Federici Stirling International

WHO WE ARE

The company initiated its activities in Rome - Italy and, after having carried out a considerable number of projects to give a new look to the capital city during the 1930's, it participated in the post-war reconstruction of the country and in the construction of important infrastructures.

During the 1950's Federici Stirling was among the first Italian companies to extend its activities overseas. Since then, the company has managed to expand its presence and strengthen its activities in Europe, Africa, Asia, Central and South America, implementing major projects, including the construction of roads, viaducts, airports, hydraulic works, aqueducts, dams, and hydroelectric and thermoelectric power plants.

In the nineties the company began to widen its horizons through an ambitious process of internationalisation. This process gave further impetus to the Company's activities overseas and further strengthened its position in those countries in which it already operated as well as enabling it to set up establishment new areas.

Federici Stirling International is now a world-renowned contractor specialising in the construction of highways, bridges, underpasses, tunnels, water and wastewater treatment plants, marine works, and dams. With a base in Rome, Federici Stirling International operates globally with offices in Saudi Arabia, UAE, Sultanate of Oman, and Nigeria. Federici Stirling International consistently delivers outstanding projects across various sectors, demonstrating a commitment to excellence in construction.

OUR PROJECTS

ROADS, BRIDGES & TUNNELS

Design & Build Rock Stabilization and Wadi Interceptors

Country: Saudi Arabia
Client: NEOM
Consultant: AECOM / WSP
Date: 2023 – 2025
Value: 105.4 M SAR (30 M USD)
In cooperation with BATCO

The work includes rock cleaning and scaling, rock stabilization, and debris flow mitigation.

Construction Completion, Maintenance and Guarantee of Bridge and Road Connection from E11 to Siniya Island at Umm Al Quwain

Country: United Arab Emirates
Client: Umm Al Quwain Government
Consultant: Al Gurg Consultants
Date: 2021 – 2024
Value: 184.5 M AED (50.8 M USD)
In cooperation with BATCO

The project consists of the construction of the Siniya Island Gateway including a causeway bridge and roadworks connection to E11. The connection to E11 includes a new 38 m ROW triple carriageway road and roundabout on the existing E11 road inclusive of utilities required to support development on the island, potable water, power transmission, telecommunication, stormwater surface drainage, street lighting, and power supply for street lighting.

Etihad Rail Network Package 2D

Country: United Arab Emirates
Client: Etihad Rail
Consultant: Jacobs
Date: 2020 – 2022
Value: 49 M AED (13 M USD)
In cooperation with BATCO

The scope work consisted of constructing 3 tunnels namely T8, T9 and, T11 including:

- Excavation of the tunnel portals and related slope stabilization measures excluding blasting.
- Excavation of the tunnels above by means of NATM method.
- Initial support system: shotcrete, lattice girder, bolts, umbrella pipe and spiling.
- Waterproofing of the tunnels.
- Final lining of the tunnels.
- Drainage of the tunnels.
- Concrete channels.

Construction of Tunnel in Sultan Bin Khalifa Roundabout at IP131

Country: United Arab Emirates
Client: MUSANADA
Consultant: AAW Consulting Engineers
Date: 2018 – 2020
Value: 113.9 M AED (31 M USD)
In cooperation with BATCO

The scope of work consisted of the upgrading of the existing Al Ain Roundabout (IP-131) to a grade separated signalized junction and widening the existing Maragh wadi bridge.
The works included the construction of Sultan Bin Khalifa New Underpass, widening works for Al Wadi Bridge, traffic management / diversions, demolition and site clearance, concrete works, traffic control system, roads, paving, landscaping, stormwater system, potable water system, telecommunication, electrical and street lighting works.

Maintenance, Improvement and Upgrade of Hamad Bin Abdullah Road - Al-Fujairah

Country: United Arab Emirates
Client: Ministry of Infrastructure Development (MOID)
Consultant: Rafik El-Khoury and Partners
Date: 2017 – 2021
Value: 303 M AED (82.6 M USD)
In cooperation with BATCO

The Hamad Bin Abdullah Street (E89) is the main road of Al-Fujairah City, and it starts at Al-Nujaimat Roundabout and extends till Fujairah - Kalba - Khorfakkan Road (E99). The 6-kilometer street is a dual carriageway with two lanes per direction and with four major roundabouts.
The scope of work included the design and build of urgent works related to dams, water channels, and flood protection works in east coast (Masfut, Siji, Shawka) consisting of making recharge ponds, dikes, and stormwater channels in 3 areas.

