

# TECHNIPROJET

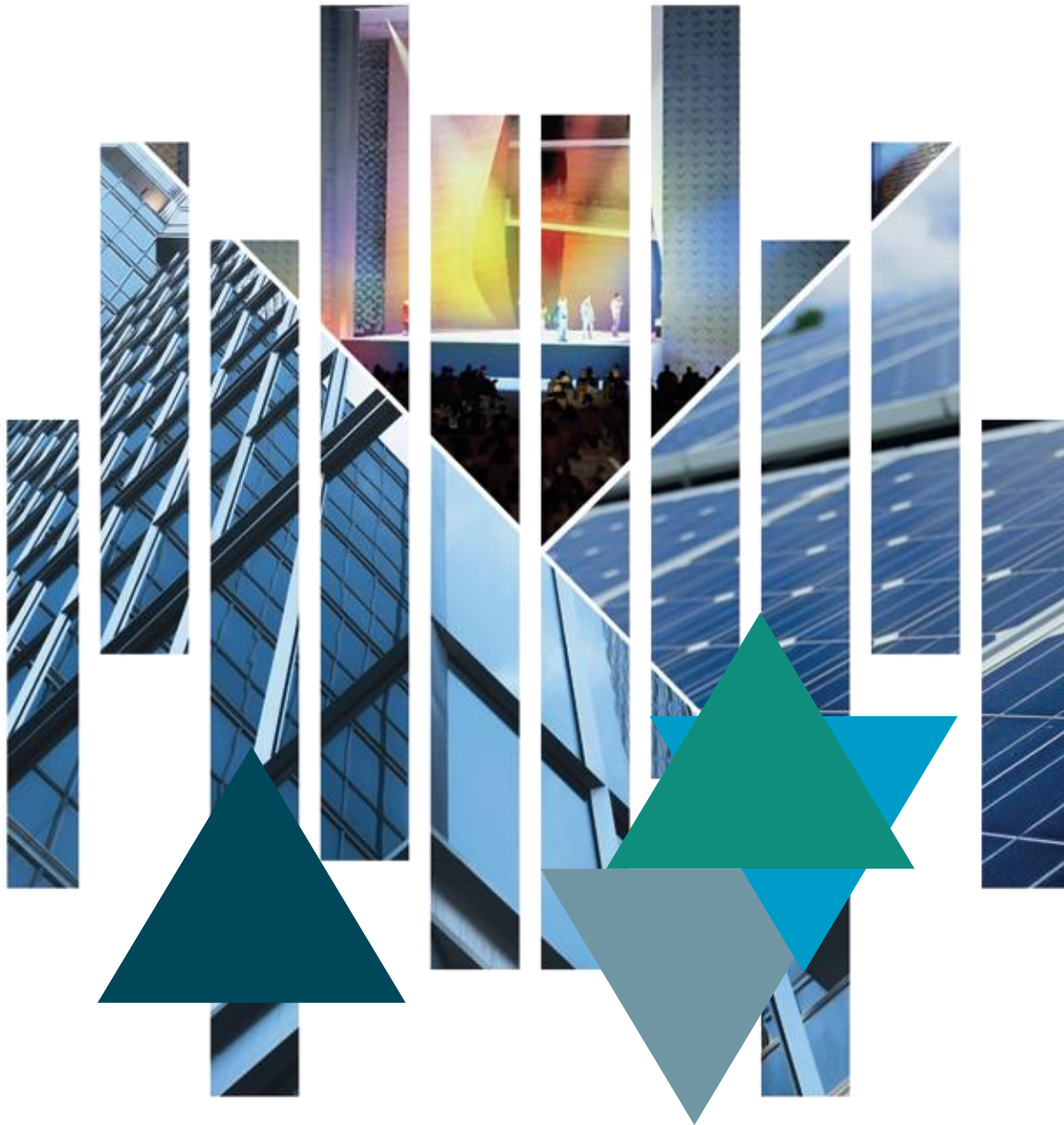
DESIGN AND CONSULTING ENGINEERING COMPANY



## Company Presentation



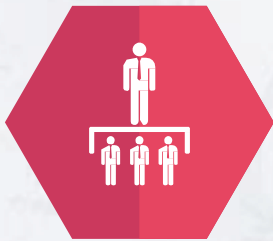
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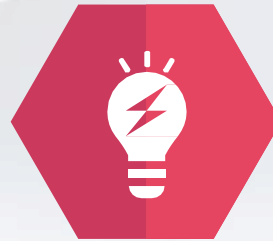
# SUMMARY

- ▶ PRESENTATION: WHO ARE WE
- ▶ LEADING TEAM
- ▶ MISSIONS
- ▶ BIM
- ▶ REFERENCES

### Multidisciplinary design and consulting engineering company



100% family owned company



Established in 1977



35 permanent staff + 200 partner experts



Partnership with the biggest international engineering companies



Public and Tertiary Equipment  
Major Infrastructure and Energy  
Projects

Expertise and general studies



## LEADING TEAM



**Selma BERRADA**



**Financial Director of TECHNIPROJET**

Engineer, double degree - INSA (Lyon) – University of Connecticut



**Abdellatif BERRADA**



**Président of TECHNIPROJET -  
Shareholder**

Engineer – Graduate of l’Ecole des Mines de Nancy, Former Ex-Director of Mines souterraines de Khouribga (OCP), Vice President of FMCI (Moroccan Federation of Consulting and Engineering)

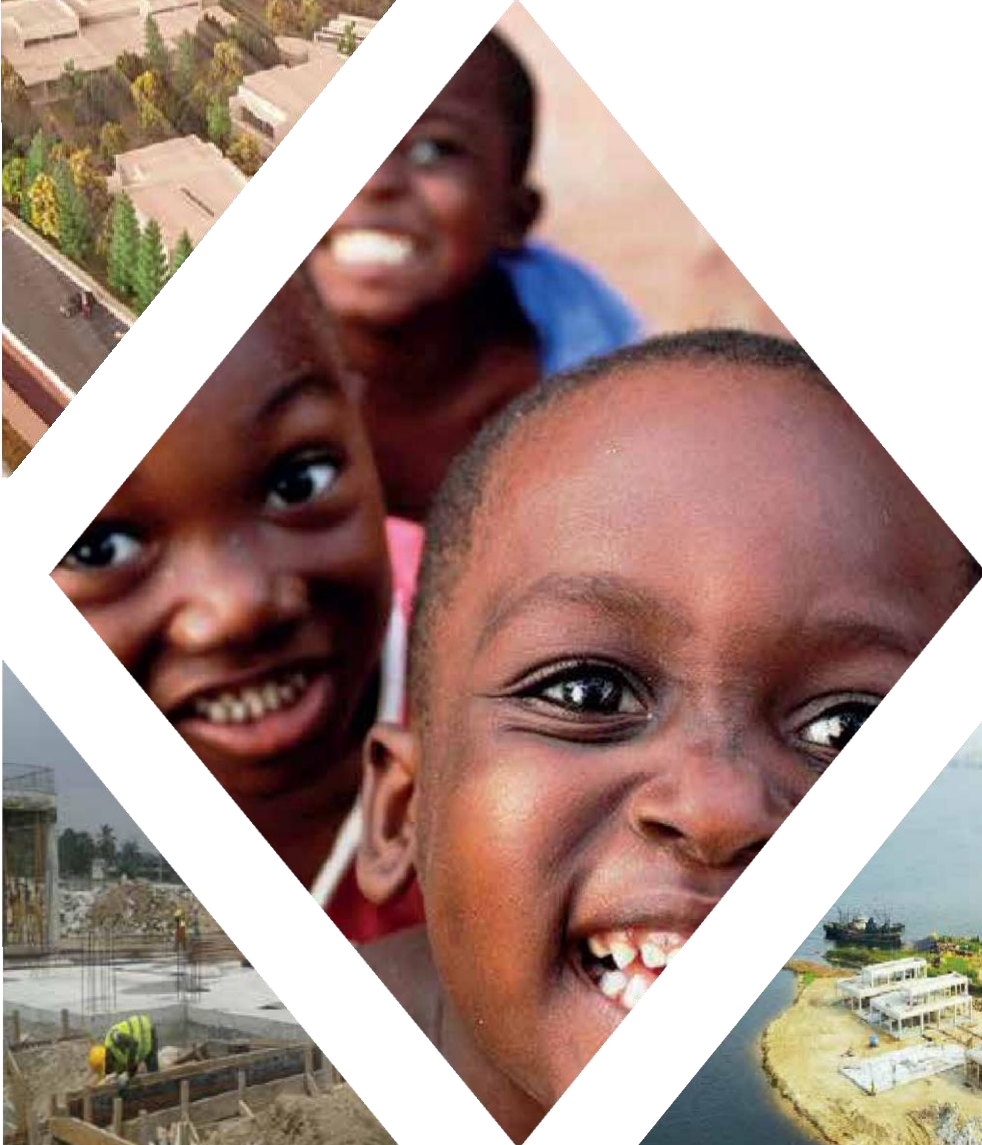
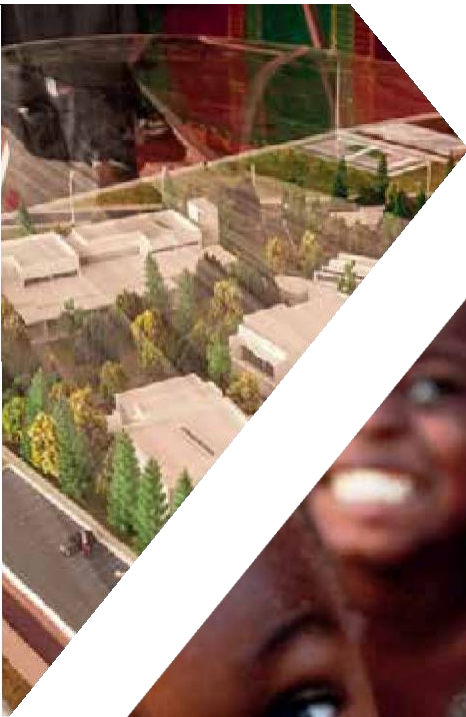


