



**UniBuild  
Consultancy**



# **STATEMENT OF CAPABILITIES**

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# Profile

Established in early 2009, UniBuild group of companies started with its construction division UniBuild Construction in New York offering a diverse range of services from traditional contracting to a complete construction package that spans over several regions of the world.

UniBuild Consultancy DWC, LLC in Dubai, UAE was formed in collaboration between Tarek Tawfik, UniBuild founder and group owner, and Eng. Mirko Pastrovicchio with 15 years experience, providing expert technical support and professional services in civil, structural and electro-mechanical design. The Joint venture between UniBuild founder and Eng. Pastrovicchio was established to complement the construction subsidiary with services that span the range of the project cycle from customizing an engineering solution, providing design services, project management services that draw together the relevant disciplines from across the full range of expertise, including structural, electrical, mechanical, and civil engineering along with UniBuild's association with renowned providers of Building Information Modeling (BIM) software that replaces traditional two dimensional drawings with a complete three dimensional, data-driven model of any structure. UniBuild has gained a reputation for providing the highest level of professional Design / Project Management services in the Middle East, Europe and the United States. UniBuild has been able to achieve this expansion through effective internal management of the UniBuild team and by the hard-work of all those involved in managing and directing the company.



Today, UniBuild is proud to be amongst the most successful Design and Project Management firms in this field. This expertise and deep understanding of local and regional conditions ensures that UniBuild's clients realize projects that are not only completed on time and within budget, but also function as they should without complications.

## **UniBuild offers a complete and integrated range of professional services that are tailored to the individual client's requirements:**

- Civil / Architecture / MEP Engineering Design
- Design of RC & Steel structures
- Design of Energy and Industrial Plant
- Building Information Modeling (BIM)
- Landscape Architecture
- Public Facilities Design
- Survey and Mapping
- Traffic and Transportation Engineering
- Water and Wastewater Engineering
- Project Management
- Pre-Design Management
- Design Management
- Value Engineering
- Construction Management

UniBuild professionals have a proven track record of bridging the gap between Contractor representatives, the developer, and consultant team, thereby increasing the overall value of each project. Our expert teams are proficient in understanding the critical issues affecting a project and are well versed in taking projects from the conceptual phase through completion.

The role of our designers is to translate project opportunities into a comprehensive design concept. As a Design Engineering Consultant, our teams are accustomed to working in multi-disciplinary situations and UniBuild often plays the lead role on large-scale projects.

- Project Control Systems
- Planning & Scheduling
- Claims Management & Resolution
- Facilities & Property Management



# We are ISO 9001:2015

UniBuild Consultancy is proud to be awarded ISO 9001 certification, an internationally recognized standard that ensures that our services meet the needs of our clients through an effective quality management system.

We have developed and implemented our quality management system to improve the overall performance, maintain a high level of quality and strong customer service and provide a sound basis for sustainable development initiatives. Our decision to work towards ISO 9001 accreditation demonstrates the commitment to providing a high-quality and consistent service to our clients and our ongoing investment in technology and development.

Therefore, we can proudly and safely state that UniBuild Consultancy is built with quality and transparency in mind. We integrate the attitude of quality in our daily work and continuously challenge ourselves to improve the quality management system to provide services that meet or exceed the needs and expectations of our clients, always complying with the specifications and regulations.

# Why UniBuild?

A firm is only as good as its reputation. That reputation is earned by the ability to consistently deliver projects on time and within budget. The inclusion of UniBuild as a designer / project manager and a member of your team offers you the following advantages:

- Broad Range of Experience
- Innovative Project Approaches
- Regional Knowledge & Presence in the Middle East / Europe / United States
- High Caliber In-House Construction & Engineering Expertise
- Quality Control Throughout the Life of Your Project
- Fast-Track Project Delivery Experience
- Top Management Commitment



# Civil / Architecture / MEP Engineering Design

## Overview

Engineering design is the process of devising a system, component, or process to meet desired needs. It is a decision-making process, in which the basic science and mathematics and engineering sciences are applied to convert resources optimally to meet a stated objective. Among the fundamental elements of the design process are the establishment of objectives and criteria, synthesis, analysis, construction, testing and evaluation. Civil engineering is a professional engineering discipline that deals with the design, construction, and maintenance of the physical and naturally built environment, including works such as roads, bridges, canals, dams, airports, sewerage systems, pipelines, and railways. Architectural Engineering, also known as Building Engineering, is the application of engineering principles and technology to building design and construction. Mechanical, electrical and plumbing (MEP) refers to these aspects of building design and construction. MEP design is important for design decision-making, accurate documentation, performance and cost-estimation, construction planning, managing and operating the resulting facility.

