



Building and Industrial Construction



Improvement of Industrial Storage

Parque Industrial e Logístico SAPEC Bay / Setúbal
(Portugal)

Work Description

SAPEC QUÍMICA awarded to Seth the requalification works of the industrial unit located in the Sapec bay Industrial and Logistic Park, specifically in the execution of the demolition works of the storage area of the existing building with approximately 1,901.37 m² of construction area and for its replacement, in the construction of a building with an area of 2,240.00 m² designated by a 70x32 spacecraft, also destined to the use of storage, in the construction of technical gallery under the new warehouse and supply of installation of crossings and set of tubes , support infrastructures and external pavements.

The contract also included the elaboration of the following projects of the specialties:

- Stability project;
- Project fire safety in buildings;
- Electricity and communications project;
- Project of pavements in concrete and bituminous, which also contemplates the exterior of the work area;
- Projects of water and domestic effluents;
- Project of requalification of the network and containment of treated rainwater and industrial waters and control of spills;
- Gas, thermal and acoustic projects.



Work Summary

Client	SAPEC QUÍMICA, SA
Contract Type	Lump Sum
Construction Period	2018 - 2019
Cost	€ 1 368 299,98





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Industrial Storage

Parque Industrial SAPEC Bay / Setúbal (Portugal)

Work Description

SAPEC AGRO awarded to Seth the construction of the new Warehouse S2/S3 inside the industrial park SAPEC BAY (Setubal), in order to ensure the increase in storage capacity of finished products are manufactured in SAPEC

AGRO.

With a 4,100 m2 area of deployment this warehouse has been designed and implemented to work with four distinct storage areas ("cantons") and separated by firewalls, connected by a central corridor. The minimum right foot is 10 m in all storage spaces. Even within the covered warehouse area was performed a technical area offices with two floors with a total area of 250 m2.

The Warehouse S2/S3 was built in less than seven months, and included the following work:

- Demolition of existing single floor slab, 4,300 m2;
- General excavation for platform preparation, 6,000 m3;
- Existing retaining wall replacement, 70 ml;
- Implementation of direct foundations/in-situ shoes, 450 m3;
- Prefabrication and installation of concrete elements: pillars (70 pcs), prefabricated panels (4,000 m2) and beams (24 m long);
- Panel type "sandwich" mounting in rock wool on the roof and on the facade;
- Execution of armed storey slabs with surface hardener-4,000 m2;
- Implementation of infrastructure electricity and telecommunications;
- Installation of 18 outflow points in the coverage.



Work Summary

Client	SAPEC-AGRO, SA
Contract Type	Lump Sum
Construction Period	2015 - 2016
Cost	€ 1 840 000,00

Main quantities

- 10.000 m2 of reinforced concrete floor;
- 170 tons of metal structures;
- 1.000 m3 of concrete foundations and various structures.





Building and Industrial Construction



Renovate Building T-715 for Civil Engineering (CE) Consolidation Efficiency

Lajes Field, Terceira Island, Azores (Portugal)

Work Description

Existing building renovation in Lajes Field, Azore (Portugal), to accommodate United States Air Force (USAF) Civil Engineering Squadron (CES).

The work includes

- Selective demolition including Asbestos and Lead based Paint abatement and disposal;
- Reconfiguration of programmatic spaces which consist mostly of offices, conference rooms, storage, bathrooms, and utilities shop space;
- New roof system installation (LSF structure and roof panels);
- Exterior wall repairs and painting;
- Finish upgrades including partitions, pavements, ceilings and doors;
- Elevator installation;
- HVAC system and Direct Digital Control installation;
- Interior water distribution installation and water main connection;
- Sewer system installation (interior and connections to main);
- Electrical System installation/conversion to European standards including: Transformer; Electrical Panels; Cable Trays; Cables-Accessories; Luminaires; Lightning Protection System; Grounding; Generator Set installation; New Communication System (cable tray, cables, accessories and racks); Fire alarm and Sprinkler system installation.