**Amine BERRADA**



**DG de TECHNIPROJET –  
Co-founder**

Engineer, double degree Supélec (Paris) -Polytechnique Montreal, JP Morgan Chase (London), SG of the association Centrale-Supélec of Morocco



**TECHNIPROJET**  
BUREAU D'ETUDES ET INGENIEURS CONSEIL

**RABAT**

**DAKAR**

**CONAKRY**

**ABIDJAN**

**ICONE**  
INGENIERIE CONSEIL

**BURKINA FASO**

**NIGER**

**MADAGASCAR**

- 📍 Headquarter
- 📍 Presence of an agency
- 📍 Projects completed or under construction

TECHNIPROJET created  
ICONE To be able to  
represent TP in Africa (in  
Abidjan)

# OUR MISSIONS

## Buildings & INFRASTRUCTURES

Mission during the entire project Project Management Assistance (PMA)

### Mission in phase: PROGRAMMING

- Help with the definition of the Technical detailed Program.
- Business plan and Financial modeling of the project.

### Mission in phase: Design (PMA)

- Technical Design - All Building Trades (TCE)
- Assistance at the award of the contract.

### Mission in phase: Construction (PMA)

- Monitoring, Piloting and Coordination of the works until Reception (Acceptance).

### Mission in phase: EXPLOITATION

- Audit & Technical Expertise;
- Assistance at Maintenance contracts.