## Objective

To obtain a successful project by having all project goals identified early on and where the interdependencies of all building systems are coordinated concurrently from the planning and programming phase. Further, all design objectives: accessible, aesthetics, cost effective, functional/operational, historic preservation, productive, secure/safe, and sustainable and their interrelationships must be understood, evaluated, and appropriately applied.

## ACCESSIBLE

Pertains to building elements, heights and clearances implemented to address the specific needs of disabled people.

## AESTHETICS

Pertains to the physical appearance and image of building elements and spaces as well as the integrated design process.

## COST-EFFECTIVE

Pertains to selecting building elements on the basis of life-cycle costs (weighing options during concepts, design development, and value engineering) as well as basic cost estimating and budget control.

## FUNCTIONAL / OPERATIONAL

Pertains to functional programming—spatial needs and requirements, system performance as well as durability and efficient maintenance of building elements.

## HISTORIC PRESERVATION

Pertains to specific actions within a historic district or affecting a historic building whereby building elements and strategies are classifiable into one of the four approaches: preservation, rehabilitation, restoration, or reconstruction.

## **PRODUCTIVE**

Pertains to occupants' well-being—physical and psychological comfort— including building elements such as air distribution, lighting, workspaces, systems, and technology.

## **SECURE / SAFE**

Pertains to the physical protection of occupants and assets from man-made and natural hazards.

## **SUSTAINABLE**

Pertains to environmental performance of building elements and strategies.

# **Scope of Services**

- Phase 1:** Schematic Design
- Phase 2:** Design Development
- Phase 3:** Construction Documents
- Phase 4:** Bidding
- Phase 5:** Construction Administration





# Design of RC and Steel Structures

## Reinforced Concrete structures

For reinforced concrete structures the following documents are produced in order to provide the site team with all the necessary information for the works activities:

- Calculation Report
- Static and dynamic calculation under the vibrating machines
- Formwork drawings, plan and sections, in scale 1:100; 1:50; 1:25 according to the complexity of the structures. In such drawings, all the relevant dimensions, the location of openings, if any, and any other information necessary to complete the work will be clearly indicated
- 3D drawing with Tekla™ – Revit™ – Aveva E3D™
- Detail drawings in scale 1:25; 1:20; 1:10, according to the necessity of clear understanding.
- Reinforcement drawings indicating the element mark, the quantity, the bar diameters and any other information relevant to the design.
- Bar Bending Schedule, where for each shape it indicates the mark number, the dimensions, the length and weight, as well as the total length and weight for each diameter.

## Steel Structures

Based on the electro-mechanical input received or assumed, we prepare the detailed design of structural steel buildings along with the following documents:

- Arrangement drawings (plan and sections) indicating the type of profile, the position of the members in plan and section, base plates and anchor bolts.
- All these drawings will be prepared in suitable scale, 1:100; 1:50 or other, in order to allow the Manufacturer and site to clearly understand the project.
- 3D drawing from Tekla™
- Typical detail of connection with loads indication or full connection details in scale 1:25; 1:10; or 1:5

# Design of Energy and Industrial Plants

Unibuild can create and develop any type of design due to the many years of experience gained by our team studying and developing large power station and Industrial plants.

## Project Types

- Power Plants (Gas and Combined Cycle)
- Biomass Plants · Substations
- Industrial Plants · Airports
- Marine Works · Civil Building
- Solar Plants

## Service Offered

- General Layouts
- Basic Design (FEED) / Detail Design
- Piling and Foundations Layout
- Foundation Calculation
- Seismic and Dynamic analysis
- Structural Calculation
- Outline and Formworks drawings
- Reinforcement drawings and BBS
- One-line steel drawings
- Steel Connections Design
- Workshop drawings
- Architectural drawings / Finishing Details
- Underground and Services Design
- Bill of Quantities (BOQ)
- Feasibility Studies
- Specifications for Soil Investigation and Geotechnical Reports
- Site Supervision and Site Engineering

Unibuild has a significant experience in the analysis and design of steel and reinforced concrete structures. This background has been developed through numerous projects in civil construction, industrial installations and power generation.

State of the art analysis performed by personnel with several years of experience and strong technical and scientific background ensure optimal solutions for structural design, seismic engineering, structure dynamics, soil structure interaction analysis, thermal analysis, vibration and fatigue analyses.

In all fields of activity, we can provide the full range of consultancy and engineering services expected by our Clients, from master planning technical advice, general and preliminary design studies to detailed design and tendering, through to construction supervision always in compliance with the international design codes.

Site engineering includes the activities required to define the site conditions for design and construction of power plant foundations, including supervision estimates. Unibuild provides a team of engineers ready to assist the client during the construction phases and develop on site detailed engineering (civil, structural and mechanical).