Enabling and Highway Works for Mall of Oman (Bridges & Underpass)

Country: Oman
Client: Majid Al Futtaim (MAF)
Consultant: Parsons
Date: 2017 – 2019
Value: 2.6 M OMR (6.8 M USD)

With more than 350 outlets spreading across 135,000 m^2 of retail space, a luxurious hotel with 292 rooms, an extraordinary snow park covering 14,513 m^2, along with a hypermarket that caters to all shopping requirements, the "Mall of Oman" aimed to be the next flagship destination for retail, leisure, and entertainment in Oman and the Gulf Region. Major works included 4 bridges with several architectural features, a vehicular underpass, and a flyover that was executed over the Muscat Expressway without traffic interruptions.

Construction of Batinah Expressway Package 5

Country: Oman
Client: Ministry of Transport and Communications
Consultant: Botek & Partners Engineering Consultancy
Date: 2014 – 2018
Value: 132.6 M OMR (343.5 M USD)

Part of the 256-km state of the art 8-lane Batinah Expressway connecting the Muscat Expressway and the UAE, Batinah Package 5 is a 41-km long road stretching from Sohar to Liwa in Oman. Major works included 3 cloverleaf interchanges, 1 flyover, 3 wadi crossing bridges, 4 underpasses, 132 box culverts, 4 weigh stations, and 17 million m^3 of earthworks.

Design and Construction of Dibba – Khorfakkan Ring Road

Country: United Arab Emirates
Client: Ministry of Public Works
Consultant: CHSS
Date: 2013 – 2016
Value: 166.4 M OMR (44.3 M USD)
In cooperation with BATCO

The project's scope consisted of the design and build of a 1.1-km bypass road to the existing section of the road. This bypass road included 500,000 m3 of rock blasting and a double-tube road tunnel of 550 m length each respectively. The tunnel excavation method used was the sequential drill and blast in hard gabro.
The tunnels were furnished with all required electromechanical items related to safety: two bypass tunnels for escape in case of emergency, ventilation system, fire detection, fighting and alarm system, and tunnel control PLC system.

Design and Construction of Additional Interchanges for Al Mubaila South along the Muscat Expressway

Country: Oman
Client: Muscat Municipality
Date: 2013 – 2015
Value: 15.8 M OMR (40.8 M USD)

A vital project in the capital that aimed to provide free flow access to Al Mubaila from Muscat Expressway making it the second major corridor serving Muscat. Major works included the design and construction of 3 post-tensioned concrete viaducts, piling works, drainage works, 1.3 M m^3 of earthworks, road finishing, and relocation of utilities.

Design and Construction of Repair Works Along the Quriyat – Sur Road

Country: Oman
Client: Renardet S.A. & Partners Consulting Engineers L.L.C.
Date: 2012 – 2014
Value: 4.7 M OMR (12.2 M USD)

This essential project aimed to repair damages incurred by cyclones Gonu and Phet. Major works included soil stabilization (jet grouting, gabions, rock armor and rip rap), and structural works (culverts, side drains and chutes, concrete barriers and asphalt works).

Construction of Wadi Adai Interchange

Country: Oman
Client: Muscat Municipality
Consultant: Parsons International & Co
Date: 2010 – 2014
Value: 29.9 M OMR (78 M USD)

The project consisted of the replacement of an existing roundabout by a three-level trumpet interchange. The interchange is in an urbanized zone with existing underground utilities and heavy traffic. This interchange serves as the city's principal gateway to the Wilayats of Al Amerat and Qurayat. It was constructed to ensure that traffic always remains unhindered. Major works included 2 steel bridges, piling works, road works, mechanically stabilized earth walls, and relocation of utilities.

Design and Construction of Dualization of Al Kharijiya Street

Country: Oman
Client: Muscat Municipality
Consultant: Parsons International & Co
Date: 2009 – 2011
Value: 6.8 M OMR (17.7 M USD)

A long-awaited solution to the heavy traffic in one of Muscat's busiest districts. Major works included a 4-km. carriageway, bridge widening, new junction, landscaping, and relocation of utilities.

Dualization of Road from Zurub Roundabout to Al Buraimi Roundabout

Country: Oman
Client: Ministry of Transport and Communications
Consultant: National Engineering Services Pakistan (NESPAK)
Date: 2009 – 2011
Value: 21.8 M OMR (56.6 M USD)

To improve the traffic flow between Oman and the UAE, this project consisted of constructing a dual carriageway in Al Buraimi. Major works included 2 post-tensioned concrete bridges, 2 underpasses, box culvert / irish crossings, 44 km. of road works, over 2 million m^3 of earthworks, and relocation of utilities.

