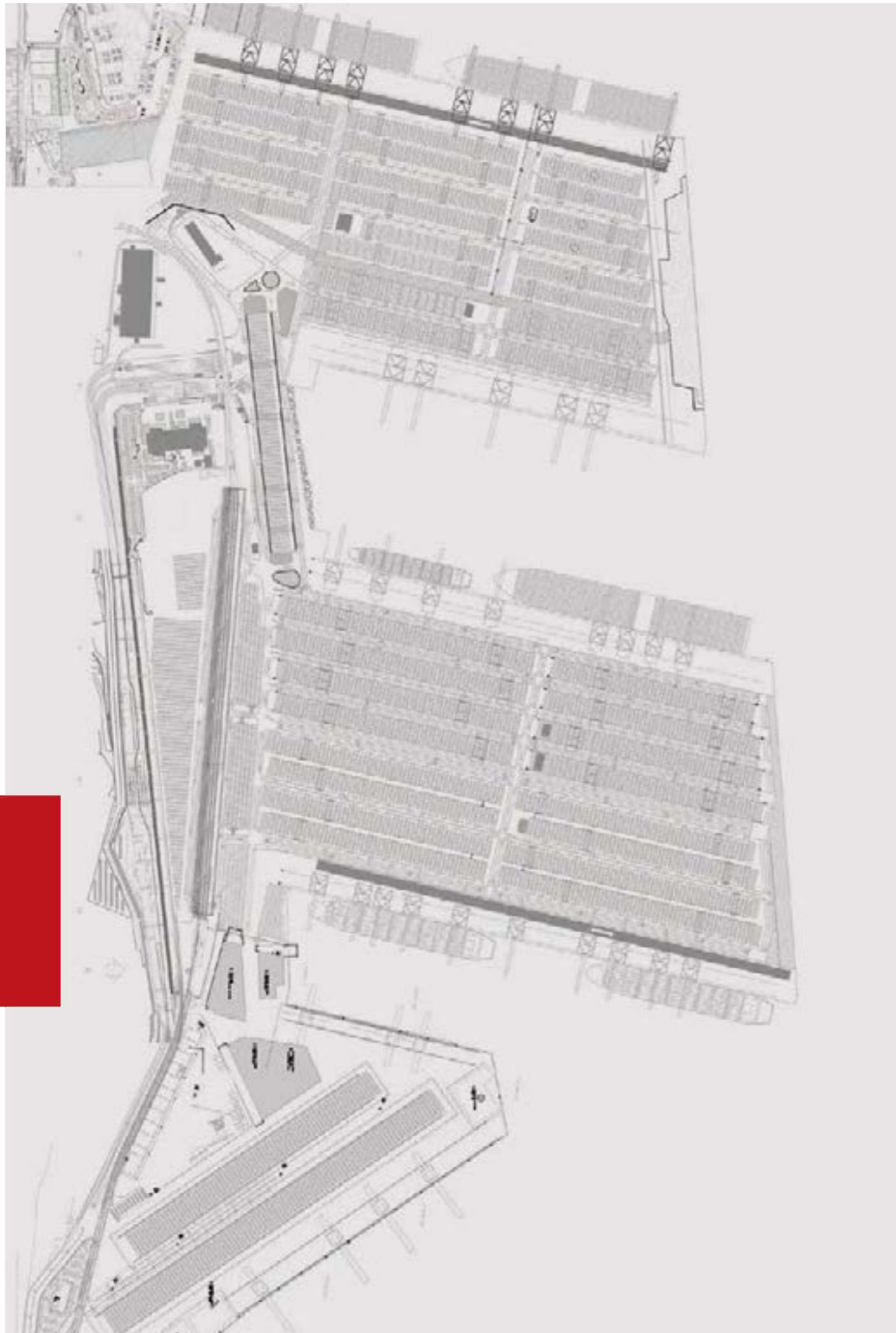


**DomosFeron**  
CONSULTING ENGINEERS





# PROFILE

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Our company was established in 2009 as a cooperation of two companies, DOMOS Design Laboratory IKE and FERON Techniki. DomosFeron provides its clients specialised services that cover the whole spectrum of engineering and management consultancy.

The company has enriched its capabilities in architectural, civil, structural and E/M studies, as well as geotechnical and environmental investigations, harbor and plant engineering, in cooperation with professionals and companies specialized in port installation and infrastructure projects.

Since 2010 the company is specifically focused on preparing the necessary design studies for the port facilities of the Piraeus Container Terminal, in N. Ikonio, Perama, the project management and the supervision of the infrastructure works and provides technical consultancy services in PCT S.A. (a subsidiary of China COSCO Shipping Corporation Limited).

DomosFeron applies a quality system for any studies and services, which comply with the requirements of International Standard ISO 9001: 2015.



# TEAM

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Our team consists of engineers with experience and significant expertise, that covers all fields of the services that we provide.

In addition, a number of permanent associates cover every special need that may arise during the projects that we undertake.