# Building Information Modeling (BIM)

## Overview

The ability to visualize the built environment is critical to the design and construction of civil construction projects. While 3D simulation is widely used in the design phase of infrastructure projects, it is still gaining momentum in the construction phase.

Advancements in 3D and 4D simulation technology, however, now make it possible for project stakeholders to better visualize the construction process of complex buildings and infrastructure projects. This advanced visual communication provides a valuable asset to the building design process and is one that civil engineering projects should adopt.

More construction project sites now use virtual design and construction simulation. Virtual simulation provides a 3D and 4D computer-generated representation and offers a very realistic view of buildings, bridges, infrastructure, and other graphical models.

These models can deliver many benefits to civil projects by making it possible to show stakeholders the planned construction sequence of a project and visualize its physical evolution.

Before the building process starts, construction plans can be virtually conceived and fine-tuned to cut out inefficiencies. For example, a visual simulation can allow for changes to a structure's geometry.

## Objective

To assist the Owner in establishing a complete Program to meet the goals of his project starting with project feasibility and providing a continuous comprehensive managed process that develops the Program into a reality and a successful operation.

## Benefits

This offers clients the ability to reduce costs by making the changes virtually before actual construction has begun. Virtual construction also increases safety because it can identify any problem issues early in the design process. In addition, communication and decision-making across the project life cycle is enhanced.



# Project Management

## Overview

The process of Project Management is a proven method which combines the project phases of pre-design, design, tender, construction and occupancy into a series of tightly integrated tasks. This will frequently bring together the Owner, Designer and Construction Manager in an interactive relationship and will allow the Owner to participate in the construction process.

UniBuild has the experience and expertise to ensure that a smooth operating link is formed. In addition to the traditional design and build, with one general contractor approach, there is the option of the fast-tracked, multi-packaged approach. Fast-tracking allows the acceleration of the project duration by the overlapping of the design and construction activities. Whichever method is appropriate for a particular project, UNIBUILD has the experience to ensure the delivery of a project that is on time and within budget.

## Objective

To deliver an operational project that meets goals while providing owners with the targeted financial returns, in the shortest possible time.

## Scope of Services

The following are the services offered for a complete project management package, but the various components of project management may be utilized separately depending on the requirements of the specific client and project.

# Pre-Design Management

## Overview

Pre-design management establishes organization procedures, goals of the building program and definition of scope. It also will produce the project base line budget and the project master schedule. During the effort, working capital requirements are identified for the planning, design and construction phases of the project. A management plan is developed and technical input is provided to produce sensitivity analyses and graphics for modeling the construction budget, schedule and rate of return, if applicable. Top architects and engineers are identified and a Terms of Reference and selection of jury, if required, are prepared.

## Objective

To realize the maximum opportunities to ensure quality and cost and time savings during the very early phases of the project life cycle.

## Scope of Services

To avoid these cost increases, UniBuild offers the following services:

- Mobilization
- Program Definition and Enhancement
- Agreements and Contracts
- Feasibility Studies
- Selection of Site
- Cost Estimating & Budget Allocation
- Master Schedule
- Financing Analyses
- Evaluation of Architecture & Engineering Firms
- Evaluation and Coordination of Design Proposals
- Evaluation and Coordination of Design Competitions
- Recommendation for Selection of Design Firm
- Computer Modeling
- Approvals and Contract Award

# Pre-Design Management

## Overview

Errors, omissions and lack of coordination of design documents prior to construction do occur. Failure to detect them prior to the award of the construction contract may result in the need for issuing costly change orders that could delay the project completion date as well as cause construction disputes. UniBuild offers a systematic approach to this problem that will reduce change orders, time extensions and claims so that a successful construction stage of the project will be realized.

## Objective

To enhance design quality by in-depth independent reviews of the design documents produced by the consultant.

## Scope of Services

An intensive review of all design documents is made to identify problems with coordination and errors and omissions. Recommendations are then made related to construction feasibility, the availability of labor and materials, and the time required for procurement and construction.

These design reviews are conducted by a multi-disciplined team of professionals that ensure that the design documents conform with the following key principles:

- Valid design criteria and justifiable assumptions
- Requirements from the statutory authorities
- Applicable codes and regulations
- Accuracy and full coordination
- Contractual requirements of the terms of reference and design agreement
- Implementation of cost-effective systems and materials
- Highest possible standards of production

By using this very systematic approach, UniBuild is able to identify and minimize the sources of change orders, time extensions and potential claims, thereby ensuring maximum opportunities for the success of the construction phase of the project.

With many major projects, savings of 5%, or more, of the total construction cost can be realized by the implementation of this Design Review program.

