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References by activity

CONSTRUCTION

References by activity

CONSTRUCTION

Spain

- Casa de las Artes
- Data Processing Unit
- 7000 Building
- Aerópolis Building
- Mundo Building
- High School BN Rota
- Griffith Laboratories
- Courthouse

Haiti

- Haiti Hospital

Panama

- David Hospital

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CONSTRUCTION

7000 BUILDING

LOCATION ▸ Aljaraque. Huelva (Spain)

CUSTOMER ▸ Huelva Science and Technology Park

PROJECT SCOPE:

Consortium construction of the building for the New Innovation and Technology Transfer Centre at the Huelva Science and Technology Park

AMOUNT ▸ EUR 20 million (ENO 50%)

START DATE ▸ august 2011

FINISH DATE ▸ january 2013

CHARACTERISTICS:

- Surface area: 8,520 m^2, with 4,668 m^2 underground parking space
- Foundations: concrete piles, bracing slab and sealed concrete perimeter walls
- Reinforced concrete and metal structure
- Outer curtain wall cladding with glass finish
- Roofing with greenery and PV panels
- Wiring
- Mechanical facilities: sanitation, plumbing, city gas air conditioning, ventilation and lifts
- Comprehensive centralised management system
- Fire protection system
- Voice-data facility: installation of 92 m^2 DPC with 16 multimodal optic fibre backbone lines with 12 bi-fibres each; installation of 61 partial racks

SPAIN

Aljaraque. Huelva (Spain)

CONSTRUCTION

7000 BUILDING

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CONSTRUCTION

AEROPOLIS BUILDING

LOCATION ▸ La Rinconada. Sevilla (Spain)

CUSTOMER ▸ Parque Tecnológico y Aeronáutico de Andalucía

PROJECT SCOPE:

Consortium construction of two office blocks on plots 72 and 73 of the Andalusian Technology and Aeronautics Park - 8,347 m^2 and 10 storeys, with 2 basements each

AMOUNT ▸ EUR 20 million (ENO 50%)

START DATE ▸ february 2010

FINISH DATE ▸ march 2012

CHARACTERISTICS:

- Groundworks: excavation to -8 m.
- Foundations: 100 cm reinforced concrete base and 30 cm perimeter walls.
- Soil enhancement with an injection of a stable cement-bentonite mix.
- Load-bearing structure: combination of steel and concrete.
- Horizontal structure: heavy-duty reinforced concrete slabs.
- Facades: double galvanised steel sandwich panels. Double glazing.
- Flooring: transit areas in polished natural stone, brightened in situ. Office areas with accessible technical flooring.
- Accessible false ceiling for equipment.
- Cold drinking water: connection from mains supply to the water tank, with pressurised distribution to the entire building.
- Hot water for sanitation: on the roof of a solar farm of thermal arrays.
- Electricity supply: contribution of photovoltaic panels (12.25 Kwp).
- Telecommunications: Voice backbone (TB and RDSI) and data backbone
- Lifts for 8 people (maximum load 630 kg)

SPAIN

La Rinconada. Sevilla (Spain)

CONSTRUCTION

AEROPOLIS BUILDING

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CONSTRUCTION

CASA DE LAS ARTES

LOCATION ▸ Cádiz (Spain)

CUSTOMER ▸ Education Department, Regional Government of Andalusia

PROJECT SCOPE:

Design and construction of the Casa de las Artes educational facility in Cádiz for 1,575 music, dance and art students. It consists of 3 buildings with a ground floor and three more storeys, and a transversal structure with a ground floor and two more storeys with spaces for common use

AMOUNT ▸ EUR 7 million

START DATE ▸ july 2010

FINISH DATE ▸ july 2012

CHARACTERISTICS:

- Built area of 16,230 m^2 on a plot of 8,668 m^2
- Capacity for 1,575 students:
  - 430 in the Dance Conservatory
  - 700 in the Music Conservatory
  - 445 in the Art School
- Foundations
- Concrete and metal structure
- Outer cladding of facade
- Roofing
- Internal divisions and claddings
- Wiring
- Mechanical facilities
- Comprehensive centralised management system
- Fire protection system
- Voice/data facility
- Metalwork
- Woodwork
- Landscaping

SPAIN

Cádiz (Spain)

CONSTRUCTION

CASA DE LAS ARTES

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CONSTRUCTION

COURTHOUSE

LOCATION ▸ San Sebastián (Spain)

CUSTOMER ▸ Basque Regional Government

PROJECT SCOPE:

Complete refurbishment of San Sebastián courthouse (Provincial Court)

AMOUNT ▸ EUR 10 million

START DATE ▸ december 2003

FINISH DATE ▸ december 2006

CHARACTERISTICS:

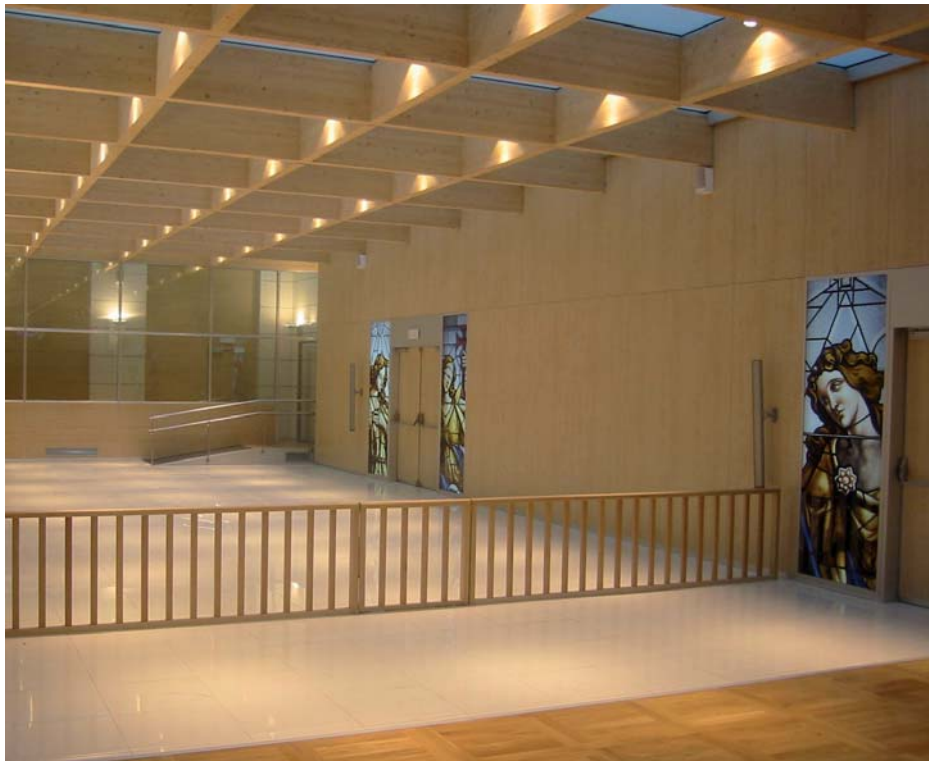
- Demolition of interior
- Reinforcement of composite flooring
- Internal divisions
- Full restoration of sandstone facade and roof
- Fine hardwood cladding inside the building
- Restoration of stained-glass windows
- Roof skylight
- Work on sanitation, plumbing, heating, ventilation, air conditions, electrical system, lighting, gas, voice-data system, PA system, CCTV, fire detection, access control and security, water-mist firefighting system

SPAIN

San Sebastián (Spain)

CONSTRUCTION

COURTHOUSE



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CONSTRUCTION

DATA PROCESSING UNIT

LOCATION ▸ Cerdanyola del Vallès (Spain)

CUSTOMER ▸ La Caixa

PROJECT SCOPE:

Construction of the building for the New CD2 Data Processing Unit for La Caixa

AMOUNT ▸ EUR 24 million

START DATE ▸ january 2014

FINISH DATE ▸ april 2015

CHARACTERISTICS:

- Surface area: 9,405 m^2
- Foundations: concrete piles and pile caps
- Structure: poured concrete at building A and prefab concrete at buildings B and C (prefab pillars-girder beams and hollow-core slabs)
- Wiring (LV and MV)
- Mechanical facilities: sanitation, plumbing, air conditioning, ventilation and lifts
- Comprehensive centralised management system
- Fire protection system (detection, sprinklers, fire hose cabinets, hydrants and water-mist system)

SPAIN

Cerdanyola del Vallès (Spain)

CONSTRUCTION

DATA PROCESSING UNIT

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CONSTRUCTION

GRIFFITH LABORATORIES

LOCATION ▸ Valls. Tarragona (Spain)

CUSTOMER ▸ Griffith Laboratories

PROJECT SCOPE
Complete buildings and facilities of some new laboratories in a 7,000 m^2 plant designed to expand the production line for liquid condiments

AMOUNT ▸ EUR 6 million

START DATE ▸ January 2016

FINISH DATE ▸ June 2016

CHARACTERISTICS:

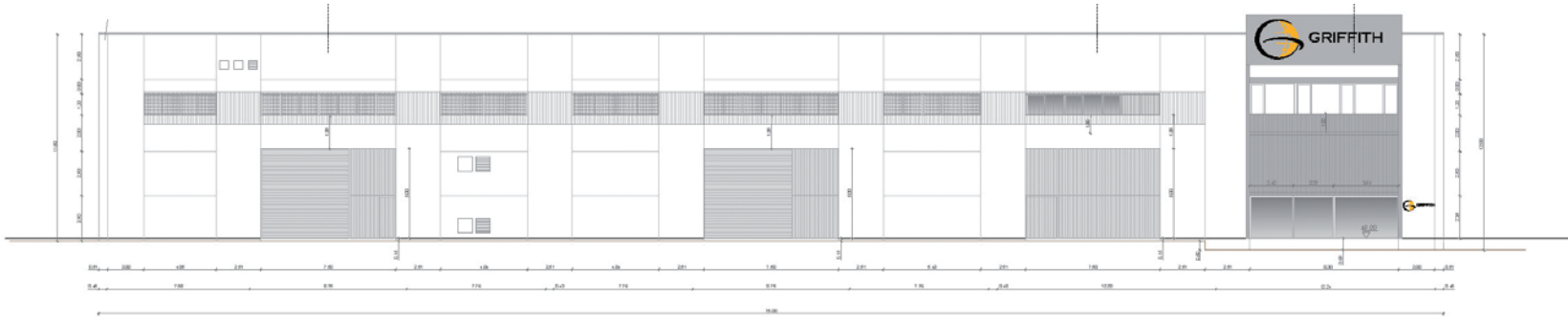
- Foundations
- Structure
- Landscaping
- Internal architecture
- Wiring (MV and LV)
- Mechanical facilities
- HVAC systems
- Ventilation
- Fire protection
- Plumbing
- Sanitation
- Voice and data
- Steam
- Compressed air
- Access control
- CCTV
- Intrusion and security

SPAIN

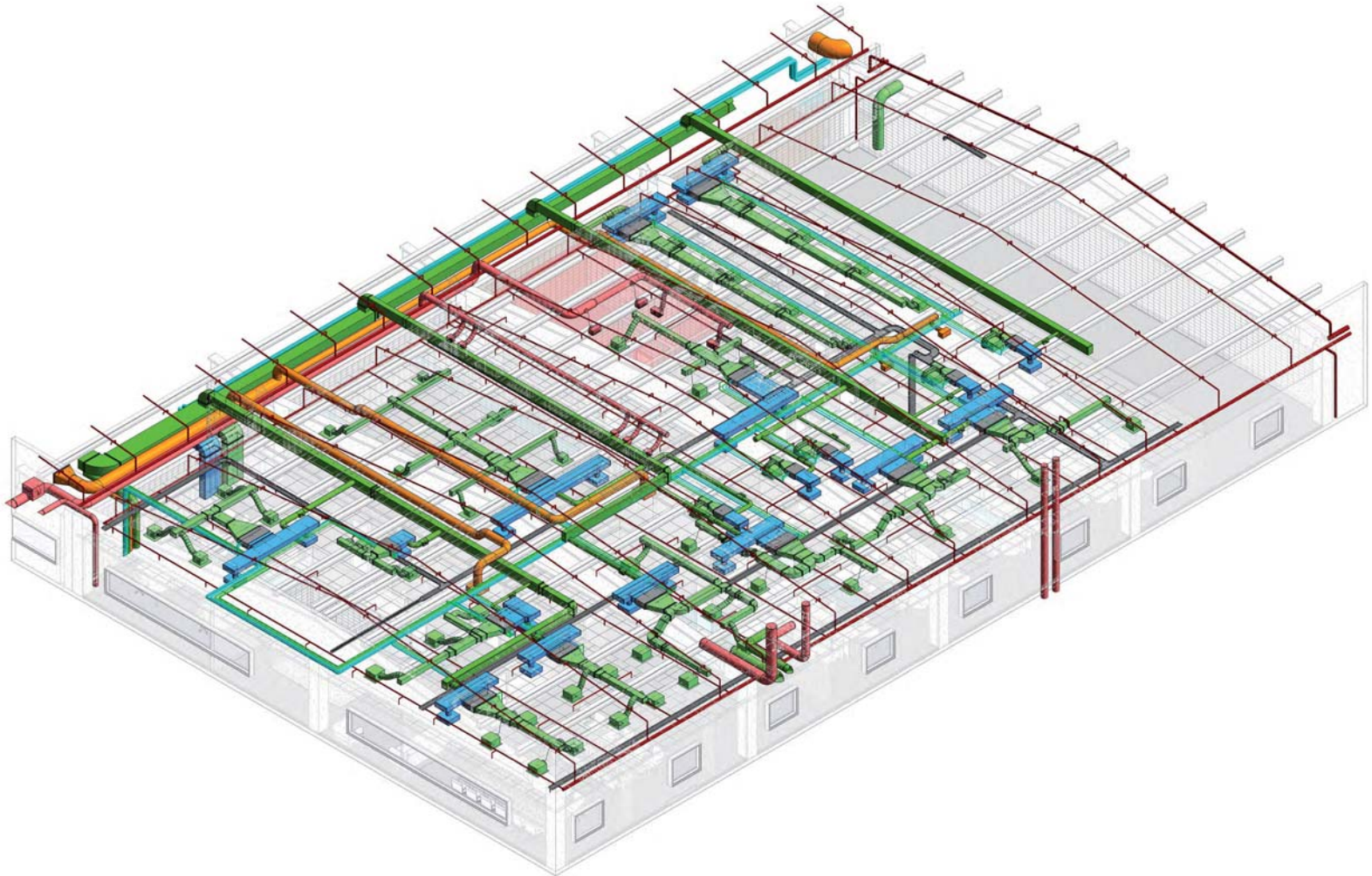
Valls. Tarragona (Spain)