## Partners

Christos Vachliotis  
Project Director - Civil Engineer

Dimitris Papamichail  
Senior Project Manager - Civil Engineer, MSc

Dimitris Lampaditis  
Senior Project Manager - Civil Engineer

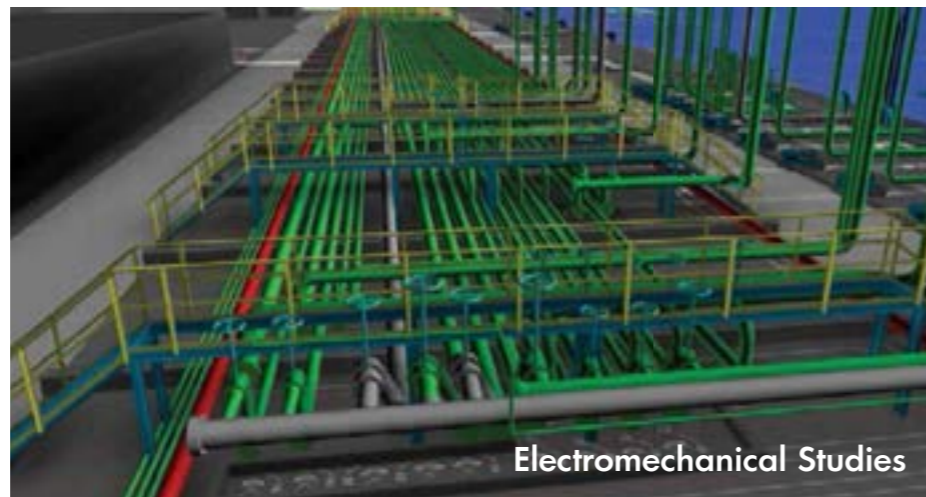




# SERVICES



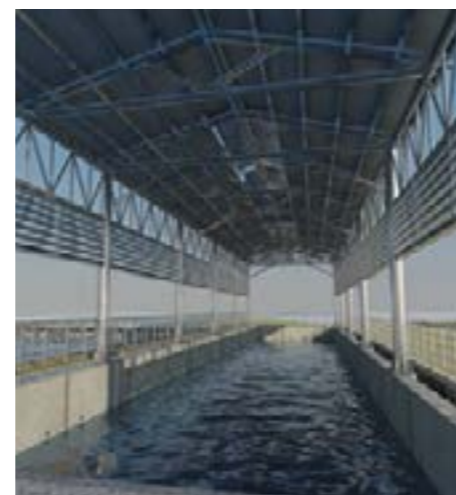
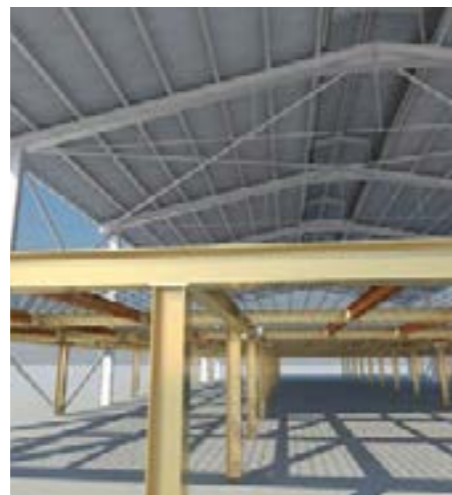
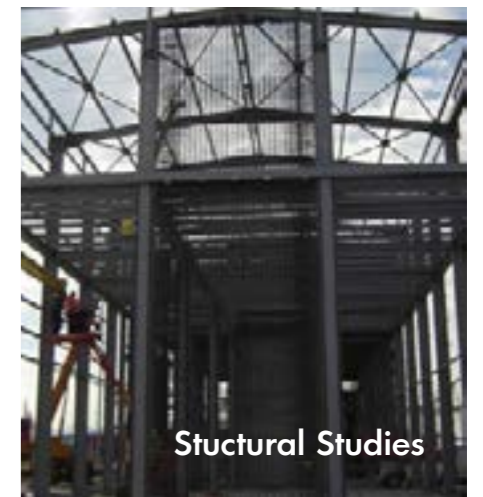
- Consulting Services
- Design and planning
- Architectural Studies
- Structural Studies
- Electromechanical Studies
- Environmental Studies
- Geotechnical Studies
- Marine & harbor Studies
- Project management
- Project Supervision
- Project budgeting



Domos Lab-Feron Techniki provides specialized services that cover the whole spectrum of engineering and management consultancy and operates successfully in the construction sector, regarding marine and infrastructure works.

The Company provides qualitative services to public and private clients for domestic and international projects.

For the successful delivery of each project, the Company applies high-end methodologies according to the national and international standards.