# Value Engineering

## Overview

Value Engineering is a continuous review and refinement process of design and specification, which augments the design efforts from initial concept up to the issuance of the last construction variation. It is normal that the integration of a Value Engineering program will result in a project savings of 5% to 15%, and a functional design within budget.

## Objective

Utilizing a systematic approach, which identifies and provides the required functions of a project at the lowest possible cost, keeping the design intent unchanged, which will result in the following:

- Savings on construction costs
- Lower life cycle costs
- Improved operational performance
- Reduced maintenance costs
- Identification of risks and mitigation strategies

## Scope of Services

### Ongoing Regular Value Engineering

At the beginning of a project, a VE analysis is performed to ensure the design consultant operates within overall cost constraints and provides maximum efficiency. The components of this analysis would include:

- Examine potential cost benefits of special studies
- Review progress drawings
- Comment on progress drawings
- Work with design consultant to make adjustments to maintain overall budget
  - Conduct cost, time and efficiency studies
- Analysis of high cost and problematical elements
- Incorporate operational and conservation issues into the early design process

# Construction Management

## Overview

The process of Construction Management treats the planning, design and construction phases of a project as integrated tasks rather than separate functions. Using this project delivery method, UniBuild applies the latest management techniques to planning, design and construction so that time, cost and quality are assured for the owner.

At the inception of a project, UniBuild formulates critical project decisions into a coordinated and objective plan. This includes the formation of a project team comprised of the owner, designer and construction manager who offers construction expertise during the design phase to monitor and control the design and construction efforts, producing the desired completed facility.

## Objective

To plan, monitor and control the design and construction efforts to produce the desired completed facility while meeting a prescribed budget and schedule.

## Scope of Services

- Progress Meetings
- Procedures Manuals
- Safety Program
- Pre-construction Meetings
- Contract Administration
- Permits and Licenses
- Bonding and Insurance
- Document Control
- Claim Evaluation
- Scheduling
- Project Accounting
- Quality Control
- Change Orders
- Supervision
- Inspections
- Payments
- Commissioning & Turnover
- Project Records
- Reporting
- Occupancy Schedule
- Punch List
- Certificate of Occupancy
- Warranties
- Operations & Maintenance
- Final Accounting
- Move In



# Project Control Systems

## Overview

To better plan and control a complex project, it has to be divided into smaller yet integrated parts that become easier to plan, monitor and control. Better control of the whole is achieved through control of the components, which are referred to as work packages, activities or tasks. Project Control Systems (PCS) allow project managers to set initial plans and objectives, while allowing them to consequently monitor and control plans and objectives.

## Objective

PCS applies a verification process that compares plans against actual accomplishments during each phase of the project cycle. Reports that delineate deviations are generated which allow management to identify causes and react accordingly and to make forecasts such as fiscal requirements and projected progress or completions.

## Scope of Services

UniBuild' sophisticated Project Control Systems provide the following invaluable reporting components to assist the project manager:

## Time/Resource Control

- Milestones Achievement Tracer
- Summary Master Schedule
- Project's Delivery Critical Paths
- Project Progress S-Curve
- Look Ahead Schedules
- Cost Loaded Payment Valuation Report
- Resource Management
- Procurement Management Cost Control
- Project Buy-Out Report
- Contracts and Purchase Orders Control Report
- Payment Requisition Log Contract Control
- Over Due Submittal Log
- Trace Issue Report
- Ball In Court Report
- Pending Requests and Changes
- Punch List by Contractor
- Bonds and Insurance Log

# Planning & Scheduling

## Overview

Planning and Scheduling is performed in conjunction with Project Management and Construction management Services. This professional service can be provided from the early conceptual phase of the project until the complete commissioning and operation has been achieved. It will establish the required time frame for all phases including feasibility, design, preconstruction and construction activities. This service utilizes the latest computer software in the industry and is tailored to meet the needs of the individual client and his project.

## Objective

Utilize expert professionals and state of the computerized Scheduling Software to plan and schedule every aspect of the project. Continuously review and re-plan the project activities as required using a systematic approach to monitor and control the project activities with the Project and Construction Management Teams, to maintain the project completion time.

## Benefits

UniBuild Planning and Scheduling services provide the latest technology and professional expertise needed to plan and control all phases and activities of the project. It provides regular updates of critical information necessary to make informed management decisions the project schedule.

