

## CENOR – Consultores, SA

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Parque das Nações  
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### Corporation Form

Joint-Stock Company

### Registered Capital

150.000 EUR

### Board of Directors

Pedro Alexandre Tavares, Civil Eng.

José Manuel Silva Graça, Civil Eng.

Carlos Freire Bandeira, Civil Eng.

José Mateus de Brito, Civil Eng.

António Rui Batista, Civil Eng.

Rui Fortes Monteiro, Civil Eng.

### Permanent Personnel (2008)

Total: 224

Graduates: 124

Other Technicians: 81

Administrative Staff: 19

### Turnover (2008)

16.783.890 EUR

### Delegations

#### In Portugal

- Lisbon

Av. Sidónio Pais, 18 - 4º Drº/5º Esq.º

1050-215 Lisboa

Av. Engº Arantes e Oliveira, 22-B

1900-223 LISBOA

- Madeira Island

Av. Arriaga,

Edifício Marina Forum, 77 Sala 407,

9000-060 FUNCHAL

#### Abroad

- Angola

R. Cmdt Che Guevara,

Nº 67, 1º, Apart. 3

Macussulo - CP 2537 – LUANDA

### Main Associations

- APESB (Portuguese Association of Sanitation Engineering)
- FUNDEC (Portuguese Foundation for Continuous Training in Civil Engineering)
- GPBE (Portuguese Group of Structural Concrete)
- GPEE (Portuguese Group of Structural Engineering)
- IABSE (International Association for Bridge and Structural Engineering)
- IAEG (International Association for Engineering Geology)
- ISRM (International Society for Rocks Mechanics)
- ISSMGE (International Society of Soil Mechanics and Geotechnical Engineering)
- SPG (Portuguese Geotechnical Society)

### Certifications

- All Cenor Group's Companies are certified, in the scope of the Portuguese Quality System, according to the Portuguese standard NP EN ISO 9001:2000.
- CENOR is certified by LNEC as General Quality Manager for Construction Projects on the highest class (8) of the following categories: Buildings and Monuments; Roads and Urban Development Works and Hydraulic Works

### General Description

CENOR - Consultores, SA founded in 1980, is Cenor Group company holding, integrating the following companies:

- CENORPLAN, Planeamento e Projectos, Lda
- CENOR, Projectos de Engenharia, Lda
- ECG, Engenharia, Coordenação e Gestão de Empreendimentos, Lda
- ECGPLAN, Engenharia, Gestão e Planeamento, Lda
- CENORGEO, Engenharia Geotécnica, Lda
- CENOR – Consultores, SA – Sucursal Angola

### Main Expertise

The Group's activity gathers all areas of civil engineering, with special relevance for the following ones:

#### 1. Project and Consultancy:

- Structures
- Hydro-electric power plants and water resources management
- Hydraulic works
- Roads
- Airports
- Sewerage and water supply
- Geotechnics
- Special foundations.

#### 2. Coordination,

Management and Work Inspection;

#### 3. Quality Management;

#### 4. Occupational Health and Safety

### Services

The Group' six companies complete themselves allowing to control all processes, from procurement to final delivery to the client.

It is included the instalment of the services described below:

- Buildings Complex Management
- Works' Coordination and Inspection
- Buildings Complex Quality Management
- Projects and Consultancy
- Technical Assistance, Expertise and Arbitration
- Project Revisions
- Safety and Health Coordination

### Significant Last Works

#### 1. Project and Consultancy

- Railway High Speed Line – Lisbon/Oporto. Ota – Pombal Section. Prel. Design
- Drawdown of Espinho's Northern Line
- Socorrido's Gallery and Pumping Station, Madeira Island
- Project Revision of the Lisbon's Subway Red Line
- Cacucaco's Cement Factory, Luanda
- IC17/CRIL – Buraca/Pontinha. Final Design review
- Cross Harbour Viaduct (London). Structural assessment
- A17 - Litoral Centro Concession. Quiaios / Mira Section. Final Design.
- AlBahrani Island (Abu Dhabi). Infrastructures. Preliminary Design
- Vilamoura XXI – Cidade Lacustre Development. Infrastructures
- A10. Bucelas/Carregado Motorway. Arruda dos Vinhos/Carregado sub-stretch. Final Design
- IP4 – Auto-Estrada Transmontana Concession. Road Project and Engineering Structures Design
- Assessment of East Timor hydroelectric potential
- Royal Óbidos Golf, Sport & Leisure Resort, Pinhal da Rainha, Óbidos
- Vila Utopia Development, Oeiras
- Alto Cávado II (FD 12) Interceptors. Final Design
- Herdade da Comporta Development. ADT3. Infrastructures
- Sonae Tourism – UNOP's 7 and 8 (operative units for planning and management). General infrastructures
- Ferrel Reservoirs, Peniche
- Douro International Hydroelectric Development – Picote's dam repowering
- Machico/Faial Motorway. Terça/Ribeira Grande Section. Final Design
- EPUL – Development at Forças Armadas Avenue, Lisbon
- Lagoa/Meco Santo António's Water Supply and Drainage. Subsystems
- Tivoli Vilamoura Hotel
- Viana's Industrial Complex, Luanda
- Colombo's Resort, Porto Santo
- DRSB . Ribeira Brava and Calheta's WTP and Interceptors
- ATMAD – Ferradosa, Olgas and Pretarouca Dams
- Abrantes' Municipal Council. Weir in Tagus River
- Scut Açores Concession (Azores) and Road Interchange between A10 and A1 (mainland, Brisa). Road and Engineering Structures Design
- Scut Norte Litoral Concession. Viaducts and Engineering structures
- Vales' Hydroelectric Development. Final Design
- Serzedelo II WWTP (Vale do Ave). Final Design
- Auto-estradas do Centro Concession. Road and Engineering Structures Design

#### 2. Coordination, Management and Supervision

- Óbidos' Dam
- Raising of Cerro do Lobo Dam
- Sabugal – Meimoa's Hydraulic circuit
- Cova da Beira Irrigation Channel
- Odelouca's Dam
- Irrigation infrastructures of the Integrated Plan of Alqueva's Dam
- Office Park Expo Buildings Complex
- Funchal's Harbour West Road Access, Madeira Island
- Odelouca/Funcho Tunnel
- Madeira Forum (commercial, office and residential building)
- Polis Coimbra. City's general infrastructure upgrade
- REFER – Northern Line upgrade. Quintans / Ovar Section

### International Experience

Since 1989 Group Cenor has been strengthening its international experience dividing its activity between project design and developments' management in Cape Verde, Angola, Mozambique, Macao, East Timor, Algeria and United Arab Emirates.