CONSTRUCTION

GRIFFITH LABORATORIES



FACADE A



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CONSTRUCTION

HIGH SCHOOL BN ROTA

LOCATION ▸ Rota. Cádiz (Spain)

CUSTOMER ▸ Rota Naval Base

PROJECT SCOPE:

Consortium construction of the US Government Naval Base in Rota's High School Addition

AMOUNT ▸ EUR 18 million (ENO 50%)

START DATE ▸ december 2007

FINISH DATE ▸ march 2010

CHARACTERISTICS:

- Surface area: 6,600 m^2 on 2 storeys
- Demolition and removal of old buildings
- Construction of the new structure of a main two-storey building and two single-storey ancillary areas
- Concrete outer walls in concrete and concrete composites on concrete beams and foundation shoes
- Tiled roof on slabs with a one-way composite system
- Includes sanitation facilities, plumbing, mechanical facilities and controls for air conditioning, wiring, fire detection and protection equipment, PA system and centralised control system, indoor wooden furnishings, gardening and outdoor furnishings

SPAIN

Rota. Cádiz (Spain)

CONSTRUCTION

HIGH SCHOOL BN ROTA

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CONSTRUCTION

MUNDO BUILDING

LOCATION ▸ Aldaia. Valencia (Spain)

CUSTOMER ▸ Riofisa

PROJECT SCOPE:

Construction of a special building for commercial premises, a gym and office space on two levels

AMOUNT ▸ EUR 5 million

START DATE ▸ december 2001

FINISH DATE ▸ may 2002

CHARACTERISTICS:

- Foundations
- Reinforced concrete and metal structure
- Non-traversable deck-type inverted gym roof
- Prefabricated lacquered sheet steel cladding
- Curtain walls
- 20x20x40 preformed concrete blocks
- Metalwork
- Wiring
- Gas installations
- HVAC systems
- Ventilation
- Plumbing and sanitation
- Fire protection and detection system
- Telecommunications

SPAIN

Aldaia. Valencia (Spain)

CONSTRUCTION

MUNDO BUILDING

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CONSTRUCTION

HAITI HOSPITAL

LOCATION ▸ Port-au-Prince (Haiti)

CUSTOMER ▸ Haitian Ministry of Finance

PROJECT SCOPE:

Fast-track design and construction of the Haiti University Hospital

AMOUNT ▸ EUR 40 million

START DATE ▸ february 2014

FINISH DATE ▸ 2016

CHARACTERISTICS:

- 22,500 m^2, with over 500 beds, 10 operating theatres and an outpatient service.
- The project involves 9 blocks built around a central boulevard.
- The various blocks are connected by a gangway system to unify the structure and provide additional space should this be required. The main features of the project are its light and natural ventilation.
- The secondary building will house all the hospital's facilities and services, and will be connected to the main building by a gangway

CENTRAL AMERICA

Port-au-Prince (Haiti)

CONSTRUCTION

HAITI HOSPITAL

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CONSTRUCTION

DAVID HOSPITAL

LOCATION ▸ David. Chiriquí province (Panama)

CUSTOMER ▸ Caja del Seguro Social

PROJECT SCOPE:

Survey work, design and construction of the extension to the Dr. Rafael Hernández specialist hospital, featuring a new block for external consultations and a medical/surgical block

AMOUNT ▸ EUR 26 million

START DATE ▸ march 2013

FINISH DATE ▸ may 2016

CHARACTERISTICS:

- 50,000 m^2
- The full functional programme, including the old hospital's facilities, will have the following services:
  - 8 imaging exploration rooms
  - 14 emergency consultation facilities
  - 854 parking spaces
  - 62 medical units
  - 12 operating theatres
  - 600 beds
- The project is in two phases - phase one concerns external consultations and specialist services, while phase two focuses on hospitalisation and the surgical unit

CENTRAL AMERICA

David. Chiriquí province (Panama)

CONSTRUCTION

DAVID HOSPITAL

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