## Scope of Services

The Planning and Scheduling services provide the quantitative analysis of time in relation to the project time line and gives the details to make the qualitative decisions regarding all planning activities. The services include:

- Planning of Clients Priorities and Milestones
- Implementation of the Computerized Scheduling Software
- Project Phasing and Time Frames
- Scheduling of Time, Manpower and Cash Flow
- Long Lead Procurement Planning
- Establish Clear Demarcation Lines
- Plan Logical Sequence and Ease of Construction
- Adjust for Labor Force Availability and Material deliveries
- Include Client Furnished Items
- Kick Start (Municipal Approvals, Clearing Site, Fencing, Excavation, Temporary Facilities)
- Attend regular meetings with the Project Management and Construction Management Team to review and give advice on the current status of the project planning and schedule
- Provide Regular Schedule Reports
- Identify Potential Time Overruns
- Advise corrective action and assistance to implement the required variations

# Claims Management & Resolution

## Overview

The least costly method of avoiding claims and resolving disputes is to institute an effective claims management program well in advance of construction. UniBuild works closely with clients to ensure that risks are fully understood and associated costs are completely determined. Our extensive experience insures that the client is fully aware of implications associated with sharing, shifting, and controlling those risks that cannot be totally prevented.

UniBuild works side-by-side with the client and his staff to recognize and resolve possible disputes early on when costs and difficulties associated with changes are minimal. Even with the best of claims avoidance strategies, disputes will occur. Projects will frequently fall far behind schedule; significant unexpected costs are incurred and claims will proliferate. Because of our strong reputation, UniBuild is frequently retained, both during and after construction, to deal with claims and the development of dispute resolution tactics.



## Scope of Services

UniBuild uses the experience from the resolution of a multitude of major claims to assist its clients and their respective counsel by:

- Determining Liability Identification, analysis and evaluation of the factual and contractual issues to determine liability.
- Establishing Causation Performing delay, acceleration and productivity analyses to determine the effect of the action or inaction of the responsible parties on time and cost (causation).
- Calculating Damages Determine the monetary cost of damages resulting from the contractor's or designer's actions and inactions and whether these damages are reasonable, allowable, provable, and recoverable.
- Resolving Claims Based upon its proven track record, UniBuild will participate in any negotiations, arbitration, litigation, or administrative hearings necessary to develop and satisfy resolution to claims.

# Facilities & Property Management

## Overview

UniBuild Property Management Department provides state-of-the-art property management services to clients in the region.

## Objective

Improve the value of an asset; increase cash flow and equity.

## Benefits

- Save you time
- Assume the burden of responsibility
- Provide professional service
- Submit detailed reporting and operating statements
- Save you money with our competitive fees

## Scope of Services

### Marketing

- Analyze market conditions
- Recommend/ approve rental rates

### Administration and Management

- Design and implement emergency preparedness programs
- Design and implement operating policies and procedures
- Monitor Property performance
- Administer leasing

### Tenant

- Routine communication with tenants
- Design and implement tenant retention program
- Execute market plan for attracting potential tenants

### Physical and Maintenance

- Regular property inspection
- Determine purchase orders
- Determine quality and quality of purchase
- Supervise Contractors
- Design and implement routine maintenance programs
- Design and implement preventive maintenance programs
- Approve and implement capital expenditure

### Accounting and Reporting

- Rent collection
- Prepare annual budget
- Prepare monthly operating statements

# UniBuild Experience

UniBuild has successfully delivered various projects across the following countries:

- Albania
- Chile
- India
- Iran
- Iraq
- Italy
- Jordan
- Kuwait
- Libya
- Pakistan
- Qatar
- Saudi Arabia
- Taiwan
- United Arab Emirates
- United Kingdom
- United States (Gov. Facilities)

UniBuild management, engineers and support team have built a reputation of providing quality work that is completed on time and on budget.



Our projects experience spans the areas of detailed civil engineering design, structural design - analysis - investigation, building engineering, Power Plant civil engineering design, project management, and special projects completed under the concept of Construction Management at Risk (CM@RISK).

The CM at risk is a delivery approach in which a construction management firm acts as an owner's consultant during the pre-development phase of the project. During this process, the owner of the project will rely on the CMAR, so it is empowered to contract multiple subcontractors and is acknowledged as the sole point of responsibility for the project delivery.



## **Civil / Structural Engineering Design**

### **CENTRALE DI MONFALCONE PROGETTO CCGT**

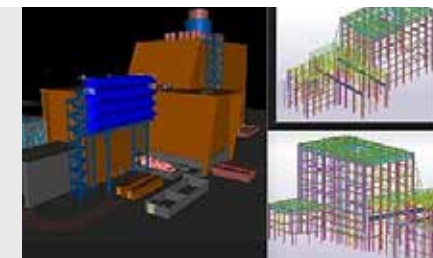
FINAL CLIENT: A2A - LIFE COMPANY

CLIENT: SINTECNICA ENGINEERING SRL / FATA EPC DIVISION OF FATA SPA - PART OF DANIELI GROUP

SCOPE OF SERVICES: DETAIL DESIGN -MULTI-DISCIPLINE DETAILED DESIGN. LEAD CIVIL AND STRUCTURAL ENGINEER FOR BASIC AND DETAILED DESIGN AND CALCULATION OF HEAT RECOVERY STEAM GENERATOR, GAS TURBINE AND AIR FILTER FOUNDATION ALONG WITH VARIOUS ASSOCIATED STRUCTURES IN A COMBINED CYCLE POWER PLANT.