STRUCTURE



ELECTRICITY  
HIGH AND LOW  
VOLTAGE  
POWERLE



PLUMBING  
AND AIR  
CONDITIONNING



ROADS AND  
UTILITIES

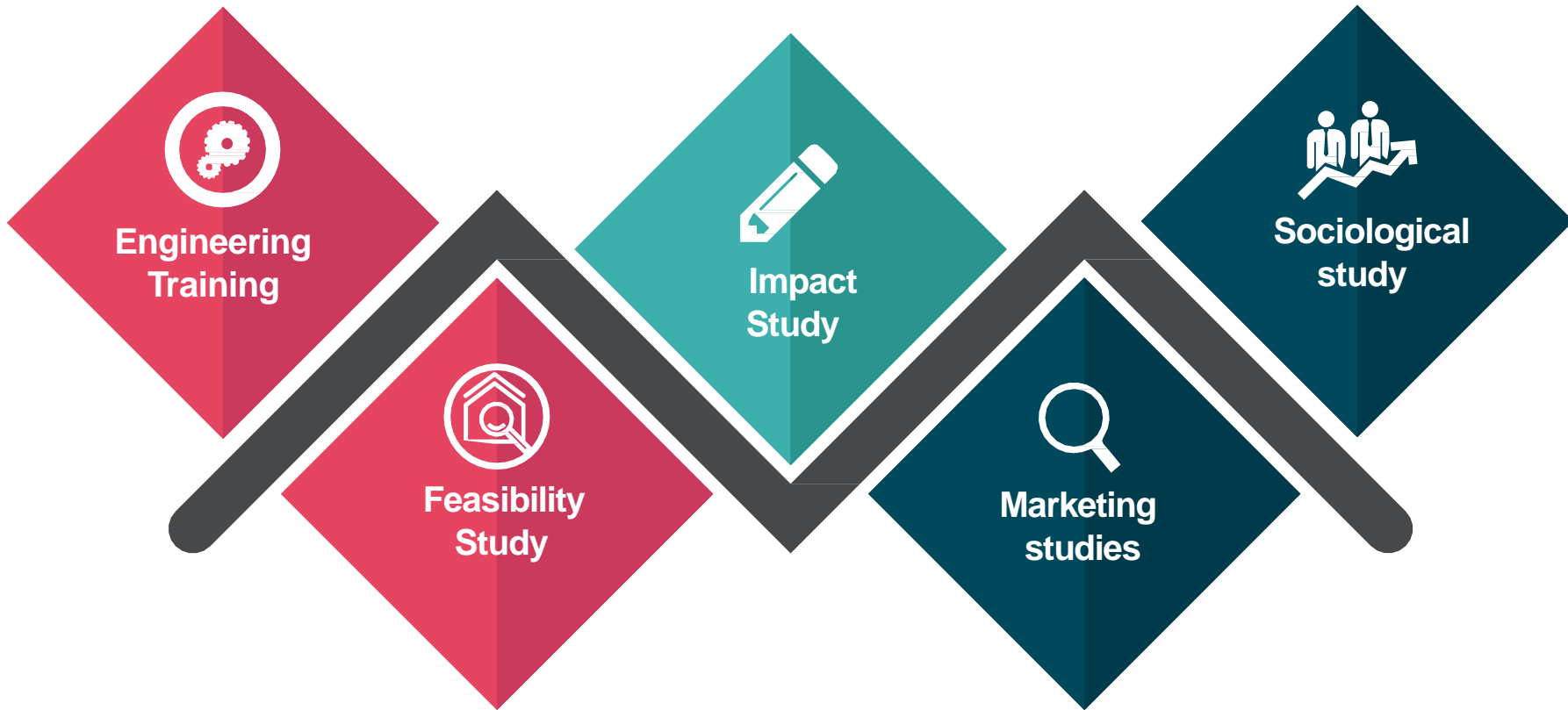


CONSTRUCTION  
ECONOMY

# OUR MISSIONS

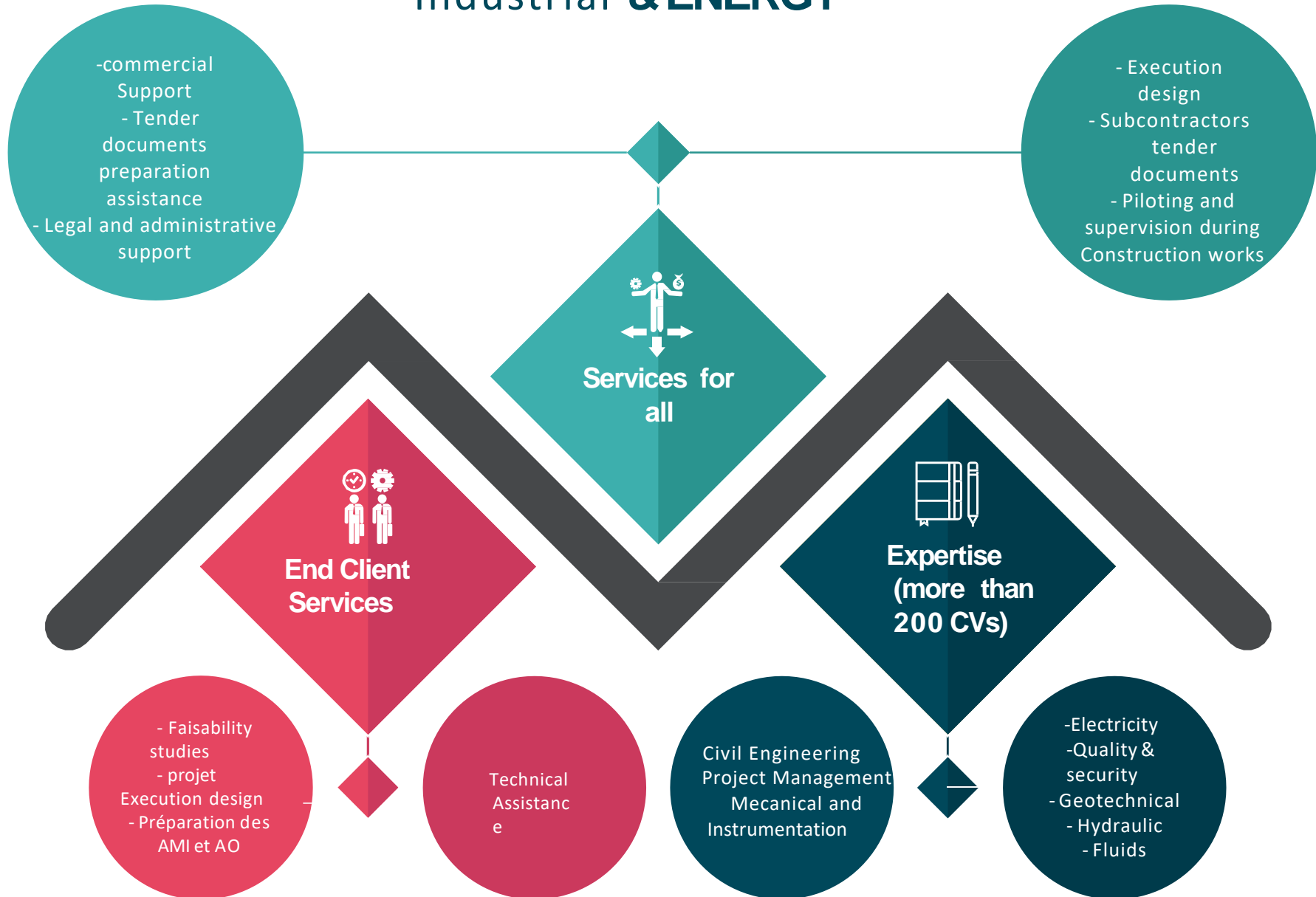
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## GENERAL STUDY



# OUR MISSIONS

## Industrial & ENERGY

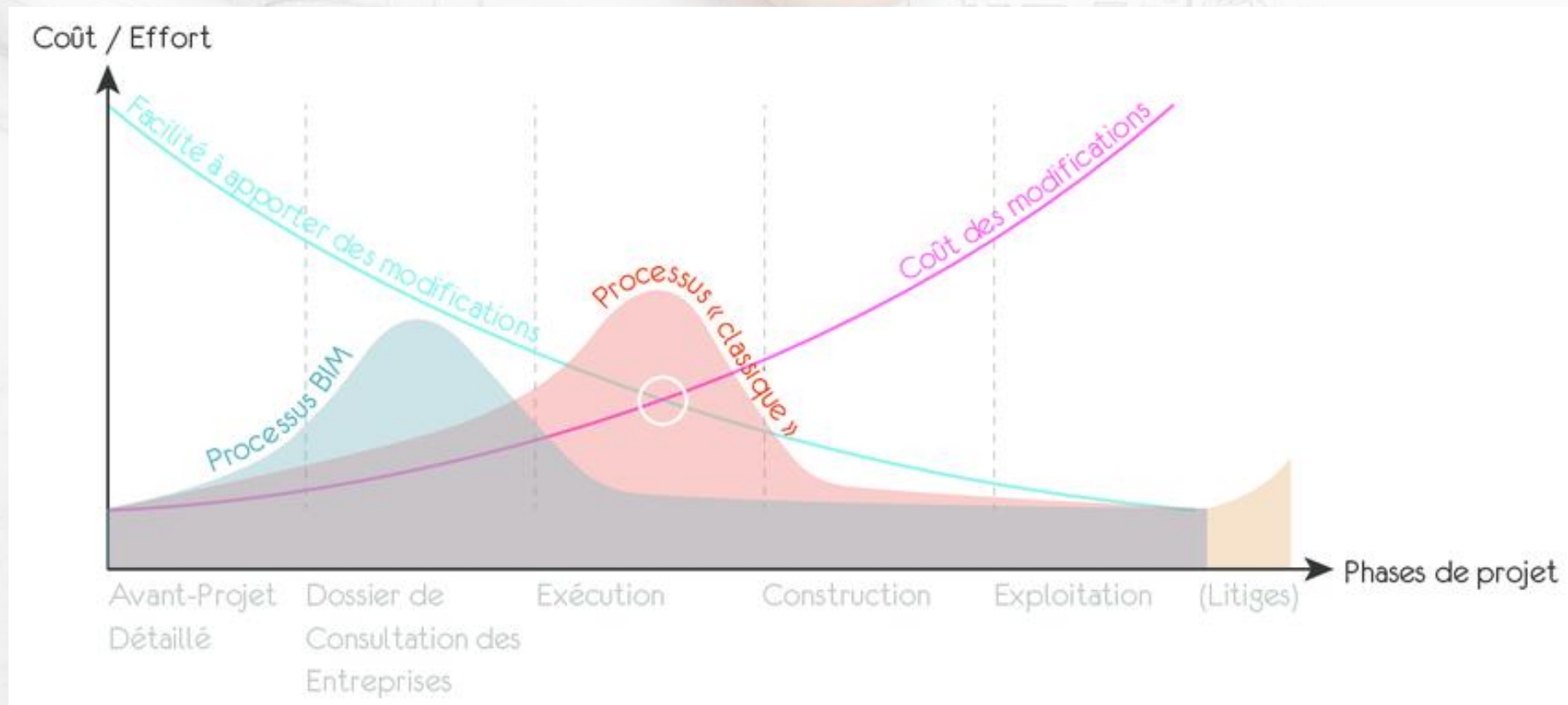




# 100% BIM ON OUR PROJECTS

TECHNIPROJET has decided to fully integrate BIM into all of its projects. This strategic decision was taken to maintain the technical excellence of our company.