Design and Construction of Wadi Bridges and Culverts in Al Qurum

Country: Oman
Client: Muscat Municipality
Consultant: Parsons international & Co
Date: 2008 – 2012
Value: 20.4 M OMR (53.3 M USD)

A much-needed upgrade to the existing service roads, along with an adequate all-weather cross drainage provision that ensures the safety of the neighbouring commercial and residential areas in the heart of the city's commercial district. Major works included 4 post-tensioned concrete bridges, piling works, box culverts, flood protection channels, and road works.

Rehabilitation Works (Roads, Bridges, Wadis) in Quriyat, Lot 2

Country: Oman
Client: Muscat Municipality
Consultant: Idroesse Infrastructure
Date: 2008 – 2011
Value: 20.1 M OMR (52 M USD)

The aim of this project was to lift traffic over the primary and secondary wadis all along Daghmar-Quriyat Road and to replace the irish crossing systems with wadi bridges / box culverts to regulate normal traffic flow. Major works included 3 post-tensioned concrete wadi bridges, box culverts, road works, and 1 million m^3 of earthworks.

Construction of YUP-2 Underpass at Al Yas Island Development

Country: United Arab Emirates
Client: Aldar
Consultant: Halcrow
Date: 2008 – 2009
Value: 41.7 M AED (11.3 M USD)
In cooperation with BATCO

The project consisted of the construction of an underpass with a total length of 537 m including retaining walls at both sides of the underpass. The works included:

- Construction of a 143-m long underpass box section with a width of 13.9 m.
- Construction of two 394-m long underpass U-sections with a width of 13.9 m.
- Waterproofing membrane, painting works, and wall tiling.
- Precast concrete barriers.
- Construction of a pumping station for the stormwater drainage of the underpass.

Bahrain City Center Interchange

Country: Bahrain
Client: Ministry of Work and Housing
Consultant: Parsons
Date: 2007 – 2009
Value: 4.9 M BHD (13 M USD)

The project aimed at improving the access roads by constructing an interchange with one left-turn flyover and slip lanes at Sheikh Khalifa Bin Salman Highway, King Abdullah Bin Al Hussain Avenue, Avenue 18 and Avenue 2891. The works consisted of the earthworks, drainage, footpaths, asphalt paving and pavement markings are the major elements included.

Reconstruction of Qurum to Al Sarooj Road link

Country: Oman
Client: Muscat Municipality
Consultant: WS Atkins International & Co
Date: 2007 – 2008
Value: 5.8 M OMR (15 M USD)

The project consisted of the construction of two bridges over two tidal lagoons that were created because of the floods that hit the Qurum to Sarooj beach road in June 2007. The construction works focused on protecting the beach and mangrove areas as well as avoiding pollution. Major works included 2 post-tensioned concrete bridges, piling works, road works, and coastal road protection.

Project: Dar es Salaam – Bagamoyo Road
Country: Tanzania
Client: Ministry of Works
Consultant: COWi Consult - Denmark

Construction of the road between Dar es Salaam (Wazo Hill) and Bagamoyo.
Length: 43,000 m.
Width: 10 m.

Project: Taipei - Yilan Expressway
Country: Taiwan
Client: Ministry of Communication and Transport
Consultant: Taiwan Area National Expressway Engineering Bureau

Construction of a highway of 7 km length with 2 lines on each way, divided into:
- Pengshan tunnel with a length of 3,840 m.
- 11 bridges and viaducts with total length of 3,210 m.
- Pinglin motorway intersection and related access roads.

Project: Rufiji Bridge
Country: Tanzania
Client: Ministry of Works
Consultant: GAUFF Ingenieure Gmbh

Bridge across the Rufiji River and its floodplain with 1 main bridge (890 m), 8 minor bridges (130 m), crossing roods (13,500 m), hydraulic and relief structures.

Project: Kano-Gumel-Maigatari Road I - II
Country: Nigeria
Client: Federal Ministry of Works
Consultant: Federal Ministry of Works

Rehabilitation of the Kano-Gumel-Moigotari double lane road, execution of road pavement works, shoulders and box culverts reconstruction.
Overall road length 149,500 m.
Road width: 10,90 m.