Work Summary

Client	USAF – United States Air Force
Contract Type	Lump Sum
Construction Period	2021 - 2022
Cost	€ 3 608 867,04



Building and Industrial Construction



Convert T-611 to LRS Vehicle Maintenance

Lages Field, Terceira Island, Azores (Portugal)

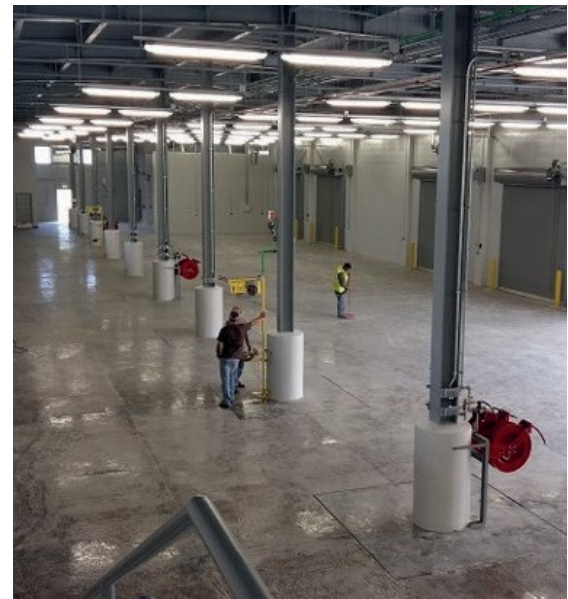
Job description

The 65th Contracting Flight (USAF) granted for Seth the work contract to Convert T-611 to LRS Vehicle Maintenance at Lages Field, Azores, Portugal.

Renovation of the existing T-611 building was promoted to convert the facility from a warehouse into a vehicle maintenance shop.

The scope of work includes

- Selective demolition of significant portions of the existing warehouse building and constructing new cast-in-place concrete walls and steel roof structure.
- Alterations to site utilities, architectural, structural, plumbing, HVAC, fire protection, fire alarm, and electrical systems will be required as described in drawings and specifications.
- Work also includes all incidental and related tasks necessary to provide a complete and usable facility for its intended purpose.



Work Summary

Client	USAF – United States Air Force
Contract Type	Lump Sum
Construction Period	2014 - 2016
Cost	€ 1 579 124,62





Building and Industrial Construction



Sines LPG Bottle Filing Plant Sines Refinery of Galp, SA

Sines (Portugal)

Work Description

Seth, SA, carried out all the civil construction work for the Gas Bottle Filling Plant undertaken at the Sines Refinery of Galp, SA, where its customer was Galp Gás, SA.

Of the work undertaken, we would underscore the filling building, the office building (including electricity, water and drains networks), the porters buildings (including the electricity network), the fork-lift truck garage, the steel pipe rack to support the pipework over the railway line, the compressed-air and pumping equipment foundations, the entire water and drains networks, as well as connecting up with the Existing networks, the electrical and instrumentation networks, 10,000 m2 of concrete flooring for the full and empty bottle store, as well as full support to all the civil construction work in respect of the installation of the booster pumps using to supply the gas to the new facility.



Main quantities

- 10,000 m2 reinforced concrete paving;
- 170 tonnes of steel structures;
- 1.000 m3 of concrete for foundations and sundry structures.

Work Summary

Client	TECHNIP PORTUGAL, SA
Contract Type	Lump Sum
Construction Period	2004 - 2005
Cost	€ 2 000 000,00





Building and Industrial Construction



Dyrup - Warehouse for Finished Products

Sacavém (Portugal)

Work Description

Construction of a prefabricated metal building.

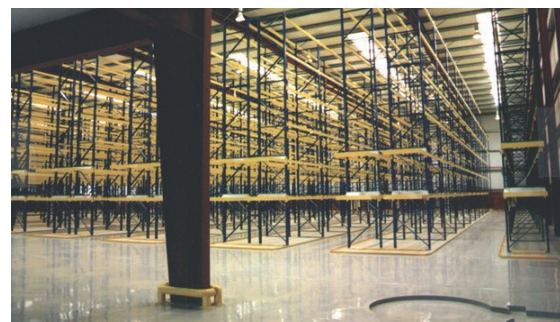
- Dimensions : 70 x 51 m
- Free span: 54m
- Concrete: 4100 m³
- Exterior pavements : 4 500 m²
- Earth fill: 17 500 m³
- Warehouse ground slab sized for 100 kN concentrated live load.

Main features

- Mezzanine for office space (70 x 10 m).
- 10 loading/unloading docks with hydraulic platforms and electrical system
- Full thermal insulation
- Landscaping

Structural design: Planegé

Mechanical/Electrical: Planegé



Work Summary

Client	Tintas Dyrup, SA
Contract Type	Lump Sum
Construction Period	1997 - 1998
Cost	PTE: 446 400 000





Building and Industrial Construction



Rainha Sta. Isabel Secondary School Severim de Faria Secondary School

Estremoz / Évora (Portugal)

Job Description

Seth (in consortium with two other companies) has carried out rehabilitation work at the Rainha Sta. Isabel Secondary School (in Estremoz) and at the Severim de Faria Secondary School (in Évora).