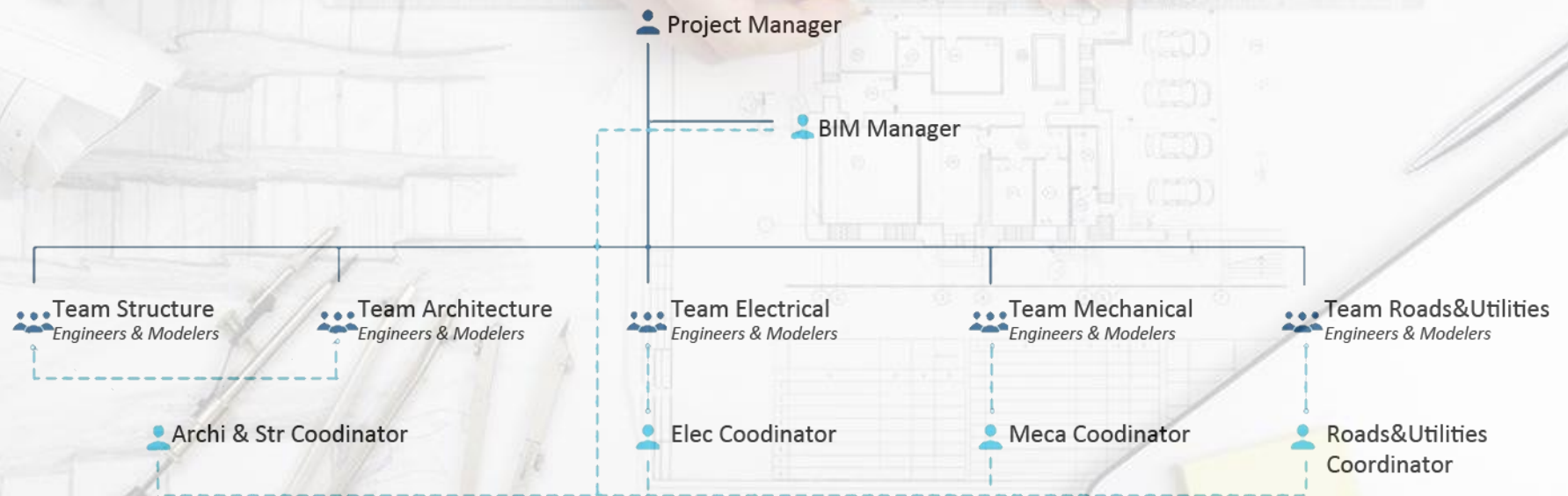
Through the creation of multidisciplinary BIM-Models, we create a well structured database of the project's information that we use to perform advanced simulations and studies. (Energy analysis, structural analysis, environmental analysis, ...)



# OUR BIM COMPETENCE

Reinforced by a high-caliber BIM training, our multidisciplinary structure is made up of engineers and construction professionals, having all the prerequisites allowing it to produce high-quality BIM models.

ORGANIZATIONAL CHART - BIM MANAGEMENT



# OUR BIM APPROACH

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As a foundation of a 100% digital transformation, BIM is our leader to offer the best services to our partners in the realization of their projects. In this sense, our approach is based on :

## COMMUNICATION :

By using the most popular and latest viewers and collaborative software, our mission is to provide greater insights for project owners as well as timely decision making.

## PREVENTION :

Through simulations and advanced analyzes, we come very early to detect problems that may arise in the very future phases of the building.

## CONTINUOUS IMPROVEMENT :

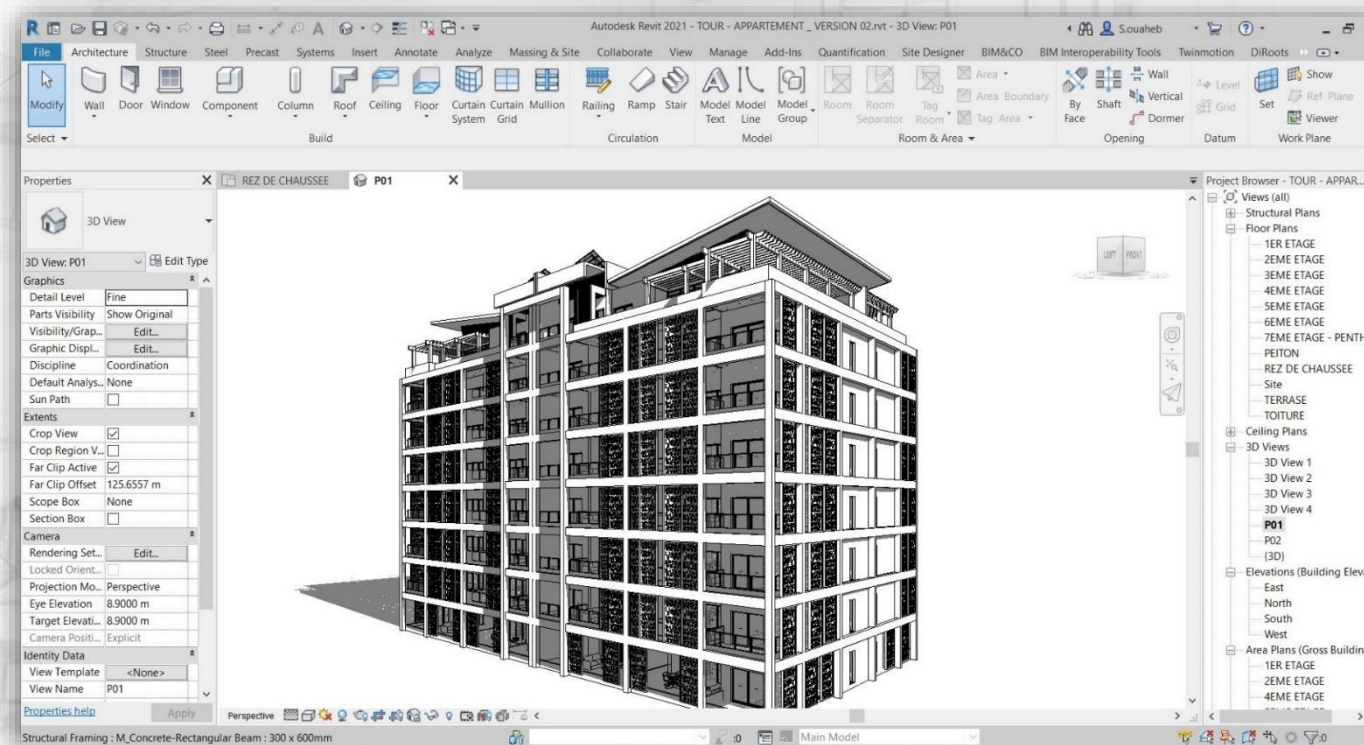
Every day we cross new boundaries and discover new technologies to guarantee you better productivity, rigor, precision and more...

# OUR BIM WORK TOOLS

Like the vast majority of professionals, we use the Autodesk software as a work tool.

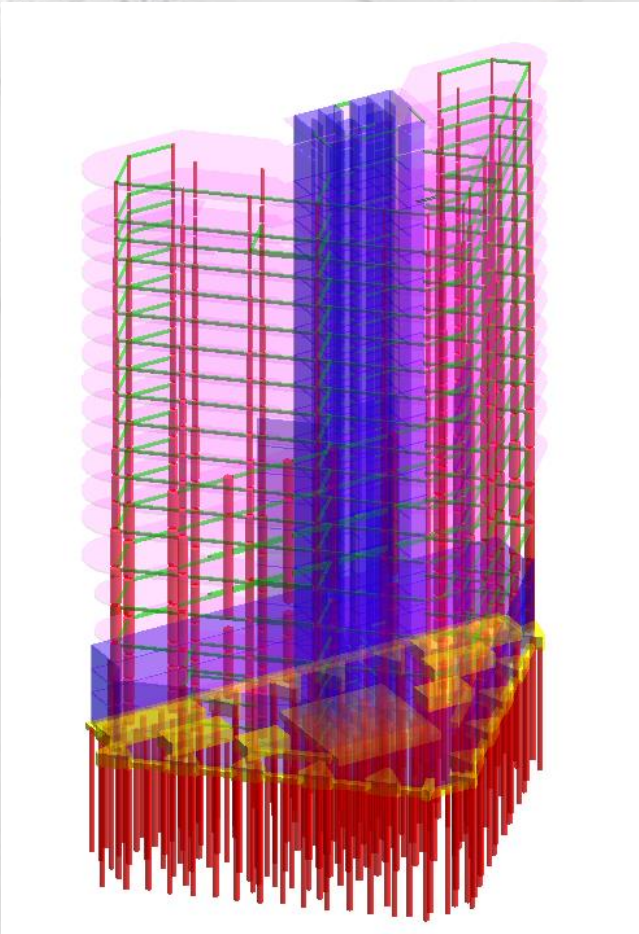
Since the beginning of our BIM transition, we have always insisted on doing BIM independently of the software. This is why our team trained in OpenBIM works every day to set up exchange flows with the software present in the market.