Project: Poggio Fornelld Tunnel
Country: Italy
Client: National Autonomous Roads Company (A.N.A.S.)
Consultant: National Autonomous Roads Company (A.N.A.S.)

Construction of a double line tunnel of 500 m length along the National Road Aurelia near Follonica (GR). Overall excavation volume: over 40,000 m^3.

DAMS AND HYDROPOWER PLANTS

Project: Highlands Water Project "Kalbe Dam" Phase 1
Country: Lesotho
Client: Lesotho Highlands Water Authority
Consultant: Lesotho Highlands Water Authority Consultants

Construction of a dam with double curvature concrete arch.
Height: 180 m.
Length at crest: 685 m.
Reservoir capacity: 1,950,000,000 m3.
Concrete volume: 2,170,000 m3.

Project: Taksebt Dam
Country: Algeria
Client: Ministry of Hydraulics
Consultant: National Dams Agency (A.N.B.)

Construction of the Toksebt Dam for drinking water and irrigation purposes.
Type: Earth dam.
Height: 77 m.
Length at crest: 482 m.
Tunnel length: 3,000 m.
Embankment volume: 6,350,000 m3.

Project: Owen Falls Dam
Country: Uganda
Client: Uganda Electricity Board
Consultant: Kennedy Donkin Sir Alexander Gibb & Partners

Strengthening of the Owen Falls Dam located along the Nile River near Jinja.
Underwater inspection of the structures. repair of the structures and grouting of the existing hydroelectric scheme.

Project: Dadin Kowa Dam
Country: Nigeria
Client: Upper Benue River Basin Development Authority
Consultant: Shawmont Nigeria Limited

Earth and rockfill dam for irrigation and hydroelectrical purposes.
Height: 42 m.
Length at crest: 612 m.
Embankment volume: 1,000,000 m3.
Reservoir capacity: 2,800,000,000 m3.
Concrete volume: 65,000 m3.

Project: Gitaru Dam
Country: Kenya
Client: Tana River Dev Ltd
Consultant: Tana River Consultants

Earth and rockfill dam for hydroelectrical purposes.
Height: 27 m.
Length at crest: 450 m.
Embankment volume: 1,500.000 m3.
Tailrace tunnel length: 4,800 m.

THERMAL POWER PLANTS

Project: Thornhill Thermoelectric Plant
Country: UK
Client: Yorkshire Electricity COGEN Ltd
Consultant: ENEL SpA

Construction of the civil works, supply, and erection of all mechanical, electrical and instrumentation works of the Thornhill combined cycle thermal power plant, having a total capacity of 50 MW, with a steam turbine of 13 MW and a gas turbine of 37 MW.

Project: Montalto Di Castro Thermal Power Plant
Country: Italy
Client: ENEL SpA
Consultant: ENEL SpA

Main civil works for the construction of the thermoelectric power plant of Montalto di Castro with installed power of 3,440 MW (4 x 660 MW + 8 x 100 MW), powerhouse, chimney, auxiliary buildings, substations, transformer area, circulating water channels, and ancillary works.

Project: Delimara Thermal Power Station
Country: Malta
Client: Enemalta
Consultant: BEI Consulting

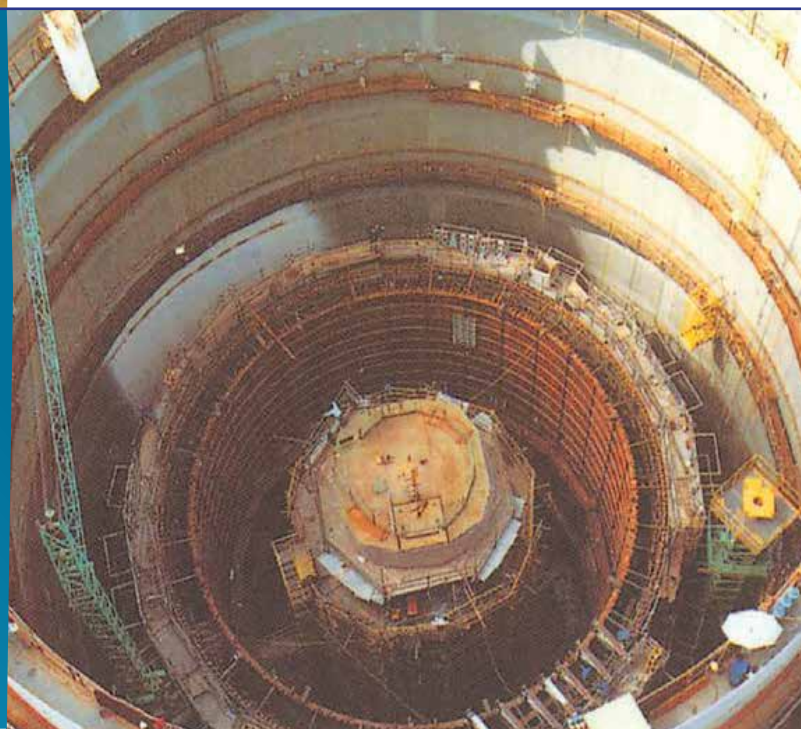
Main civil works of the thermoelectric power plant hating a capacity of 2 units x 60 MW. Construction of turbine hall, boiler house, control room, chimney, stores and offices, cooling water intake and outfall, pump house, building for treating of cooling and condenser water drainage and water works, ancillary works.