These jobs, included in "Stage 2A of the Secondary Schools Modernisation Programme- Let 2AS3" in respect of the schools of Évora and Estremoz, were awarded to the consortium for the sum of 22,680,401.33 euros.

The works included remodelling, modernisation and (in some cases) enlargement of the schools, the idea being to rehabilitate and modernise the buildings and to re-establish their physical and functional efficacy, from a standpoint of creating conditions to provide modern education suited to the programme contents, the didactic contents and the new information and communication technologies.



Rainha Sta. Isabel Secondary School

Location: Estremoz

Planned capacity: 39 classes

Architecture / Project Co-ordination: José Laranjeira

Completion deadline: 15 months

Cost: EUR 12,207,000.00

Severim de Faria Secondary School

Location: Évora

Planned capacity: 36 classes

Architecture / Project Co-ordination: FSSMGN Arquitectos, Lda (Fernando Sanches Salvador and Margarida Grácio Nunes)

Completion deadline: 15 months

Cost: EUR 10,980,000.00

Work Summary

Client	Parque Escolar, EPE (Entidade Pública Empresarial)
Contract Type	Lump Sum
Construction Period	2009 - 2010
Cost	€ 23 187 000,00





Building and Industrial Construction



Secondary School Modernisation Programme at Pontinha

Pontinha (Portugal)

Description of works

Seth (in consortium with two other companies) carried out the modernization work of Freire Bramcamp Secondary School, located at Rua Dr. Gama Barros, Pontinha, Amadora.

These works, integrated into the process of "modernization for phase 3A of the Schools Modernisation program with Secondary Education- Lot 3 L1 EI" were awarded to the consortium by the value of 12,476,478.86 euros.

The works comprised the refurbishment, modernization and expansion of that school, in order to rehabilitate and modernize the buildings, restoring the physical and functional effectiveness, with a view to creating conditions for the practice of a modern education, adapted to the syllabus, to teaching and new technologies of information and communication.



Work Summary

Client	Parque Escolar, EPE (Entidade Pública Empresarial)
Contract Type	Lump Sum
Construction Period	2011 - 2012
Cost	€ 12 476 478,00





Building and Industrial Construction



Secondary School Modernisation Programme at Bragança

(Portugal)

Description of works

Seth (in consortium with two other companies) carried out the modernization work Emídio Garcia Middle School, located at Rua Eng. Adelino Amaro da Costa, the city of Bragança.

These works, integrated into the process of "modernization for phase 3A of the Schools Modernisation program with Secondary Education- Lot 3EN10" awarded to the consortium by the value of 12,950,871.18 euros.

The works comprised the refurbishment, modernization and expansion of these schools, in order to rehabilitate and modernize the buildings, restoring the physical and functional effectiveness, with a view to creating conditions for the practice of a modern education, adapted to the syllabus, to teaching and new technologies of information and communication.



Work Summary

Client	Parque Escolar, EPE (Entidade Pública Empresarial)
Contract Type	Lump Sum
Construction Period	2011 - 2012
Cost	€ 12 950 871,18





Building and Industrial Construction



5 Star Touristic Luxury Apartments

Reserve – Quinta do Lago (Almancil, Loulé, Algarve (Portugal))

Work Description

Seth executed (in Consortium) a five-star tourist resort, called "Reserve", consisting of twenty-six (26) tourist apartments, residents' club and respective exterior arrangements, on a 14.000 square meters plot of land located in Quinta do Lago, municipality of Loulé (Algarve, Portugal).

The five-star luxurious touristic resort is conveniently located, with easy access to all major freeways, comprises luxury villas with garden and penthouses, private parking, individual swimming pools and private elevators.

This tourist village has its own Residents' Club and respective gardens and external works, restaurant, bar, private playground and sports fields.



Work Summary

Client	Quinta Reserva - Empreendimentos Imobiliários e Turísticos, SA
Contract Type	Lump Sum
Construction Period	2017 - 2018
Cost	€ 23 500 000,00





Building and Industrial Construction



Corporate Headquarters

Queijas, Oeiras (Portugal)

Work description

The main goal in the design of the new headquarters underwent achieve harmonize three fundamental aspects: aesthetics, functionality and energy efficiency.