## BIM ARCHITECTURE

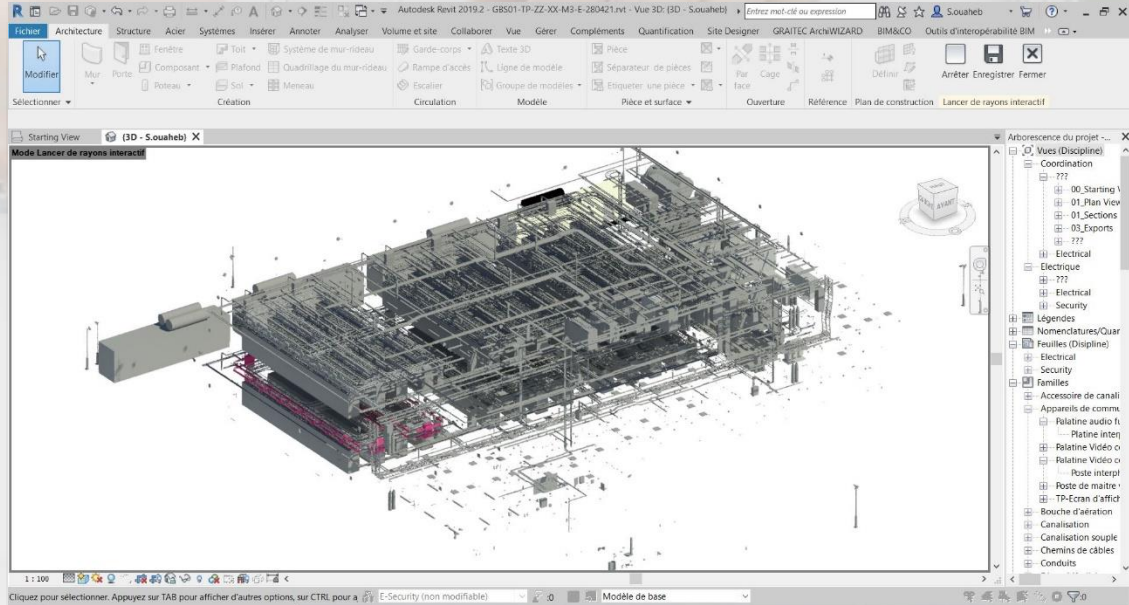


# OUR BIM WORK TOOLS

## BIM STRUCTURE



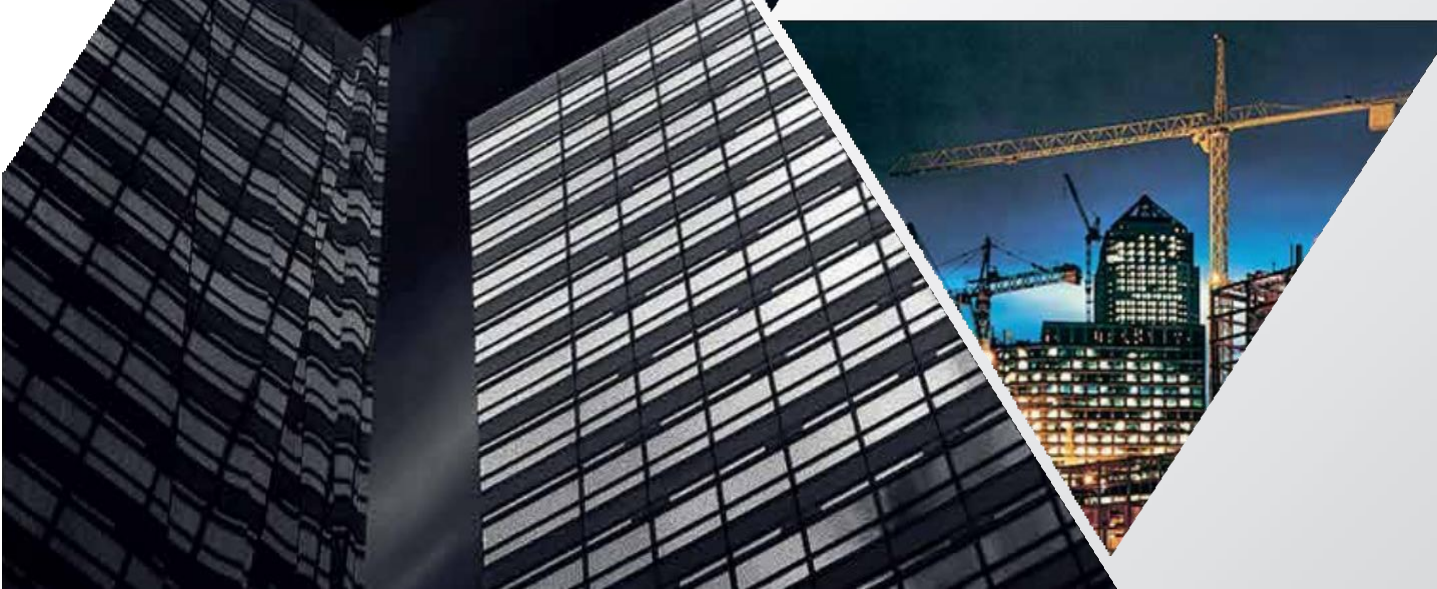
## BIM MEP





**TECHNIPROJET**  
DESIGN AND CONSULTING ENGINEERING COMPANY

**REFERENCES**





# BUILDINGS



**Techniprojet** is recognized for its expertise in complex buildings and large public facilities.



# PROJETS DATA CENTER



TECHNIPROJET est le premier BET au Maroc en terme d'expertise Data Center et parmi les premiers à disposer d'ingénieurs certifiés ATD dans son effectif. La puissance totale IT des projets étudiés dépasse les 3 MW.





Buildings



# DATA CENTER (CONFIDENTIAL)

**Site:** Confidential

**Client:** Confidential

**Architect:** Ahmed Lemsefer

**Covered area:** 5000 m<sup>2</sup>

**Budget:** 20 MEUR

**Mission:** Technical studies and monitoring of TCE works -  
BIM modeling & coordination - In collaboration with Royal  
Haskoning (British Standards)

**Calendar:** 2021

**100%**





Buildings



## ANCFCC HEADQUARTERS

**Client:** ANCFCC (National Agency for Land Conservation, Cadaster and Cartography)

**Site:** Rabat

**Architect:** Taoufik El Aoufir

**Surface :** 80 000 m<sup>2</sup> (7 Towers)

**Cost of works:** 100 MEUR

**Mission :** Technical studies and monitoring of works.

**Calendar :** 2021



Buildings



## Contest CHU Ibn Sina Rabat

Pré-qualification at the contest  
of CHU Ibn Sina.