Project: IGCC Cooling Tower
Country: Italy
Client: Snamprogetti
Consultant: Snamprogetti - Deutsche Babcock

Construction of a reinforced concrete cooling tower for the Sarroch IGCC Plant – Integrated Gasification Combined Cycle Plant.

Project: Alto Lazio Nuclear Power Plant
Country: Italy
Client: Enel SpA
Consultant: Enel SpA

Execution of the main civil works of the nuclear power plant of Montalto di Castro (2 x 1,000 MW). Construction of the nuclear reactor building, turbines, thermic cycle, condensing treatment, control room, controlled services area, sea water cooling circuit, transformers and connection tunnels.



WATER WORKS

Project: Bradano e Metaponto Rivers Irrigation Scheme
Country: Italy
Client: Consorzio Bonifica Bradano e Metaponto
Consultant: Consorzio Bonifica Bradano e Metaponto

Supply and erection of over 30,000 m of main distribution piping (Ø2400) for over 1,000 hectares of agricultural land irrigated; the scheme included the construction of the intake, 9 pumping stations, 6 water reservoirs and a small hydropower plant at the existing S. Giuliano Dam.

Project: Sassari Drainage Network
Country: Italy
Client: Municipality of Sassari
Consultant: Municipality of Sassari

Rehabilitation and upgrading of the existing drainage and sewer system networks in Sassari.

Project: Masaka Water Supply Expansion Project
Country: Uganda
Client: Ministry of Natural Resources
Consultant: GAUFF Ingenieure Gmbh

Construction of intake facilities and a 10.580 m^3/day treatment plant with a distribution system for a total length of 40 km of pipes. Construction of various concrete and steel tanks for a total capacity of 3,600 m^3 and permanent roads.

Project: Banjarmasin Water Supply Project
Country: Indonesia
Client: Ministry of Public Works - DGHS
Consultant: Lotti & C.

Construction of a potabilization plant (50,000 m^3/day) for the city of Banjarmasin (Kalimantan). This "turnkey" contract included engineering, supply, installation, testing and commissioning of the plant and execution of the relevant civil works.

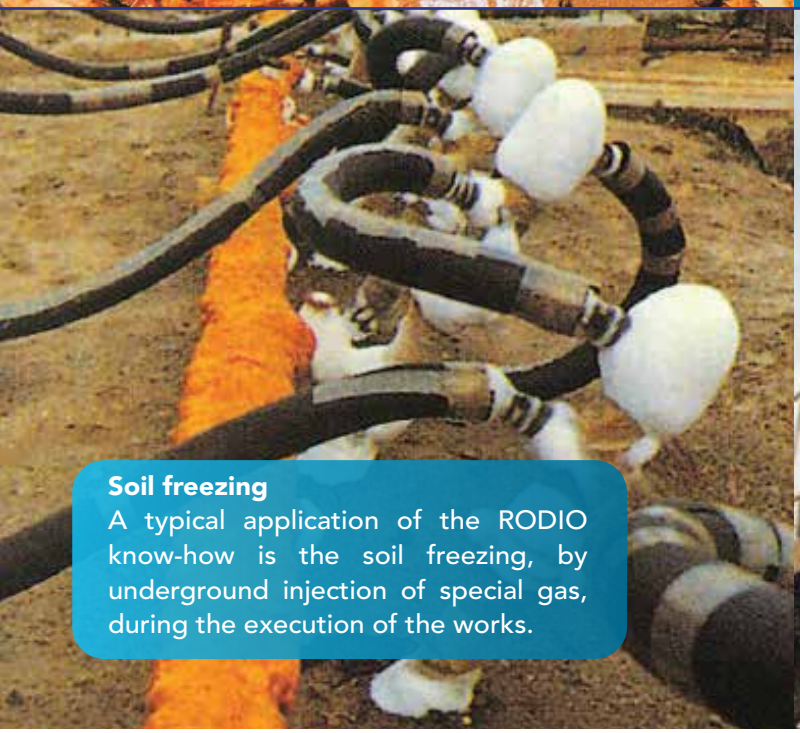
Project: HCMC Water Supply Saigon River
Country: Vietnam
Client: Snamprogetti
Consultant: Snamprogetti - Deutsche Babcock

