

Sports Facilities



ENG

DUCTOS
GROUP

the company



Hotel Quinta da Marinha Resort, Cascais

DUCTOS, SOCIEDADE DE PROJECTOS, LDA., started off as a private limited corporation in July 1992, as a result of an already long collaboration between its partners, collaborators and consultants, working together in the preparation and implementation of studies and projects for public and private entities.

Ductos professional and technical staff includes a team of Engineers, who possess qualifications in the several fields of Engineering. Our professional and technical staff are supported by AutoCAD technicians, administrative staff and when necessary, consultant specialists in various subject areas.

With a sustained growth and implantation in international markets, **Ductos** is now known as **DuctosGroup**. With local societies constituted in **Mozambique** and in **Macau**, we also consolidated our position in such significant markets like **Angola, Brasil, Cape Verde** and **Algeria**, where we continue developing studies and projects in several areas.



As a result of **DUCTOS** development and its growing role within international markets, a strategy was defined looking to establish new society constitutions and partnerships in countries which have portuguese as the official language.

By September 2009 **Ductos** was already established in **Angola**, in order to provide a direct response to its customers, projects, and on-going work in this country.

In October 2010, a new office headquarters was open in the City of Praia, Santiago Island, **Cape Verde**, giving response to all the local solicitations..

internationalization

As a consequence of an implemented strategic expansion, and the high volume of business in **Brazil**, **DUCTOS** created a new company with its headquarters in São Paulo.

DUCTOS is also present in **Mozambique**, where in July 2012 established a new society of Mozambique Rights called **Ductos Moçambique**, Sociedade de Projectos, Lda., having its headquarters in Maputo.

In January 2013, has begun the process of incorporating a company in **Macau** designated **Ductos Macau** Engineering, in response to the great challenges of the East.

specialties

Having a group of engineers and technicians with a solid experience in our subject fields, **Ductos Group** provides services in the following areas:

**Hydraulic Installations;
Sustainability;
General Infrastructure;
Basic Sanitation;
Other Specialties.**

in partnership:

**Structures and Foundations;
Special Technique Installations;**

You can find below our engineering specialties.



specialties



Thermal Central

Hydraulic Installations

- Water Supply Equipments and Installations;
- Water Equipments and Installations for Fire Services;
- Water Drain Systems and Installations for Domestic Waste Waters and Rain Waters;
- Fuel Gas Mains Installations.

General Infrastructure

- Road infrastructure;
- Water Supply Infrastructure, Irrigation, Fire Services;
- Domestic Waste Waters and Rain Water Infrastructure;
- Gas Mains Infrastructure;
- Electrical Infrastructure and Lighting;
- Telecommunications Infrastructure;
- Urban Solid Waste Infrastructure.

Sustainability

- Sustainable Construction;
- Systems Centralization;
- Economy of the Consumption of Water;
- Exploration Economy;
- Use and reuse of water resources, especially rainwater and domestic waste waters for irrigation, washing and special consumption systems.

Basic Sanitation

- Water Supply;
- Sanitation;
- Water Treatment Station;
- Waste Water Treatment Station.

Other specialties

- Health and Safety Plans;
- Urban and Municipal Solid Waste;
- Medical Gases;
- Hydraulic Circuits in Pools and Water Games.

in partnership



Structures and Foundations

- Studies and Evaluation of existing constructions;
- Geotechnical Report Analysis;
- Excavations and Earthworks;
- Foundations; underground and surface floor structures.

Special Technique Installations

- Installations and Electrical Equipment;
- Installations and Communication Equipment;
- Installations and HVAC Equipment (Mechanical);
- Installations and Electromechanical Equipment;
- Integrated Security;
- Acoustics;
- Temperature Control;
- Centralized Technical Management;
- Luminosity Studies.

sports facilities





pavilhão atlântico

CLIENT

PAVILHÃO MULTIUSOS DE LISBOA, S.A.

LOCAL

Lisbon

**AREA OF CONSTRUCTION
AND DESCRIPTION OF THE
DEVELOPMENT**

Total Area of 50.000m²

Composed by three integrated areas, all spaces are easily adapted to the needs and characteristics of each event. The Atlantic Room, with an arena of 5200 m² and capacity for 12 500 people seated. The Sala Tejo, has 2200 m². And the Business Center, with its 100 seat auditorium and 11 integrable conference rooms.

PROJECT DESCRIPTION

Ductos was responsible by the Concept and Detail Design of:

- Water Supply Installation Equipment;
- Reservoirs and Pumping Water Central;
- Central Water Heating;
- Sewage and Drainage Installation Equipment;
- Underground Drainage;
- Gas Installation Equipment.