**Client:** Ministry of Health

**Architect:** Associati

**Area:** 110 000 m<sup>2</sup>

**Budget:** 1200 MDH

**Mission:** Project  
Management (in group)



Buildings



## CHU Hassan II de Fès

**Site :** Fès

**Client:** Ministry of Health

**Architect :** El Fqih Berrada

**Covered Area:** 80 000 m<sup>2</sup>

**Calendar:** Issued

**Cost of works:** 50 MEUR

**Mission:** Technical studies and works monitoring



Buildings



# CHU MOHAMMED VI - Marrakech

**Site:** Marrakech

**Client:** Ministry of Health

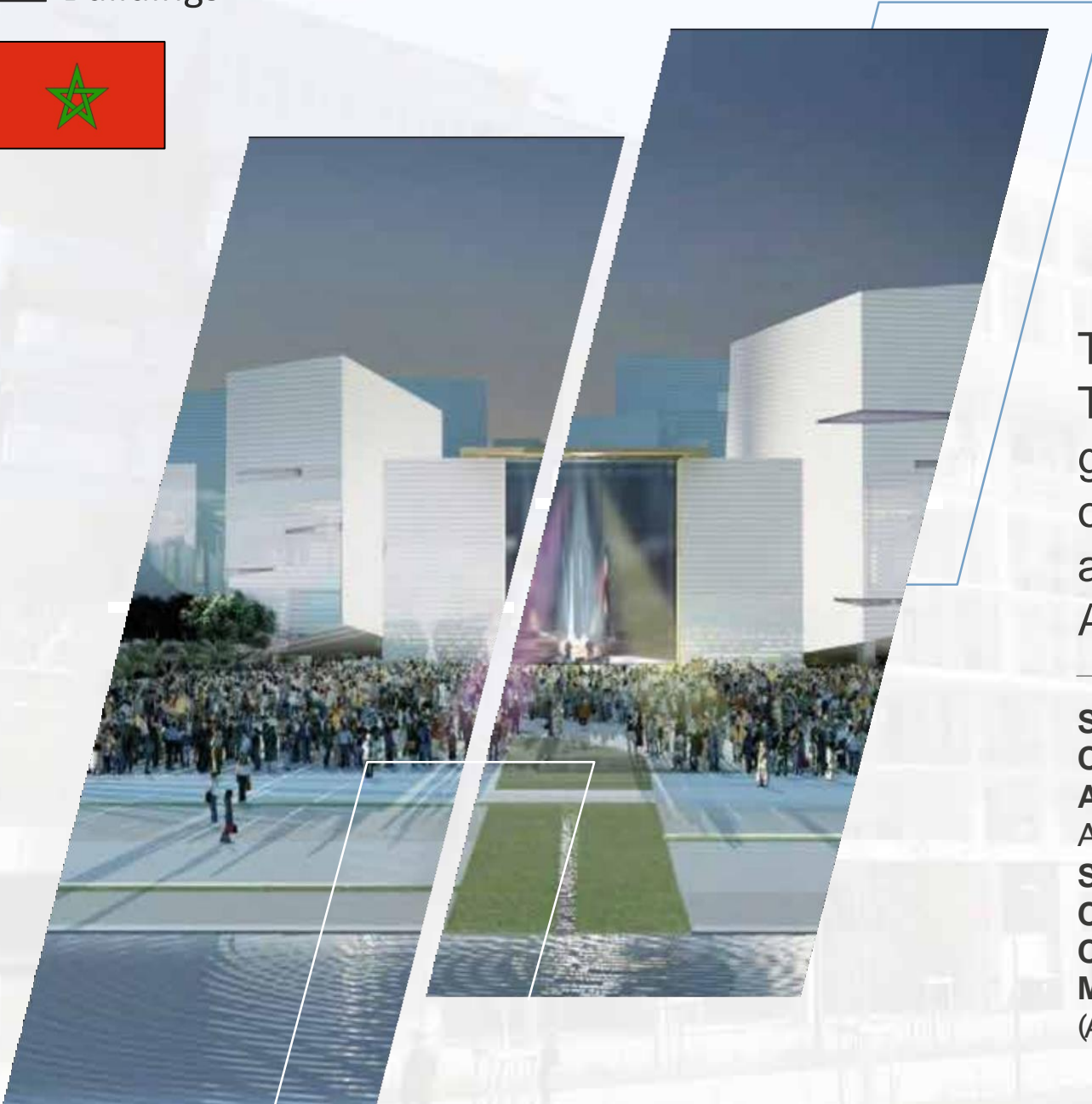
**Architect:** ASSOCIATI

**Covered Area:** 75 000 m<sup>2</sup>

**Budget:** 70 MEUR

**Mission:** Technical studies and work monitoring

**Calendar:** Delivered in 2016



## Grand Theater of Casablanca

The CasArts project, Grand Theater of Casablanca, aims to give the city of Casablanca a space of art and culture multidisciplinary, and will be the biggest theater in Africa.

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**Site :** Casablanca

**Client:** Casa Aménagement

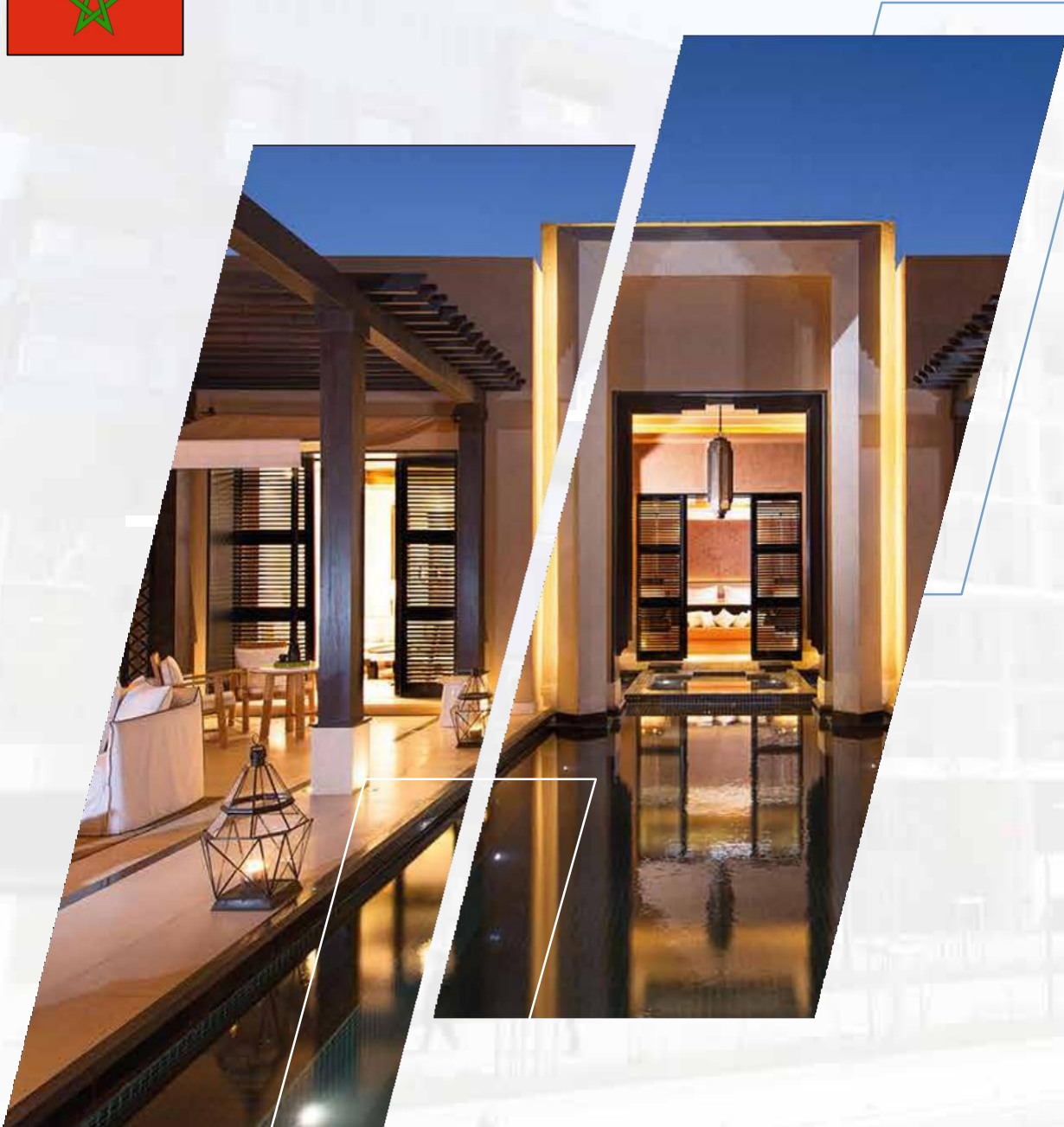
**Architect :** Christian de Portzamparc - Rachid Andaloussi