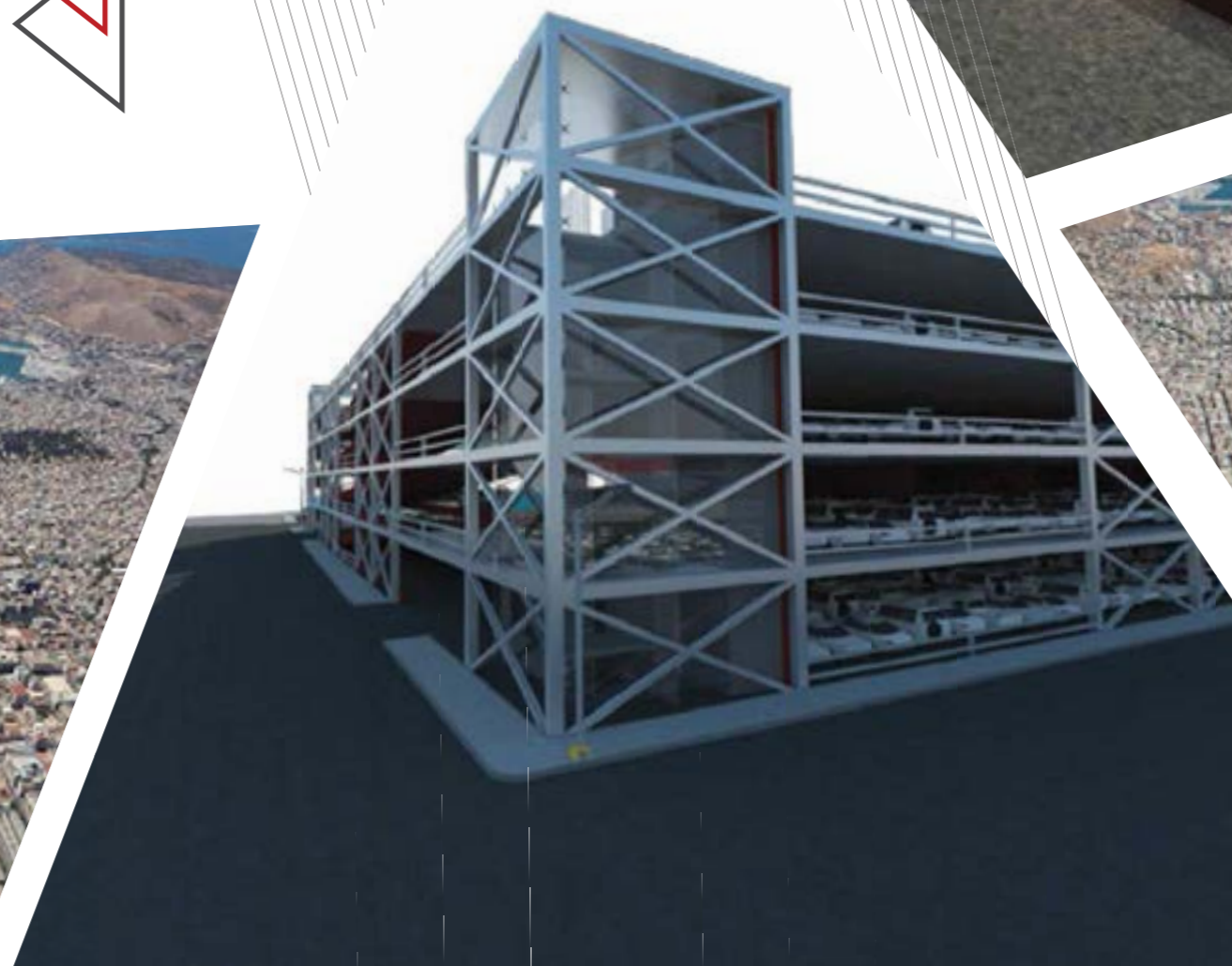
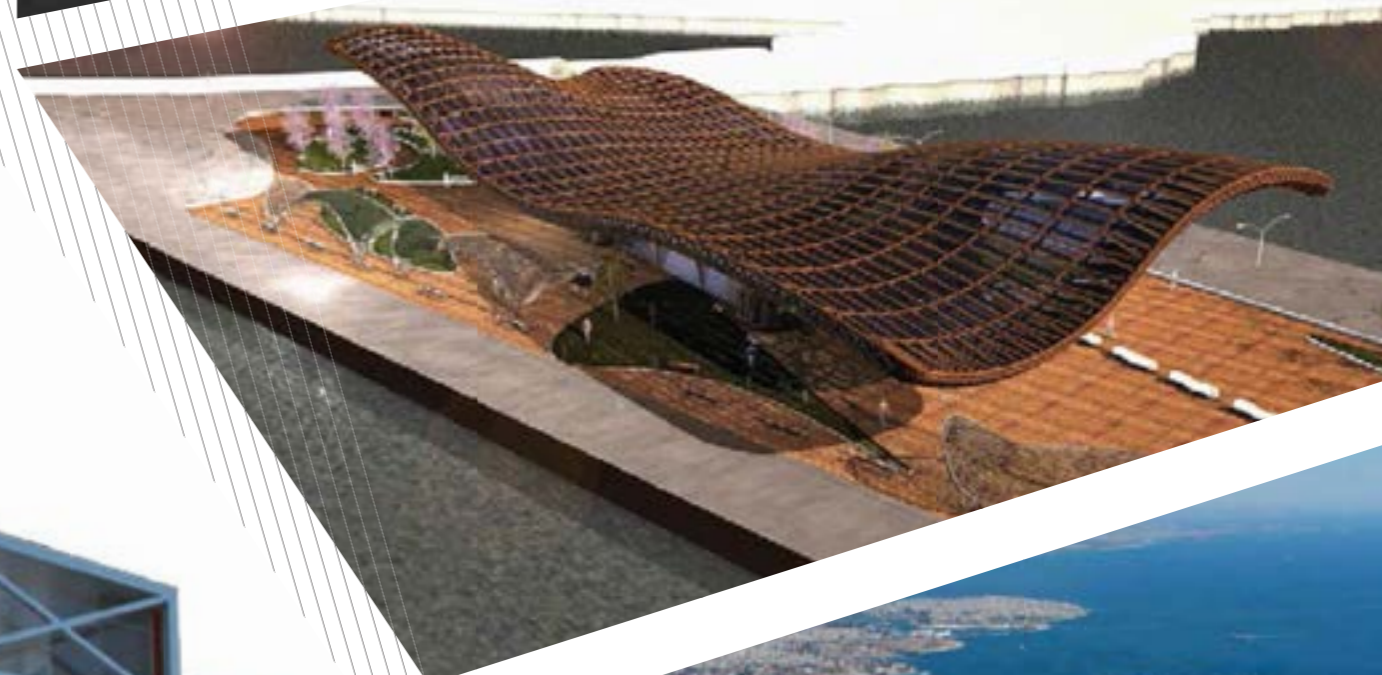


## Privatization of PPA S.A.

### Project Data

DomosFeron was assigned with the compilation of the investment and business plan from a technical perspective, along with the concept design and construction engineering during the tender process of the project.

