation and construction management for public and private clients.

- Designed and managed works for civil and industrial buildings, bridges, roads, railway structures, wastewater-treatment facilities, gas networks and fire-protection systems.

- Worked on drinking-water and wastewater treatment schemes for municipalities across Sardinia; the source CV reports an aggregate project value of approximately €40 million.
- Delivered structural design and construction-management services for the Macchiareddu-Grogastu solid-waste treatment and composting facility (reported works value: €11.928 million).
- Designed or supervised fire-protection and electrical systems for public facilities, including the San Benedetto market in Cagliari, and supported urban gas-network assignments across Sardinia.

## Selected Project Record

Selected assignments are summarized below. Descriptions use a consistent past-tense style for completed work; project periods and reported figures follow the source CV.

| PERIOD | ASSIGNMENT / LOCATION | SCOPE AND CONTRIBUTION |
|---|---|---|
| 2024–2025 | Caracol Industrial Park, Haiti | Supervised works associated with Phase 5 of the development project. |
| 2024–2026 | Bangui and Berberati, Central African Republic | Provided project management for construction of social and community facilities and neighborhood development in priority areas. |
| 2019–2026 | RN1, Haiti | Contributed to rehabilitation works on the Ennery–Limbé section of National Road 1 (55 km). |
| 2022–2026 | RD501, Haiti | Supported the client and supervised rehabilitation works on the Port-de-Paix–Anse-à-Foleur section (23 km); supervised five bridges along the route. |
| 2025 | Thiotte–Marigot road, Haiti | Prepared designs for 11 bridges; reported bridge lengths ranged from 22.8 m to 159.6 m. |
| 2022–2023 | Haiti | Supported the client and supervised road rehabilitation on RD501. |
| 2022–2026 | Chilivani–Olbia railway, Sardinia | Contributed to the executive design and construction management for rehabilitation and strengthening of railway bridges. |
| 2002 | Macchiareddu-Grogastu, Sardinia | Designed reinforced-concrete structures and foundations for a solid-waste treatment and composting facility (reported works value: €11.928 million). |
| 1992 | San Benedetto Market, Cagliari | Designed and managed renovation works, including structural repair and restoration of corroded reinforcement (reported works value: €1.963 million). |
| 1980–2018 | Sardinia, Italy | Designed and managed a range of municipal, residential, road, water and utility projects; the source CV reports approximately €40 million for water and wastewater schemes. |

## Education and Professional Credentials

**Degree** Five-year degree in Civil Engineering, University of Cagliari, Italy, awarded 14 April 1977; final mark 108/110. Thesis: “Failure Behaviour of Concrete Arch Dams.”

**Professional registration** Registered with the Engineers’ Association of the Province of Cagliari, No. 1606, since 22 June 1978.

**Additional qualifications** Registered technical consultant to the Court of Cagliari; listed as an inspector with the Cagliari Chamber of Commerce; authorized under Italian Law 818/84 to issue fire-prevention certifications.

**Training** Construction-site safety coordination training under Italian Legislative Decree 494/96; subsequent refresher training on temporary and mobile construction sites; technical seminars on electrical systems and wastewater treatment.

## Languages

| LANGUAGE | READING | WRITING | SPEAKING |
|---|---|---|---|
| Italian | Native | Native | Native |
| English | Excellent | Excellent | Good |

| LANGUAGE | READING | WRITING | SPEAKING |
|---|---|---|---|
| **French** | Excellent | Excellent | Excellent |
| **Spanish** | Good | Good | Good |

## Additional Information

**Driving licence** Italian Category B.

**Selected institutional role** President, District 1 (Historic Centre) Town Planning Commission, Municipality of Cagliari, 1995–1996.