The main dimensions of the building are the following:

- Deployment area - 1334m²
- Construction area above ground - 1583m²
- Building area buried - 1289m²
- Sealed area - 1725m²
- Cércea maximum - 10.93 m

The building consists of 4 floors. The floor-2 intended to parking with 30 places, has 4 rooms and equipment storage pumping rainwater and sewage.

At floor-1 are given various types of usage: Living surveillance, parking for 20 cars, storage, gym, locker rooms, cafeteria, kitchen, boiler room, and the Medical Centre. On the floors above ground and the offices are situated on the top floor are located the air handling equipment, air conditioning and building solar panels and photovoltaic.

The interior areas of the floors are:

- Floor -2 -1289m²
- Floor -1 -1289m²
- Level 0 - 858m² 1st Floor - 642m²

Think about a high efficiency over the life of the building, installed the following materials and equipment: automatic climate control and lighting inside the building; lights low power, installation of shade visors; glazing solar in south facades and exterior walls consist of two panels of masonry, air-box and "Wallmate", thus enabling to obtain low heat transfer coefficients.

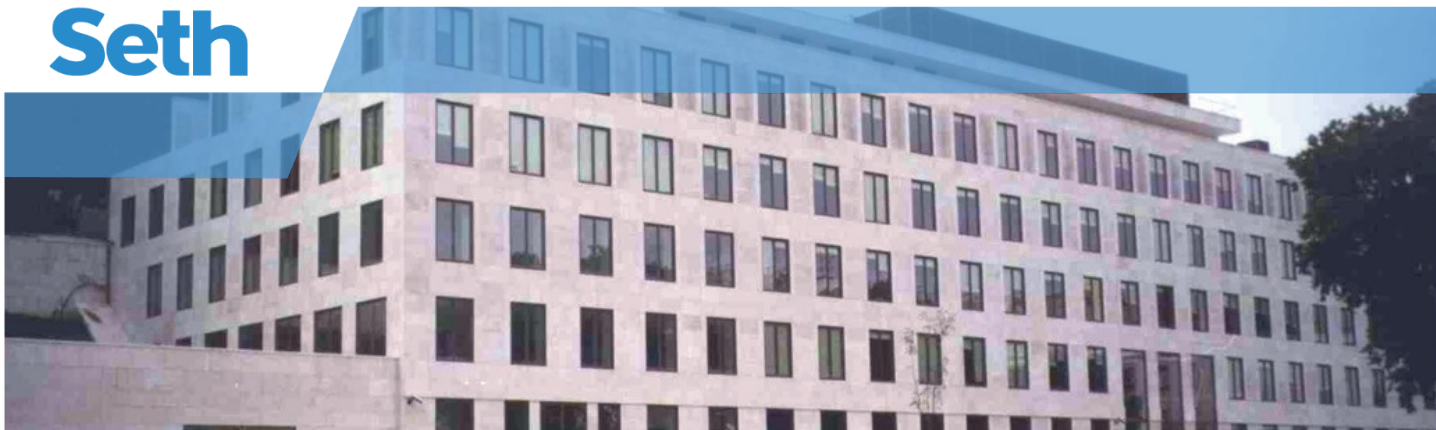
In order to reduce the consumption of mains water, installed a system of rainwater harvesting, which after treatment are used in the discharges of toilets, taps of service garages (washing floors) and outside building, for watering the gardens.



Work Summary

Client	Seth, SA
Contract Type	Lump Sum
Construction Period	2008 - 2009
Cost	€ 3 450 000,00





Building and Industrial Construction



Parliament Building Addition

2nd Phase – Finishes

Lisbon (Portugal)

Work description

Main figures:

- 9 levels
- 170 offices and meeting rooms
- Auditorium and restaurant
- 155,000 sq.ft of marble cladding
- Installation
- 6 elevators
- General Finishing Work Contract (level -3 until level 6)
- Marble cladding on the exterior walls
- Interior wall finishes with marble cladding; solid oak door frames and doors
- Double-glazing windows with solid brass frame

Inspection agency: Cinclus, SA

Mechanical & Electrical : Eng. Rodrigues Gomes & Associados

Architect: Fernando Távora (Professor Oporto University)



Work Summary

Client	Assembleia da República Portuguesa
Contract Type	Lump Sum
Construction Period	1998 - 1999
Cost	PTE: 2.300.000.000