Through the assessment and evaluation of the existing condition of PPA's fixed assets, DomosFeron proposed a strategic view, by identifying the key factors for the port growth. The development of CAPEX projects per business sector has occurred upon cost-benefit analysis, SWOT analysis, feasibility studies and risk assessment. The preliminary studies included drawings, construction methodology and cost estimation.



## Restoration of Pier II, Piraeus

### Project Data

Duration: 2010-2012  
 Project Owner: PCT S.A.  
 Client: China COSCO Shipping Corporation Limited  
 Project Budget: 61.500.000€  
 Western quay wall: 700m  
 Operational Depth -16.50m  
 Eastern quay wall: 800m  
 Operational Depth: -14.50m  
 Total area: 500.000 m2  
 Capacity= 3.2mi TEU

### Info

Design and Project Management Services for the upgrade of the existing Pier II in S.EMPO, which is located within the concession area of PCT S.A. Repair works were carried out partially, within the contractual time schedule of 26 months, during the loading/unloading process, without interrupting the operation of the port. The stacking capacity of the Pier was raised from two (2) containers in height, to six (6), in order to increase the total capacity. Some of the works included are also: restoration of the existing pavements, capping beam construction, installation of 14km length crane rails and installation of new electro-mechanical networks.



## Construction of East Pier III, Piraeus

### Project Data

Duration: 2011-2016  
 Client: China COSCO Shipping Corporation Limited  
 Project Budget: 125.000.000€  
 Quay wall length: 800m  
 Operational Depth: -18,50m  
 7.000.000 tons filling material  
 34 reinforced concrete caissons  
 Total area: 150.000m2  
 Capacity= 1.1mi TEU

### Info

Design and Project Management Services for the construction of a new pier in S.EMPO on the east side of Pier II, in a sea depth of approximately 35,00m. The quay wall was constructed with caissons using a specialized slip-forming technique provided from Gleitbau Salzburg company. Within the contractual time period of 21 months, 500,00m of the east part of Pier III have been completed and delivered to PCT S.A.





## Construction of West Pier III, Piraeus

### Project Data

Duration: 2015-2018  
 Project Owner: PCT S.A.  
 Client: China COSCO Shipping Corporation Limited  
 Project Budget: 144.000.000€  
 Total Area: 136.000m<sup>2</sup>  
 Quay wall length: 876m  
 Operational depth: -18,50m (south) & -19,50m (north)  
 >7.000.000 tons filling material  
 145.000m<sup>3</sup> concrete  
 40 reinforced concrete caissons  
 Capacity= 1.9mi TEU

### Info

Design and Project Management Services for the construction of the West side of Pier III in S.EMPO, which is an on-going project. The construction technique is the same as the one used for the construction of East Pier III (quay wall with caissons). The works initiated on February 2015 and 400,00m of the Pier were completed and delivered to the client on August 2016. The completed part of the Pier is currently in use and is operating successfully, while the rest of the Pier is under construction and will be delivered by the end of 2018.