Construction of the Ho Chi Minh Water Supply System including the intake structure, the raw water pumping station, the treatment plant, the factory for the manufacturing of prestressed concrete pipe (600/1800 mm diam.), the water meter factory. Plant capacity: 300,000 m^3/day.

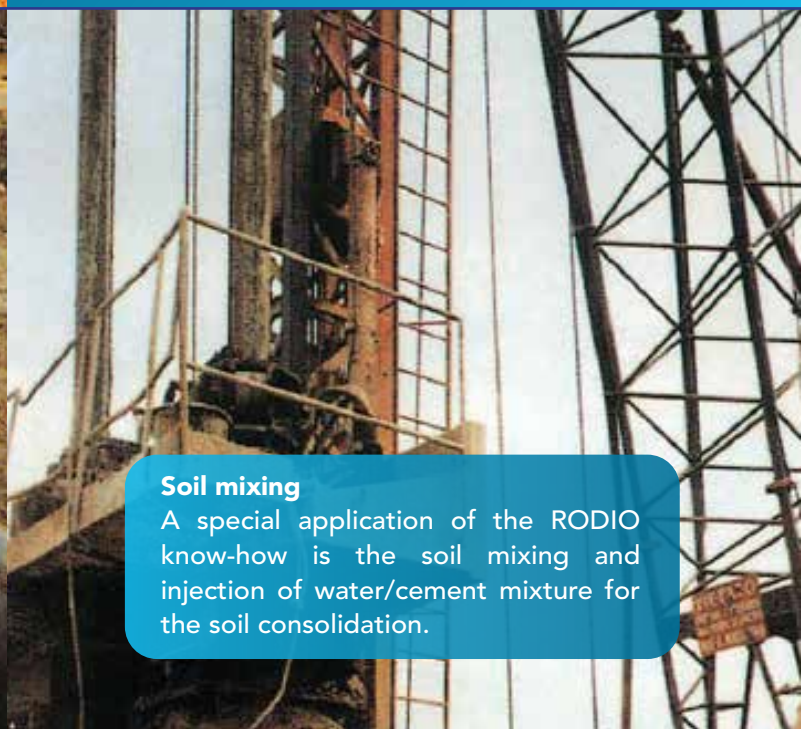
GEOTECHNICAL ENGINEERING WORKS

Project: Bibliotheca Alexandrina Project
Country: Egypt
Client: Ministry of Education
Consultant: Snoetta & Hanza

Over 28,800 m^2 of diaphragm walls, bored piles for over 24.300 m length (Ø1000, Ø1200, Ø1500 mm), soil improvement with over 29,500 m length of jet grouting, construction of 40 dewatering wells, and construction of a reinforced concrete foundation raft slab for over 21,800 m^3.



Soil freezing
A typical application of the RODIO know-how is the soil freezing, by underground injection of special gas, during the execution of the works.



Soil mixing
A special application of the RODIO know-how is the soil mixing and injection of water/cement mixture for the soil consolidation.

BUILDINGS

Project: Construction of Frontier Camps Package 1
Country: Oman
Client: Ministry of Defense
Consultant: Gulf Engineering Consultancy
Date: 2015 – 2018
Value: 19.3 M OMR (50.0 M USD)

Part of a series of frontier camps constructed by the Ministry of Defence along the Oman/UAE border, this package consisted of 3 military camps complete with all amenities at Buraimi. Major works included headquarter buildings, service buildings, boundary walls, fencing, MEP, HVAC, furnishing, helipads, earthworks, and road works.

Project: La Valchetta Complex Buildings
Country: Italy
Client: RIF Gestione di Partecipazioni SpA
Consultant: RIF Gestione di Partecipazioni SpA

Construction of a civil complex in Rome (3 residential buildings, 2 schools, 1 office building). Area: 140,000 m^2.