COUNTRY: ITALY

DATE: 2022



### **PEAKER POWER PLANT GIAMMORO**

FINAL CLIENT: DUFERCO SVILUPPO S.P.A

CLIENT: SINTECNICA ENGINEERING SRL / DUFERCO ENGINEERING S.P.A.

SCOPE OF SERVICES: DETAIL DESIGN -MULTI-DISCIPLINE DETAILED DESIGN. LEAD CIVIL AND STRUCTURAL ENGINEER FOR BASIC AND DETAILED DESIGN AND CALCULATION OF GAS COMPRESSOR FOUNDATION AND STEAM TURBINE FOUNDATION ALONG WITH VARIOUS ASSOCIATED STRUCTURES IN A COMBINED CYCLE POWER PLANT.

COUNTRY: ITALY

DATE: 2022



### **RESTRUCTURATION DE L'USINE DE VALORISATION ENERGETIQUE DE VILLEJAN**

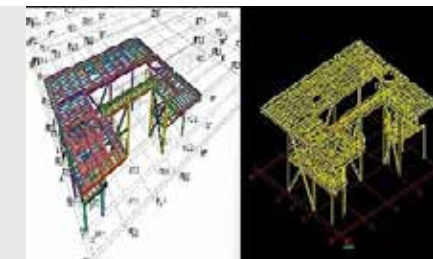
FINAL CLIENT: METROPOLE RENNES

CLIENT: SINTECNICA ENGINEERING SRL / FISIA ITALIMPIANTI

SCOPE OF SERVICES: DETAIL DESIGN -MULTI-DISCIPLINE DETAILED DESIGN. LEAD STRUCTURAL ENGINEER FOR BASIC AND DETAILED DESIGN AND CALCULATION OF TURBINE BUILDING STRUCTURE ALONG WITH VARIOUS ASSOCIATED STRUCTURES IN A COMBINED CYCLE POWER PLANT.

COUNTRY: FRANCE

DATE: 2021-2022



### **BUTIA 450 MW ISO COMBINED CYCLE POWER PLANT**

FINAL CLIENT: BUTIA IRANIAN STEEL COMPANY (BISCO)

CLIENT: SINTECNICA ENGINEERING SRL / FATA EPC DIVISION OF FATA SPA - PART OF DANIELI GROUP

SCOPE OF SERVICES: DETAIL DESIGN - MULTI-DISCIPLINE DETAILED DESIGN. LEAD CIVIL AND STRUCTURAL ENGINEER FOR BASIC AND DETAILED DESIGN AND CALCULATION OF ONE GAS AND STEAM TURBINES ALONG WITH VARIOUS ASSOCIATED STRUCTURES IN A COMBINED CYCLE POWER PLANT.

COUNTRY: IRAN

DATE: 2020



## **CHIA-HUI GAS-FIRED POWER STATION**

Final Client: Asia Cement Corporation

Client: MOTT MACDONALD

Scope of Services: Detail Design - Multi-discipline detailed design. Lead Civil and Structural engineer for basic and detailed design and calculation of 2 gas and steam turbines along with various associated structures in a combined cycle power plant.

Country: Taiwan

Date: 2019 - 2020



## **LA SPEZIA - CAPACITY MARKET ITALY**

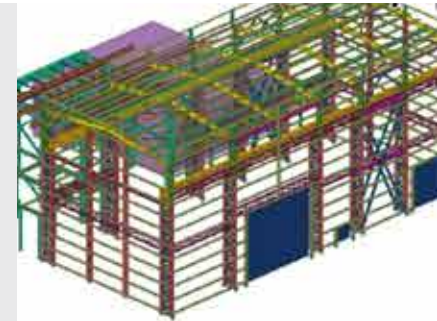
Final Client: Enel Produzione S.p.a

Client: MOTT MACDONALD / Ansaldo Energia

Scope of Services: Detail Design -MULTI-DISCIPLINE DETAILED DESIGN. LEAD STRUCTURAL ENGINEER FOR BASIC AND DETAILED DESIGN AND CALCULATION OF AIR INTAKE STRUCTUE ALONG WITH VARIOUS ASSOCIATED STRUCTURES IN A COMBINED CYCLE POWER PLANT..