DATE

October 1995

olympic pool of lisbon university stadium



CLIENT

ESTÁDIO UNIVERSITÁRIO DE LISBOA

LOCAL

Lisbon

**AREA OF CONSTRUCTION
AND DESCRIPTION OF THE
DEVELOPMENT**

Olympic Pool of 50m and Training Pool of 25m.
Capacity of 1200 people seated and 70 VIP seats. 12 Shower
Rooms, 8 for athletes use, 2 for children and babies and 2 for staff
use.

PROJECT DESCRIPTION

Ductos was responsible by the Concept and Detail Design of:

- Water Supply Installation Equipment;
- Reservoirs and Pumping Water Central;
- Central Water Heating;
- Sewage and Drainage Installation Equipment;
- Underground Drainage;
- Gas Installation Equipment;
- Hydraulic Circuits of the Pool.

DATE

October 1996

eurostadium – sports complex



CLIENT	APLICAÇÃO URBANA VI, S.A. – INVESTIMENTOS IMOBILIÁRIOS, S.A.
LOCAL	Coimbra
AREA OF CONSTRUCTION AND DESCRIPTION OF THE DEVELOPMENT	Commercial Area: 53189 m2; Commercial Services: 11904 m2; Habitation: 11999.5 m2; MultiSports Pavilion: 7888 m2; Olympic Pool: 12000m2; Parking: 73000 m2.
PROJECT DESCRIPTION	Ductos was responsible by the Concept and Detail Design of: <ul style="list-style-type: none">• Water Supply Installation Equipment;• Fire Fighting Installation Equipment;• Sewage and Drainage Installation Equipment;• Underground Drainage;• Gas Installation Equipment;• Hydraulic Circuits of the Pool.
DATE	October 2002

stadium alvalade XXI – multi-sports



CLIENT

SPORTING CLUBE DE PORTUGAL

LOCAL

Lisbon

**AREA OF CONSTRUCTION
AND DESCRIPTION OF THE
DEVELOPMENT**

Main Pool:
25m x 21m x 2,00m (8 lanes) - Temperature 26/28°
Small Pool:
25m x 12,5m x 0,70m/1,20m (6 lanes) - Temperatura 28/30°
2 Climatized male changing rooms
2 Climatized female changing rooms.

PROJECT DESCRIPTION

Ductos was responsible by the Concept and Detail Design of:

- Water Supply Installation Equipment;
- Fire Fighting Installation Equipment;
- Sewage and Drainage Installation Equipment;
- Underground Drainage;
- Gas Installation Equipment;
- Hidraulic Circuits of the Pool.

DATE

November 2002

eurostadium – indoor pool of pedrulha



CLIENT

APLICAÇÃO URBANA VI, S.A.

LOCAL

Coimbra

**AREA OF CONSTRUCTION
AND DESCRIPTION OF THE
DEVELOPMENT**

Area of 2355 m2. The Sport Facility is constituted by 3 pools. One indoor pool with 25m and 2 outdoor pools with 25m and 50m.

PROJECT DESCRIPTION

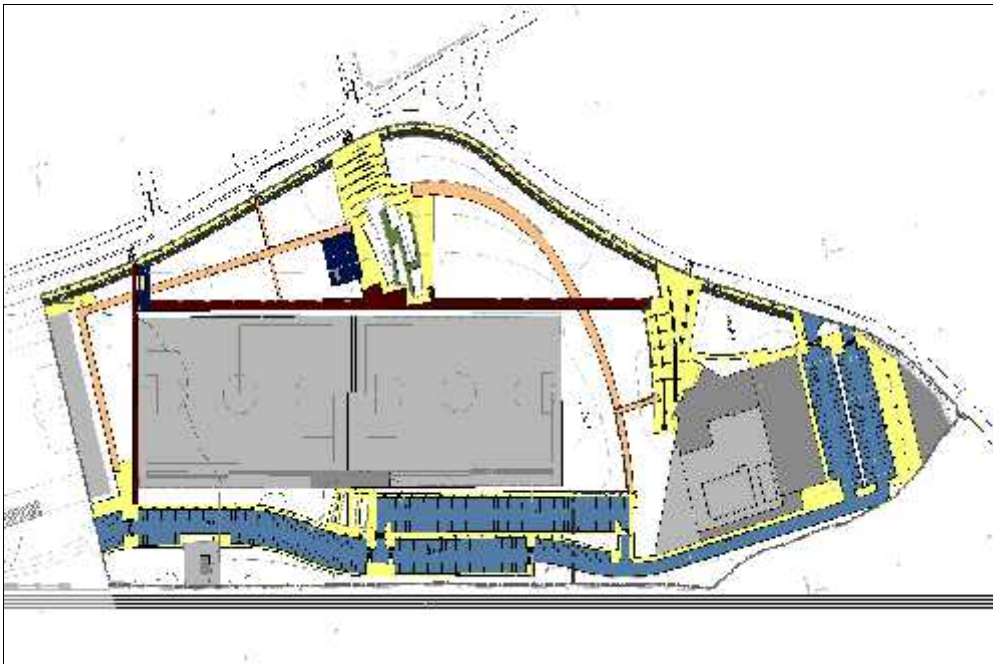
Ductos was responsible by the Concept and Detail Design of:

- Water Supply Installation Equipment;
- Fire Fighting Installation Equipment;
- Sewage and Drainage Installation Equipment;
- Underground Drainage;
- Gas Installation Equipment;
- Hidraulic Circuits of the Pool.

DATE

December 2002

outside infrastructures of the municipal pools



CLIENT	C.M. ENTRONCAMENTO
LOCAL	Entroncamento
AREA OF CONSTRUCTION AND DESCRIPTION OF THE DEVELOPMENT	Urban Development of the surrounding area of the future soccer fields and existing pools with an area of 4,5 hectares.
PROJECT DESCRIPTION	DUCTOS was responsible by the design of: <ul style="list-style-type: none">• Road Infrastructurs;• Water Supply Infrastructures;• Sewage Infrastructures.
DATE	November 2003

eurostadium – indoor pool of s. martinho



CLIENT APLICAÇÃO URBANA VI, S.A.

LOCAL Coimbra

AREA OF CONSTRUCTION AND DESCRIPTION OF THE DEVELOPMENT Total Area of 2302 m2.
Capacity for 160 people seated and 50 swimmers seated.
Pool with 25x16,7m, with average depth of 1,80m, 8 lanes with a width of 2,10m between them. Tank with 16,7x8 m, with a depth of 0,70 to 1,10m and 4 Lanes.

PROJECT DESCRIPTION Ductos was responsible by the Concept and Detail Design of:

- Water Supply Installation Equipment;
- Fire Fighting Installation Equipment;
- Sewage and Drainage Installation Equipment;
- Underground Drainage;
- Gas Installation Equipment;
- Hidraulic Circuits of the Pool.

DATE December 2003

municipal pool of ameixoeira



CLIENT

C.M. LISBOA

LOCAL

Lisbon

**AREA OF CONSTRUCTION
AND DESCRIPTION OF THE
DEVELOPMENT**

Area above the ground: 2450m²

Area under the ground: 1200m²

Area of the pool: 402m²

PROJECT DESCRIPTION

Ductos was responsible by the Concept and Detail Design of:

- Water Supply Installation Equipment;
- Fire Fighting Installation Equipment;
- Sewage and Drainage Installation Equipment;
- Underground Drainage;
- Gas Installation Equipment;
- Hydraulic Circuits of the Pool.

DATE

May 2004

municipal pool of vale do fundão



CLIENT	C.M. LISBOA
LOCAL	Lisbon
AREA OF CONSTRUCTION AND DESCRIPTION OF THE DEVELOPMENT	Area above the ground: 2450m2 Area under the ground: 1200m2 Area of the pool: 402m2
PROJECT DESCRIPTION	Ductos was responsible by the Concept and Detail Design of: <ul style="list-style-type: none">• Water Supply Installation Equipment;• Reservoirs and Pumping Water Central;• Central Water Heating;• Sewage and Drainage Installation Equipment;• Underground Drainage;• Gas Installation Equipment.
DATE	May 2004

municipal pool of santa maria dos olivais



CLIENT

C.M. LISBOA

LOCAL

Lisbon

AREA OF CONSTRUCTION AND DESCRIPTION OF THE DEVELOPMENT

Area above the ground: 2450m²
Area under the ground: 1200m²
Area of the pool: 402m²

PROJECT DESCRIPTION

Ductos was responsible by the Concept and Detail Design of:

- Water Supply Installation Equipment;
- Fire Fighting Installation Equipment;
- Sewage and Drainage Installation Equipment;
- Underground Drainage;
- Gas Installation Equipment;
- Hidraulic Circuits of the Pool.

DATE

May 2004

Adress Lisbon-Portugal



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