Project: Siena Hospital Complex
Country: Italy
Client: Universita degli Studi di Siena
Consultant: Universita degli Studi di Siena

Construction in various phases of the overall new Siena University Hospital and related structures. Volume: 548.000 m^3.

Project: Mosque and Islamic Center of Rome
Country: Italy
Client: Islamic Cultural Centre in Italy
Consultant: Islamic Cultural Centre in Italy

Construction of the Mosque (overall surface of 2,350 m^2) and of the Islamic Cultural Centre (overall surface of 4,630 m^2) in Rome.

Project: Incisa Val D'arno Complex
Country: Italy
Client: RIF Gestione di Partecipazioni SpA
Consultant: RIF Gestione di Partecipazioni SpA

Construction of a private residential complex in Incisa Val d'Arno (FI).
Area: 20,000 m².

Project: Macerata Offices Complex
Country: Italy
Client: Direzionale SpA
Consultant: Direzionale SpA

Construction of a private complex in Macerata for offices and commercial activities. Overall area: 12,500 m².

AIRPORTS

Project: Mombasa Mdi International Airport
Country: Kenya
Client: Kenya Airports Authority
Consultant: Mitsubishi / KAA

Main runway (3,500 m), aprons, parking areas, access and internal roads. equipment and facilities.

Project: Leonardo Da Vinci International Airport
Country: Italy
Client: Aeroporti di Roma SpA
Consultant: Aeroporti di Roma SpA

Construction of new airport terminal for domestic flights of Rome including buildings for check-in, technical buildings, offices, shops, stores (above and underground). Overall surface: 50.000 m^2. Total volume: 340.000 m^3.

Project: Kilimanjaro International Airport
Country: Kenya
Client: Ministry of Communication and Transport
Consultant: Sir Frederick Snow & Partners Ltd

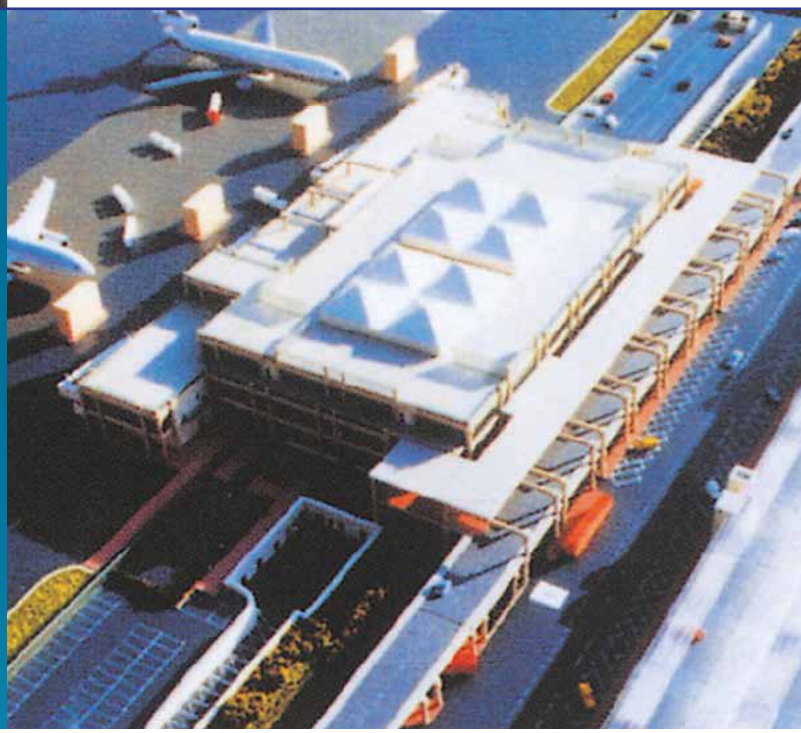
Main runway (3,600 m) including 3 aircraft turning areas and part of the stop ways, runway shoulders, new runway and taxiway, aviation ground lighting system and related electrical works.

Project: Cochabamba International Airport
Country: Bolivia
Client: Ministry of Aeronautics
Consultant: Ministry of Aeronautics

Construction of main runway (3,800 m) including the bridge over the Rocho River, aircraft parking bay, taxiways, control tower, airport and firefighting buildings, access roads, and parkings. Night flights instrumentation and runway lighting system.