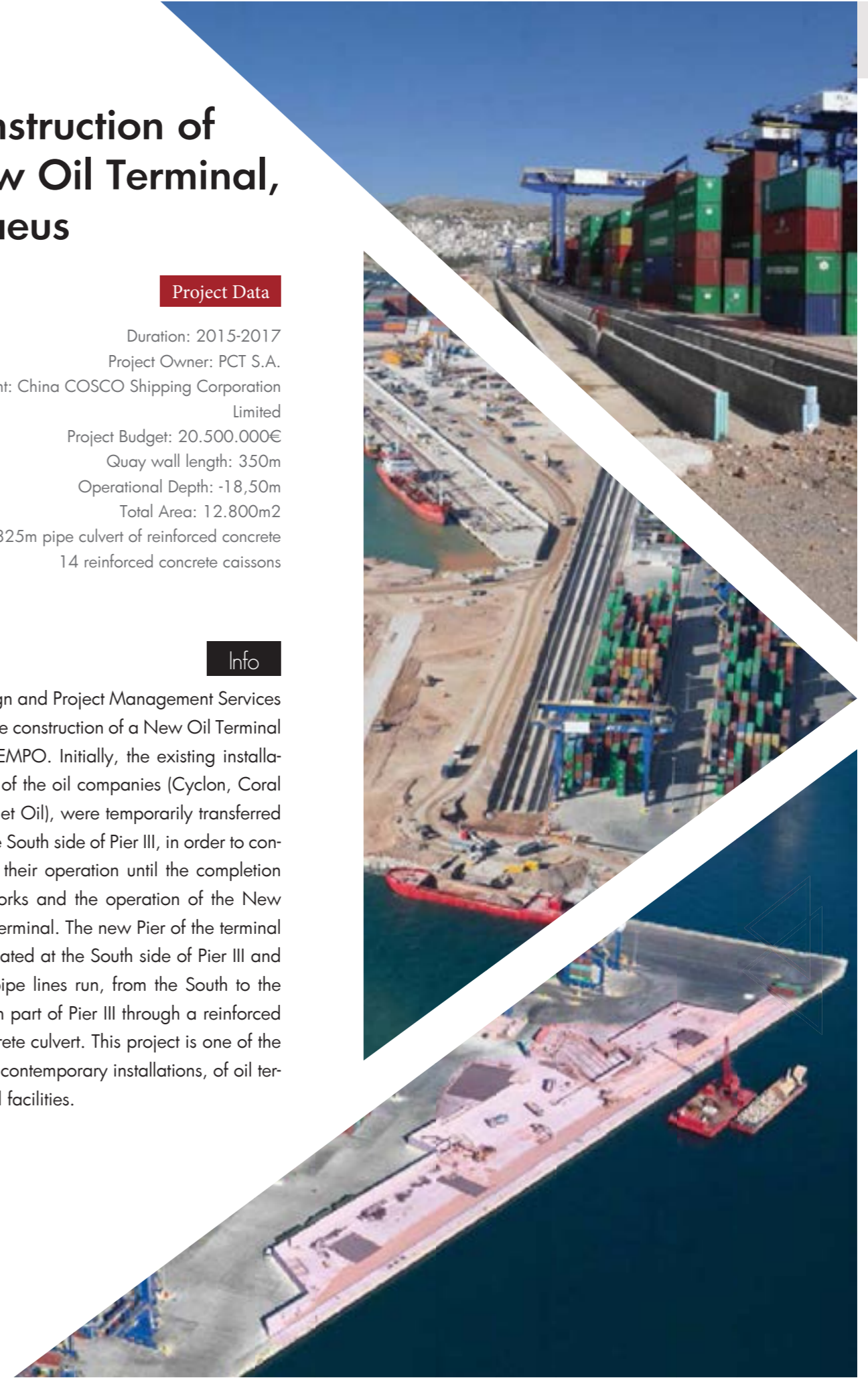
## Construction of New Oil Terminal, Piraeus

### Project Data

Duration: 2015-2017  
 Project Owner: PCT S.A.  
 Client: China COSCO Shipping Corporation Limited  
 Project Budget: 20.500.000€  
 Quay wall length: 350m  
 Operational Depth: -18,50m  
 Total Area: 12.800m<sup>2</sup>  
 825m pipe culvert of reinforced concrete  
 14 reinforced concrete caissons

### Info

Design and Project Management Services for the construction of a New Oil Terminal in S.EMPO. Initially, the existing installations of the oil companies (Cyclon, Coral and Jet Oil), were temporarily transferred to the South side of Pier III, in order to continue their operation until the completion of works and the operation of the New Oil Terminal. The new Pier of the terminal is located at the South side of Pier III and the pipe lines run, from the South to the North part of Pier III through a reinforced concrete culvert. This project is one of the most contemporary installations, of oil terminal facilities.



# Construction management of quay wall in Limassol Port, Cyprus



Info

Consultancy services and final study for the application of the specialized construction methodology (caisson, concrete mix, slipforming) of the 500m quay wall of the new container terminal of Limassol Port, Cyprus (2014- 2015).

# Participation to the tender of quay wall in Casablanca Port, Morocco



Info

Participation in the tender procedure for the Consultancy services regarding the application of the specialized construction methodology of the quay wall of the port in Casablanca, Morocco.