**Surface :** 24 000 m<sup>2</sup>

**Calendar:** 2016

**Cost of works:** 100 MEUR

**Mission :** Assistance for Project Management (AMO) (in Consentium)



# MANDARIN ORIENTAL MARRAKECH



**Client:** Park Palmeraie

**Architect:** Christine Roufiaen

**Decorator:** Gilles & Boissier

**Budget:** 80 MEUR (50 pavilions, 4 Suites)

**Mission:** Project Management Coordination,  
management and monitoring of works.

**Calendar:** Delivered in 2017



Buildings



# Amanjena, Marrakech

ĀMAN  
RESORTS

**Client:** Aman Resort

**Architect:** Hakim Benjelloun

**Program:** 40 pavillons - Restaurant -  
Piscines

**Budget:** 6 MEUR

**Mission:** Project Management - Studies





Buildings



# Hôtel Balima à Rabat

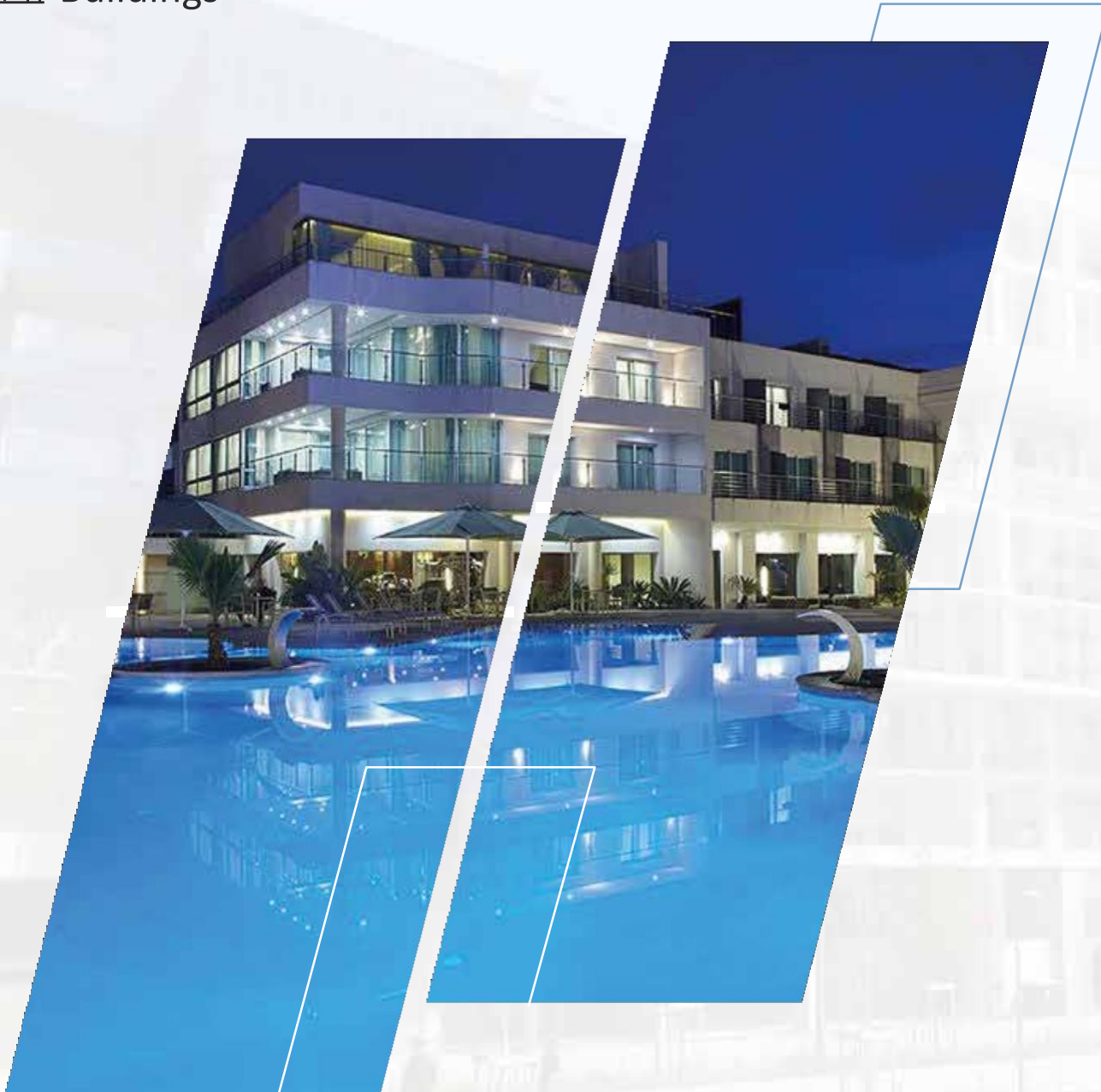
**Client:** Balima

**Architect:** Tarik Oualalou

**Program:** 50 chambres (Réhabilitation)

**Budget:** 4,5 MEUR

**Mission:** Studies and works monitoring



## Hôtel Samir (Avanti) at Mohammedia

**Site:** Mohammedia

**Client:** Groupe CORRAL

**Architect:** BELMLIH et BELHAJ

**Room number:** 160 (Approximately 14,000  
m<sup>2</sup> of covered area with annexes)

**Calendrier:** 2011

**Works Cost:** 12 MEUR

**Mission:** Technical studies and follow up of  
the works – All building trades



## Sheikh Khalifa bin Zayed Al Nahyan Hospital

This specialized hospital is a gift from the Khalifa Bin Zayed Al Nahyan Foundation (KBZF) from the people of the United Arab Emirates to the Moroccan people

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**Site :** Casablanca

**Client:** Municipalité d'Abu Dhabi **Maitrise d'oeuvre :** Archi Studio /Jacobs France

**Covered Area:** 50 000 m<sup>2</sup>

**Calendar:** N/A

**Cost of works:** 100 MUSD

**Mission:** Estimation of architectural lots and technical lots - Grading Study



Buildings



# Mohammed V Airport New Control Tower

Site : Casablanca

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**Client:** ONDA

**Calendar:** 2019

**Mission :** Etudes techniques et suivi des travaux TCE



## RAM Academy, Casa Aero and Dispatch rooms

Site: Nouaceur (Casablanca suburb)

**Client:** Royal Air Maroc

**Architect:** Confluences - Cabinet Rachid Andaloussi - MyGroup

**Surface:** 15 000 m<sup>2</sup>

**Calendrier:** 2013

**Project cost:** 15MEUR

**Mission:** Technical studies and follow-up of the works-OPC (Piloting and Coordination)



## Sana Hôtel à Casablanca

Epic (5\*) & Evolution (4\*)  
Casablanca Hotel - Sana Hotels

**Client:** Sana Hotels

**Architect:** Nuno Leonidas

**Budget:** 55 M Euros

**Mission:** Participation in Technical Studies and  
Control in study and works phase



## Paradise Golf Resort at Oued Laou

### Complexe touristique.

**Site :** Oued Laou (Province de Tétouan)

**Client:** KUDLA INVESTMENT (Groupe INTECO)

**Architect :** Nouredine et Hicham KENFAOUI

**Covered Area:** 155 000 m<sup>2</sup>

**Calendar:** N/A

**Cost of works:** 150 MEUR

**Mission:** Studies and Works follow-up – All building trades

has been involved in numerous large-scale industrial projects



# INDUSTRIAL CIVIL ENGINEERING



**TECHNIPROJET** has been involved in numerous large-scale industrial projects





## Aerotechnic Industrials (ATI)

ATI is the result of a JV between Air France and the RAM in order to carry out the maintenance of the aircraft TECHNIPROJET has studied the economic feasibility of a new aircraft hangar on behalf of Air France. Also requested TECHNIPROJET for the technical audit of a new hangar and installation of 8000 m<sup>2</sup> in which they moved in.



## SUNABEL, Gharb-Loukkos region

Control of local subcontracting and execution of civil engineering studies of SUNABEL. SABABEL is the first economic player in the Gharb-Loukkos region and consists of two Manchraa Bel Ksiri production units that have existed since 1968 and Ksar EL Kebir, established in 1978

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**Production Capacity:** (4000 t/j)

**Investissement amount :** About 35 millions Euros

**Mission:** Site supervision and coordination by permanent team



## **Atelier d'ensachage et de chargement de LAFARGE Tetouan I**

Study of the metal structures  
of the bagging workshop and  
the bulk loading workshop of  
the LAFARGE Tetouan 2  
cement plant on behalf of  
HAVER & BOECKER.



## Upstream Filter - LAFARGE Meknes

Studies related to the preparation of the offer at a global and fixed price, for the dry process transformation of Lafarge Meknes (civil engineering and metal construction packages, in particular the prehommo park). *These studies were carried out within the framework of a consortium of companies.*



## **HOLCIM Oujda (Ex CIOR)**

Realization of 25% of all the studies of the Oriental Cement Plant HOLCIM with a capacity of 1.2 million of investment 800 million DH. Site supervision and coordination (permanent team). Techniprojet also carried out a study of the coal sheds (301 m long, with a range of 45 m and a height of 13 m) and the prehomopark (360 m long, with a range of 50 m, and 15.5 m high) totaling more than 30,000 m<sup>2</sup> on behalf of Holcim Oujda.