Project: Bari Palese National Airport
Country: Italy
Client: S.E.A.P. SpA
Consultant: S.E.A.P. SpA

Construction of the new air terminal for domestic flights (200,000 m^3 approx.), aircraft aprons, access roads to the airport.




AFFILIATED
COMPANY

EMIT GROUP
Ercole Marelli Impianti Tecnologici

OVERVIEW

Founded in 1973, EMIT Group is an EPC Italian company with a reputable record in the water sector including the design, construction, and operation and maintenance of water and wastewater treatment plants. The company also has extensive capabilities in the energy production from renewable sources.

The experience achieved in the study and construction of several types of plants together with the application of specific know-how and in-house technical capabilities, makes EMIT Group the leading company that offers the best water and wastewater treatment services.

EMIT Group has successfully completed over 400 turnkey projects in its field. EMIT Group currently operates in more than 30 countries in Europe, Africa, and the Middle East.

CAPABILITIES

>> Water and wastewater purification and treatment plants.
>> Solid waste treatment plants.
>> Soil remediation systems.
>> Energy production from renewable sources.
>> Process engineering.

Water treatment plants	>> capacity up to 720,000 m^3/day
Wastewater treatment plants	>> capacity up to 650,000 m^3/day
Pumping stations	>> capacity up to 600,000 m^3/day
Solid waste treatment and recycling plants	>> capacity up to 700 ton/day
Sanitary landfills	>> capacity up to 16,000 ton/day
Air pollution control system flue gas	>> including the largest desulphurization and denitrification plants of

Project: Rastu Nou & Bechet Wastewater Treatment Plant and Collectors
Country: Romania
Client: Apa Oltenia
Consultant: EPISTA
Treatment Capacity: 7,600 m^3/day

The project consisted of the construction of a water treatment plant with a capacity of 7,600 m^3/day and collectors in Rastu Nou and Bechet. The scope of work included the design, supply, and erection of electromechanical works, start-up, commissioning, and assistance during DNP, and construction of part of the sewage line.

Project: Suez Thermal Power Plant
Country: Egypt
Client: Metito
Consultant: Power Generation Engineering & Service Co. (PGESCO)
Treatment Capacity: 1800 m^3/h

The project consisted of a polishing treatment plant with a capacity of 1800 m^3/hr. The scope of work included the design, engineering, supply, supervision of installation commissioning and start-up, guarantee and warrantee of the condensate polisher system for Suez Thermal Power Plant 1 x 650 MW gas/oil fired unit.

Project: Vaslui, Barlad, and Husi Wastewater Treatment Plant
Country: Vaslui, Romania
Client: SC Aquavas SA Vaslui
Consultant: Transtech Global Engineers Ltd.

The project consisted of the design and execution works related to the rehabilitation of wastewater treatment plant in Vaslui, Barlad and Husi. The scope of work included the design, supply of electromechanical equipment, SCADA system, erection, training, and supervision during the defect liability period.

Project: Bursa East & Bursa West Wastewater Treatment Plants
Country: Bursa East and Bursa West, Turkey
Client: BUSKI Bursa Water and Sewerage Administration
Treatment Capacity: 351,000 + 165,000 m³/day

The project consisted of the construction and operation of Bursa East and Bursa West wastewater treatment plants.
The works includes the following:

- Pretreatments.
- Biological phosphorus removal.
- Bod removal.
- Biological denitrification.
- Biological nitrification.
- Final sedimentation.
- Sludge stabilization and dewatering.

Project: Craiova Wastewater Treatment Plant
Country: Craiova, Romania
Client: Compania De Apa Oltenia
Treatment Capacity: 129.600 m³/day

The project consisted of the design and construction of the Craiova wastewater treatment plant.
The works included the following:

- Pretreatments.
- Primary sedimentation.
- NBR activated sludge system.
- Final sedimentation.
- Sludge thickening.
- Sludge anaerobic digestion.
- Mechanical sludge dewatering.
- Cogeneration system.

Project: Mersin Wastewater Treatment Plant
Country: Mersin, Turkey
Client: General Directorate of Mersin
Treatment Capacity: 190,000 m³/day

The project consisted of the construction and operation of Mersin wastewater treatment plant.
The works included the following:

- Raw water pumping stations.
- Pretreatments.
- Primary sedimentation.
- Activated sludge system.
- Final sedimentation.
- Sludge thickening.
- Sludge anaerobic digestion.
- Mechanical sludge dewatering.
- Sludge lime stabilization.
- Co-generated heat and power plants

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