# Marina in Kos Extension of existing marina

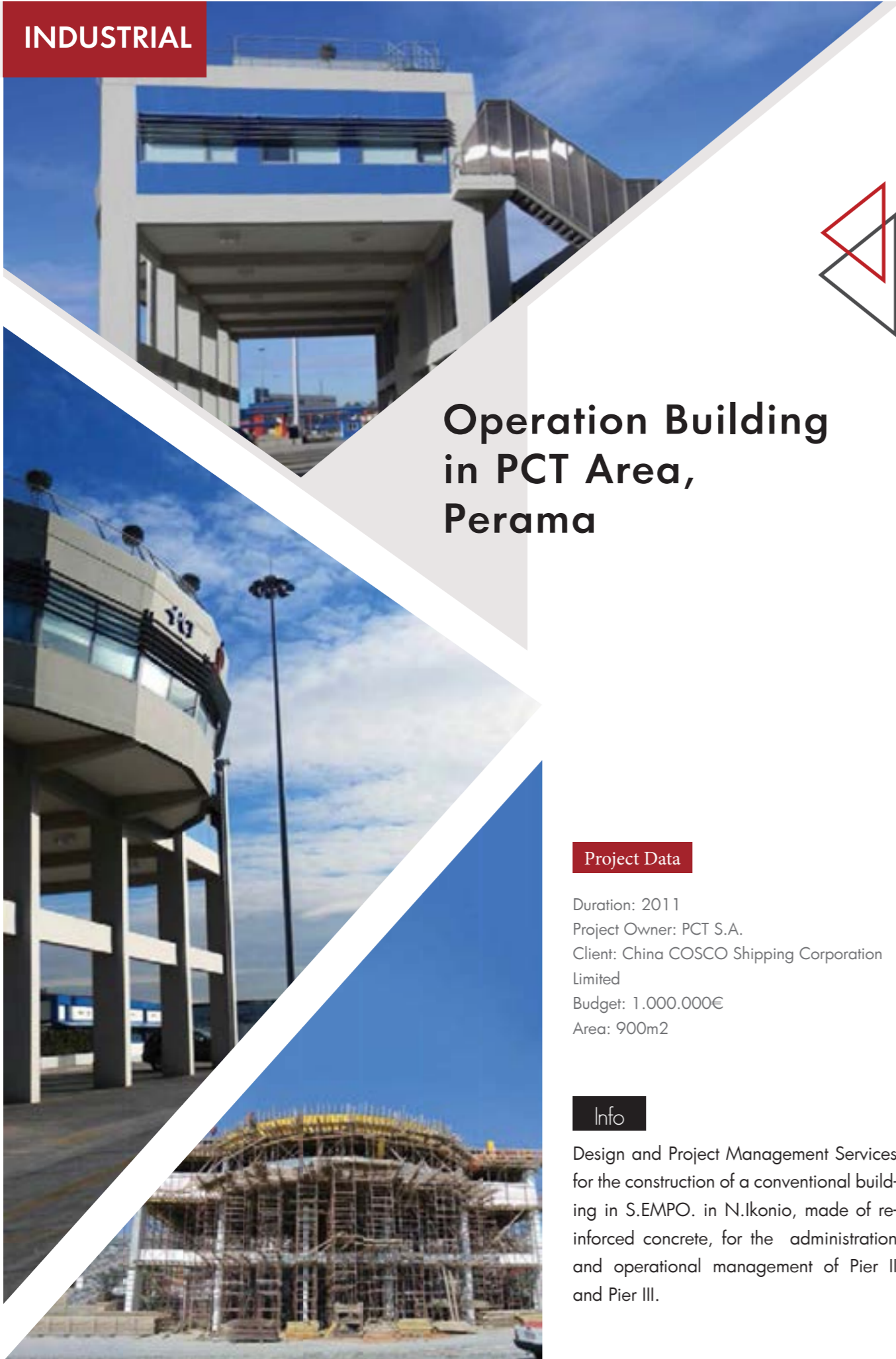


Project Data

Duration: 2015  
476 additional berth positions  
Average vessel length: 24.80m  
Project Budget: 25.000.000€  
Project Owner: KOS Ependitiki S.A.

Info

Design and Project Management Services for the extension of the existing marina in Kos Island. The study provides the marina with 476 new berthing positions for mega yachts, with pontoon piers constructed on piles and breakwater constructed with caissons. The proposed travel lift has a capacity of 800tn.



## Operation Building in PCT Area, Perama

### Project Data

Duration: 2011  
 Project Owner: PCT S.A.  
 Client: China COSCO Shipping Corporation Limited  
 Budget: 1.000.000€  
 Area: 900m<sup>2</sup>

### Info

Design and Project Management Services for the construction of a conventional building in S.EMPO. in N.Ikonio, made of reinforced concrete, for the administration and operational management of Pier II and Pier III.



## New Warehouse with offices in PCT Area, Perama

### Project Data

Duration: 2011  
 Project Owner: PCT S.A.  
 Client: PCDC S.A.  
 Area: 7.500m<sup>2</sup>  
 Budget: 5.500.000€

### Info

Design and Project Management Services for the construction of building facilities for a new warehouse in S.EMPO in N. Ikonio. A steel structure building, which is comprised of basic storage spaces and office areas, constructed with high-end and up-to-date technical specifications, according to NFPA standards. Additionally, cooling chambers were designed for the conservation of the frozen and sensitive products, in subdivided areas of around 900,00m<sup>2</sup>. Moreover, specially designed chambers were constructed, that meet the Z3 firefighting specifications and are able to host cargos of chemicals, flammable products etc.