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**Catégorie:** Industrial Cimentière



## Lelma

Lelma is the name of this new joint venture between the French Mecachrome, already present in the region, and L'Electrolyse. The amount of the investment is € 8 million. This factory specializes in surface treatment for parts intended for the Aeronautical Industry. TECHNIPROJET has carried out the TCE studies of this 3500 m<sup>2</sup> unit located in the Tangier region.



## Maroc Chimie et Maroc Phosphore

**Techniprojet** has carried out the following missions:

Detailed study of the ancillary rooms of the sulfuric line for Maroc Phosphore Groupe OCP, Study of the protection system for ammonia tanks, Detail studies of the building compressed air and Building booster water in Morocco Chemistry in Safi.



## Renault Tanger Med NEW FACTORY

TECHNIPROJET took part in the management of the works by mobilizing a permanent team of engineers and technicians of 15 people on site within the IOSIS INTERNATIONAL team. In addition to project management, TECHNIPROJET has drawn up the specifications and participates in approving the plans for several additional buildings: training centers, hangars, offices, etc.

- The plant will have to produce up to 400,000 cars a year
- Right of way of 300 ha
- A built area of 200,000 m<sup>2</sup> covered





## Sucrerie Loukkos (SUCRAL)

**Techniprojet** has carried out the following tasks during this project:

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Geotechnical and Hydrogeological Study, Study of all civil engineering and VRD, Study of the metal framework (approximately 10,000 m<sup>2</sup> covered), Study of MV / LV electrical installations, Study of air-conditioning installations, Participation of the writing of written documents. Relationship to local subcontracting Site supervision.



## Northern Hopper Boucraa

Studies of civil engineering and follow-up work on the new North BOUCRAA hopper on behalf of SMESI.

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**Global Investissement : 20 MEUR**



# ENERGY



**TECHNIPROJET** is one of the first design offices to be involved in national energy production projects, either alone or in a grouping with the largest international engineering companies in the field.





## Centrale thermo-solaire de Ain Beni Mathar

Collaboration with FICHTNER  
in the elaboration of the tender  
documents for the realization  
and supervision of the thermal  
solar power station of Ain Beni  
Matha on behalf of the ONE.

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**Thermo** : 452 MW  
**Solaire** : 20 MW



## **National Center for Nuclear Energy, Science and Technology(CNESTEN)**

TECHNIPROJET has carried out a technical assistance mission in the framework of a consortium for the preparation and establishment of contracts for the general contractors responsible for the construction of the Maamora Research Center (CEN), This preparation was made on the basis of numerous detailed studies for all building trades, Infrastructures and Technical Installations

**Category:** Nuclear Energy

**Duration :** 24 months

**Global Investissement :** 90 MEUR



# INFRASTRUCTURES



**TECHNIPROJET** has intervened and is intervening on major infrastructure projects, in particular the development of new urban areas and new towns



## Royal Avenue in Casablanca

Sonadac Town site

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**Site :** Casablanca

**Client:** SONADAC

**Area :** 350 ha

**Calendar:** 2015

**Mission :** Etudes de VRD



## Social Projects l'OCP at Youssoufia

Staff Club, Omnisport Room,  
Women's and Youth Hostels,  
Equestrian Club, Municipal  
Complex, Area of Activity)

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**Site :** Youssoufia

**Client:** OCP

**Architect :** Koumiha/El Abssi

**Covered Area:** 30 000 m<sup>2</sup>

**Calendar:** 2017

**Cost of works:** 8 MEUR

**Mission :** Studies and Works follow-up – All  
building trades.





## Mine Verte at Khouribga

Site : Khouribga

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**Client:** OCP

**Surface :** 380 ha

**Calendar:** 2015

**Budget :** 400 MEUR

**Mission :** Transport - VRD - Environmental impact assessment (in a consortium)

# + SUBSAHARAN AFRICAN PROJECTS



**TECHNIPROJET** intervened and intervened on many projects in sub-Saharan Africa, including infrastructures, public and residential facilities.



## PDA ( FISHING TOWN) - CONAKRY

**Site :** Bonfi et Teminitaye (Conakry)

**Client:** Department of marine  
Fisheries - BPMG

**Architect :** Zakaria Errafii

**Site areas:** 6700 m<sup>2</sup> each

**Delivery :** March 2017

**Mission :** Technical Studies TCE,  
Scheduling, Steering,  
Coordination and follow-up of  
construction works

**Project cost:** \$ 3,400,000.00

Africa



## Mother and Child Hospital in Conakry

**Site :** Conakry (Sonfonia)

**Client:** Fondation - Mohammed VI pour le développement durable

**Architect :** Mohammed Amine Kabbaj

**Covered Area:** 7000 m<sup>2</sup>

**Site Area :** 4 ha

**Delivery :** 2018

**Mission :** Etudes et suivi des travaux TCE

**Project cost:** \$ 16,000,000.00

Africa



## **PDA (Fishing town) in Soumbédioune - DAKAR**

**Site :** DAKAR

**Client:** Department of Marine  
fishing- CDS

**Architect :** Mehdi Berrada

**site Areas:** 2,3 ha

**Calendar:** 2017

**Mission :** Detailed technical  
studies, scheduling,  
management, coordination and  
follow-up of construction works.

**Project cost:** \$ 3,000,000.00



## BURKINA FASO - OUAGADOUGOU

Ouagadougou (Burkina Faso)  
**Client:** EGIS INTERNATIONAL  
**Missions:** Studies  
(APS/APD/DCE/EXE) of external  
networks, Public Lighting -  
telephone networks MT/BT  
power supply network  
**Project cost:** \$100,000,000.00



## **NIGER – Detention Center NIAMEY**

**Site:** Niamey (Niger)

**Client:** State Département -USA  
(INL)

**Architect:** Hollingsworth Pack

**Mission:** Studies of electricity –  
High and Weak ; fluids studies

**Coût du projet :** \$ 24,000,000.00



## Professionnal training Center In Antsirabe

**Site:** Antsirabe

**Client:** Fondation Mohammed VI pour le développement durable

**Architect:** Mohammed Amine Kabbaj

**Covered Area:** 2000 m<sup>2</sup>

**Calendar:** 2018

**Mission:** Studies and works follow-up - All Trades

**Project Cost:** \$ 3,000,000.00





## HOSPITAL MOTHER AND CHILD-ANTSIRABE

**Site:** Antsirabe

**Client:** Fondation Mohammed VI pour le développement durable

**Architect:** Mohammed Amine Kabbaj

**Covered Area:** 6000 m<sup>2</sup>

**Site Area:** 4 ha

**Calendar:** 2018

**Mission:** Studies and works follow-up All trades

**Project cost:** \$ 10,000,000.00



## **PDA (Fishing Town) in Locodjro - Abidjan**

**Site :** Abidjan

**Client:** Department of Marine  
Fishery - SIB

**Architect :** Zakaria Erafii

**Site :** 1.3ha

**Calendar:** 2017

**Mission :** Detailed Technical  
Studies, Scheduling, Steering,  
Coordination and monitoring of  
Construction work

**Project Cost:** \$ 3,000,000.00



## PDA (Fishing Town) in Grand Lahou

**Site :** Grand Lahou

**Client:** Department of Marine fisheries- SIB

**Architect :** Mehdi Berrada (LMNTS)

**Site Area:** 1.3 ha

**Calendar:** 2017

**Mission :** Detailed Technical Studies, Scheduling, Steering, Coordination and monitoring of Construction work

**Project Cost:** \$ 3,000,000.00



## Luxury Villas - Abidjan

**Site :** Abidjan

**Client:** Phenix SCI

**Architect :** Jawad El Alami

**Covered Area:** 5000 m<sup>2</sup>

**Calendar:** Mi- 2018

**Mission :** Project Management Assistance, Detailed Technical Studies, Scheduling, Steering, Coordination and monitoring of Construction work

**Project Cost:** \$ 3,000,000.00