Country: Italy

Date: 2019 - 2020



## **FUSINA - CAPACITY MARKET ITALY**

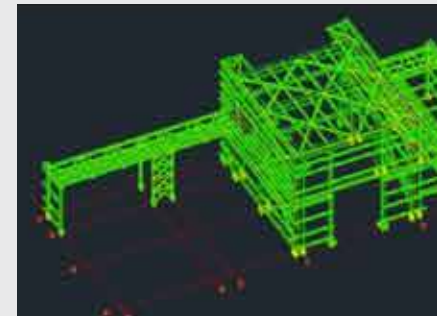
Final Client: Enel Produzione S.p.a

Client: MOTT MACDONALD / Ansaldo Energia

Scope of Services: Detail Design -MULTI-DISCIPLINE DETAILED DESIGN. LEAD STRUCTURAL ENGINEER FOR BASIC AND DETAILED DESIGN AND CALCULATION OF AIR INTAKE STRUCTUE ALONG WITH VARIOUS ASSOCIATED STRUCTURES IN A COMBINED CYCLE POWER PLANT..

Country: Italy

Date: 2019 - 2020



## **Civil / Structural Engineering Design**

### **BUTIA 450 MW ISO COMBINED CYCLE POWER PLANT**

FINAL CLIENT: BUTIA IRANIAN STEEL COMPANY (BISCO)

CLIENT: SINTECNICA ENGINEERING SRL / FATA EPC DIVISION OF FATA SPA - PART OF DANIELI GROUP

SCOPE OF SERVICES: DETAIL DESIGN - MULTI-DISCIPLINE DETAILED DESIGN. LEAD CIVIL AND STRUCTURAL ENGINEER FOR BASIC AND DETAILED DESIGN AND CALCULATION OF ONE GAS AND STEAM TURBINES ALONG WITH VARIOUS ASSOCIATED STRUCTURES IN A COMBINED CYCLE POWER PLANT.

COUNTRY: IRAN

DATE: 2020



### **Chia-Hui Gas-Fired Power Station**

FINAL CLIENT: ASIA CEMENT CORPORATION CLIENT: MOTT MACDONALD

SCOPE OF SERVICES: DETAIL DESIGN - MULTI-DISCIPLINE DETAILED DESIGN. LEAD CIVIL AND STRUCTURAL ENGINEER FOR BASIC AND DETAILED DESIGN AND CALCULATION OF 2 GAS AND STEAM TURBINES ALONG WITH VARIOUS ASSOCIATED STRUCTURES IN A COMBINED CYCLE POWER PLANT.

COUNTRY: TAIWAN

DATE: 2019 - 2020



### **Az-Zour South Gas Turbines to Combined Cycle Plant CCGT3**

FINAL CLIENT: SEPCO 3

CLIENT: MOTT MACDONALD

SCOPE OF SERVICES: DETAIL DESIGN - MULTI-DISCIPLINE DETAILED DESIGN. LEAD CIVIL AND STRUCTURAL ENGINEER FOR BASIC AND DETAILED DESIGN AND CALCULATION OF THE ADD-ON FOR TRANSFORMING EXISTING 2 GAS TURBINES IN OPEN CYCLE CONFIGURATION TO 2 GAS TURBINES PLUS 1 STEAM TURBINE COMBINED CYCLE POWER PLANT.

COUNTRY: KUWAIT

DATE: 2016 - 2017





### Jenbacher J920 Diesel Engine Modular Plant

FINAL CLIENT: GENERAL ELECTRIC CLIENT: WIDEUROPE ENGINEERING  
 SCOPE OF SERVICES: PROJECT ENGINEER FOR STANDARD DESIGN FOR 4 MODULAR DIESEL UNITS, INCLUDING CIVIL/STRUCTURAL DESIGN OF ALL REINFORCED CONCRETE AND STEEL STRUCTURE; MECHANICAL DESIGN FOR HVAC AND VENTILATION SYSTEM, BILL OF QUANTITY OPTIMIZATION. DESIGN OF FOUNDATIONS FOR 4 DIESEL GENERATORS.  
 COUNTRY: EUROPE

DATE: 2016



### 120 MW (Gross) CO-Generation Power Plant at Sanawan

FINAL CLIENT: FATIMA ENERGY  
 CLIENT: WIDEUROPE ENGINEERING - MOTT MACDONALD  
 SCOPE OF SERVICES: DESIGN CHECK AND IMPROVEMENT ON STG FOUNDATION PLUS SITE INSPECTION - SITE SURVEYOR AND SUPERVISOR OF NDT TEST ON DAMAGED, EXISTING TURBINE FOUNDATION. DESIGNER OF REMEDIAL ACTIONS FOR THE REUTILIZATION OF TURBINE FOUNDATION. SUPERVISOR OF LABORATORY TEST.  
 COUNTRY: PAKISTAN