## 5 Storage Silos Structures

### Project Data

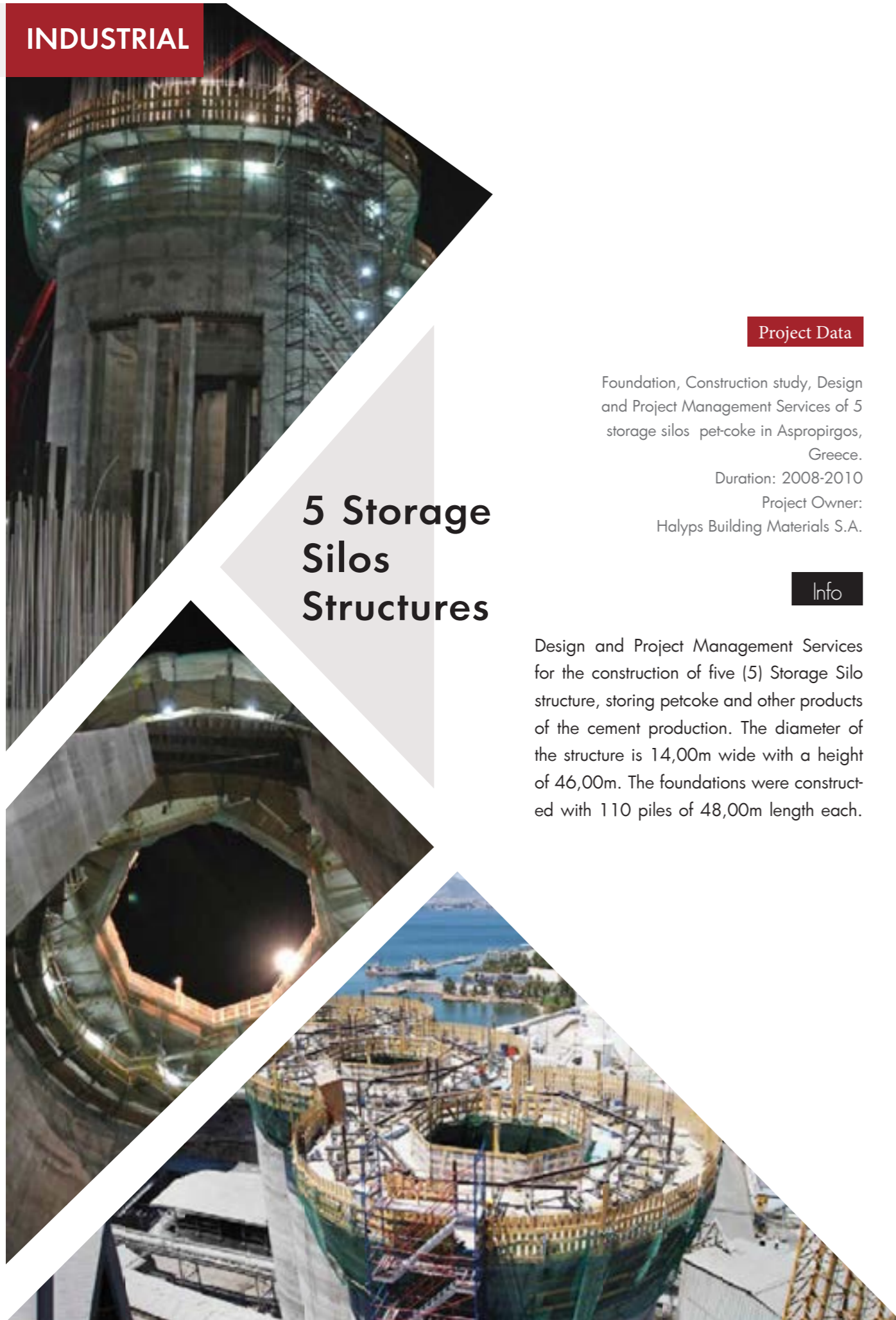
Foundation, Construction study, Design and Project Management Services of 5 storage silos pet-coke in Aspropirgos, Greece.

Duration: 2008-2010

Project Owner:  
Halyps Building Materials S.A.

### Info

Design and Project Management Services for the construction of five (5) Storage Silo structure, storing petcoke and other products of the cement production. The diameter of the structure is 14,00m wide with a height of 46,00m. The foundations were constructed with 110 piles of 48,00m length each.



## Construction of Workshop, Piraeus

### Project Data

Duration: 2010

Project Owner: PCT S.A.

Client: China COSCO Shipping Corporation Limited

Project Budget: 1.900.000€

Total Area: 2.240m<sup>2</sup>

### Info

Design and project management services for the construction of a composite structure with an overall height of 14,00m. The Workshop building in S.EMPO, N.Ikonio. . The ground floor of the Workshop building in S.EMPO, N.Ikonio comprises of four (4) weight cranes that handle heavy equipment, while there is also a washing zone for straddle carrier vehicles. The upper floor is used as office area.



## House Complex in Porto Rafti, Greece

### Project Data

Duration: 2007 – 2009  
 Project Owner: Private Client  
 Budget: 1.000.000 euro  
 Area: 3 Villas (750 m<sup>2</sup>)

### Info

Design study and construction of a housing complex comprising of three (3) separated modern residences, which expand in two levels, in Porto Rafti area of Attica. Each residence is approximately 750,00m<sup>2</sup> and has a panoramic view to the sea.



## Residence in Anavissos, Greece

### Project Data

Duration: 2012 – 2013  
 Project Owner: Private Client  
 Budget: 1.500.000 euro  
 Architect: WhiteBox Architects

### Info

Study and project supervision of a modern villa expanding on a 4.000 m<sup>2</sup> plot, in Anavissos, of East Attica region. The exterior walls of the building were made of a 70,00cm thick, bearing stone masonry and there was an extensive care as far as the connection of rough materials like stone and concrete, with other materials such as wood, metal, glass and plaster, is concerned. The residence was awarded in the 7th Biennale of New Greek Architects in 2012.



## Bridge at Heraklion, Crete

### Project Data

Technical study of 150m bridge at Heraklion, Crete.

Duration: 2005

Project Owner: Prefecture of Crete

Project Budget: 2.500.000

Total Length: 150m

### Info

Structural study and supervision for the construction of a bridge in Heraklion of Crete Island, in Greece. The project included a structural study for the precast and prestressed beams of the bridge. The foundation was constructed with piles.



## Church of Agios Nikolaos in Piraeus

### Project Data

Duration: 2013 – 2015

Area: 1500 m<sup>2</sup>

Client: Metropolis Church of Piraeus

### Info

Restoration and reconstruction of Agios Nikolaos Metropolis Church, in Piraeus of Attica. The Church was built during 1877-1905 and is considered to be a listed monument. The project concerned the replacement of the existing tile roof, the reconstruction of the sanctuary and an extent restoration of the interior marble floor. Moreover the works included, new electrical and mechanical network installations as well as maintenance of all murals.





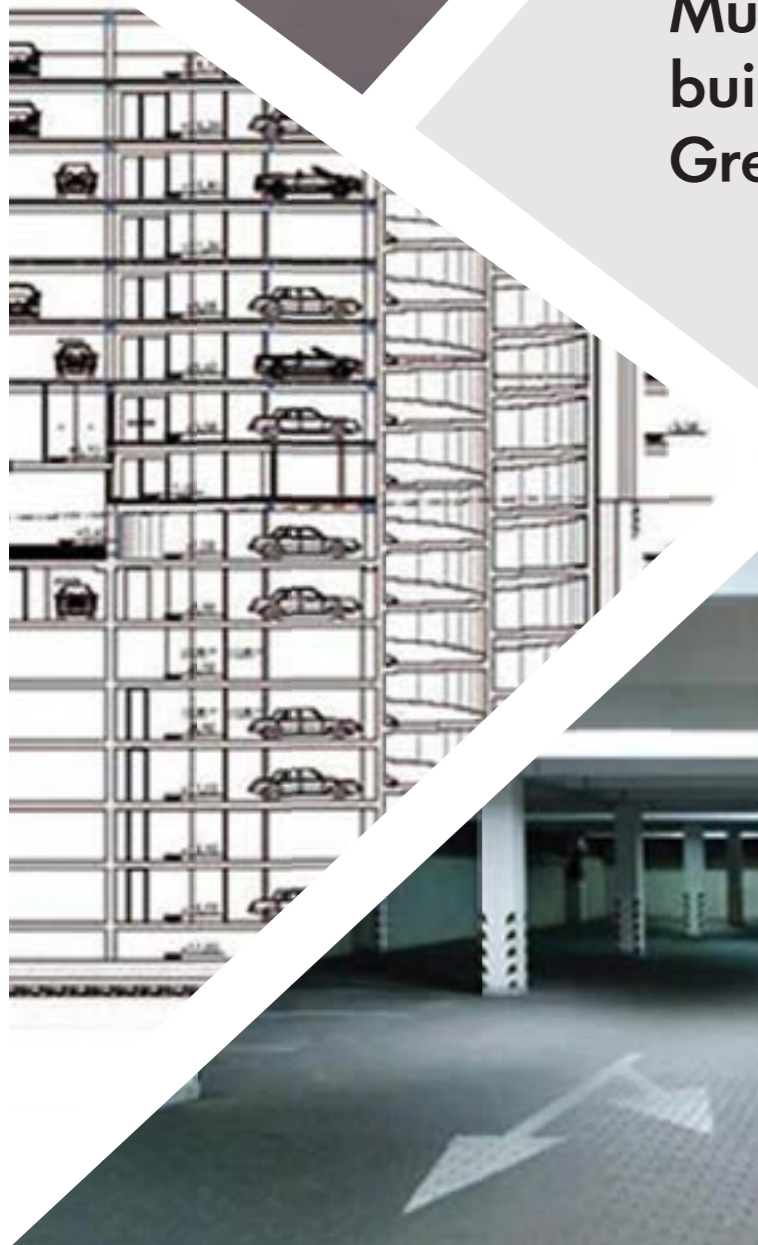
## Multi-storey car park building in Volos, Greece

### Project Data

Duration: 2004  
 Capacity: 500 cars  
 Area: 140.000 m<sup>2</sup> (underground garage floors)  
 Budget: 5.500.000 euro  
 See notes (underground)

### Info

Design study and construction of an underground parking of seven-levels at the city center of Volos, in Greece. Due to the fact that the plot was constrained between two (2) six-story buildings, the construction had to follow the top down method. The level of excavation reached the depth of -19,00m, while the underwater flow level is -2.5m. The upper structure has been constructed both with steel beams and reinforced concrete materials.



## Volos Municipal Stadium (former Olympic stadium)

Participation in the competition for the technical study reconstruction of the sports stadium in Volos, Greece that was used as a training venue of the 2004 Summer Olympic Games.



## Athletic School Centre in Melissa (former Marousi Swimming Pool)

### Project Data

Design and structural study of the Athletic Center of the Melissa municipality, in Athens. The construction included a high-standard and eco-friendly swimming pool center, which was designed in order to exploit renewable energy sources. The facility is operating successfully since 2006.



# Commercial Cultural Buildings

Our company has been involved in the design studies and supervision of various projects regarding structural redesign and strengthening of the bearing load of various new and listed buildings, such as: Grande Bretagne Hotel, Benaki Museum, Hellenic Parliament Offices etc.



# Associates

## **DOMOS Consultant Engineers**

Civil and Structural design

## **Dr. Ing. S. Azorakos**

Harbor engineering

## **GEOSOLUTIONS**

### **D. Fotiadis and Associates**

Geotechnical studies and research

## **A. Iatrou & A. Stamou**

Environmental studies

## **MSCE**

### **H. Maniatis & K. Saliagopoulos**

Electromechanical studies

## **Pipeserv Ltd**

Heavy industry and plant engineering

## **Tractebel, Belgium**

Engineering consultancy company

## **TBA, Netherlands**

Simulation consultant and equipment control software supplier

## **Feron Techniki**

Design study and Construction

## **Dr. Ing. S. Azorakos**

Harbor engineering

## **Gleitbau-Salzburg**

Formwork Engineering

## **Domorinthos**

Architectural Services

## **WhiteBox Architects**

Architectural Services



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