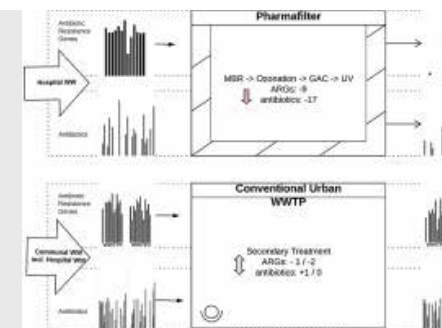
DATE: 2015



### Standard JDS - Waste Treatment Plant

FINAL CLIENT: HITACHI ZOSEN INOVA CLIENT: WIDEUROPE ENGINEERING  
 SCOPE OF SERVICES: DESIGN FOR TENDER STAGE FOR STANDARD - TIPPING HALL, WORKSHOP & STORAGE AREA - WASTE BUNKER - BOILER HALL - FGT & STACK - ASH STORAGE & ASH LOADING STATION - TURBINE HALL- MACHINE FOUNDATION - ACC - TRANSFORMER AND CONTROL ROOM - ELECTRICAL ROOMS & ADMINISTRATION BUILDING - WEIGHBRIDGE & GATE HOUSE - RAMP TO TIPPING HALL - WATER TREATMENT AREA - SUBSTATION - FIRE FIGHTING TANK - DRAINAGE - ROADS - FENCE & GATE - PARKING AREA WITH SHED - TENDER BOQ  
 COUNTRY: U.A.E.

DATE: 2015



## **Hereford Power Plant**

FINAL CLIENT: HITACHI ZOSEN INOVA CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: PROJECT SUPPORT ENGINEER DURING TENDER PHASE WITH DETAILED STRUCTURAL AND ARCHITECTURAL DESIGN FOR THE FOLLOWING UNITS: STEAM TURBINE BUILDING (CONCRETE & STEEL STRUCTURE), AIR COOLER, TRANSFORMER, SWITCH-GEAR, 11KV SUBSTATION AND CONTROL ROOM. DETAILED DESIGN INCLUDED PREPARATION OF BILL OF QUANTITIES AND 3D MODELING  
COUNTRY: UNITED KINGDOM

DATE: 2015



## **Umm Al Houl Power Project - Power and Desalination - IWPP - Facility D**

FINAL CLIENT: SAMSUNG - HITACHI ZOSEN

CLIENT: WIDEUROPE ENGINEERING - MOTT MACDONALD

SCOPE OF SERVICES: CIVIL DESIGN REVIEW OF ALL POWER PLANT FOUNDATIONS AND ELEVATION STRUCTURES

COUNTRY: QATAR

DATE: 2015

## **Abu Dhabi Danieli-GHC II**

FINAL CLIENT: CPS CREATIVE POWER SOLUTION CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: TENDER DESIGN FOR ADDITIONAL STEEL STRUCTURES FOR PROCESS GAS HEATER (PGH) IN ESI DRP1&2 COUNTRY: U.A.E.

DATE: 2015



## **100MW Solar Plant Dubai**

FINAL CLIENT: TOZZI SUD

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: TENDER DESIGN & BOQ EVALUATION FOR SOLAR PLANT. DESIGN OF VARIOUS SUPPORT FOR THE SOLAR PANELS (DRIVEN PILE - CONCRETE FOUNDATION) COUNTRY: U.A.E.

DATE: 2014



## **Wind Farm**

FINAL CLIENT: GE ENERGY (USA)

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: CONSULTING ENGINEERING SERVICE FOR WIND TURBINE DESIGN

COUNTRY: INDIA

DATE: 2014



## **Taltal Power Plant**

FINAL CLIENT: ALSTOM

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: PRE-DESIGN OF VARIOUS FOUNDATION (STEAM TURBINE - HRSG - WATER TANK - ADMINISTRATION BUILDING - PIPE RACK) UNDER SEVERE SEISMIC CONDITION

COUNTRY: CHILE

DATE: 2014



## **Jebel Ali, M-Extension Project**

FINAL CLIENT: SADEMI GHANTHOOT CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: DESIGN SUPPORT TO THE JOINT VENTURE SADEMI POWER/GHANTOOT GULF CONTRACTING (LOCAL DEVELOPMENT COMPANY) DURING TENDER PHASE FOR THE BILL OF QUANTITIES PREPARATION.

COUNTRY: U.A.E

DATE: 2014



## **Dubai Power Plant**

FINAL CLIENT: DEUTSCHE BABCOCK - BILFINGER CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: DETAIL DESIGN FOR HRSG REPLACEMENT - SITE CONCRETE. INVESTIGATION OF STRUCTURAL INTEGRITY OF EXISTING F9BE HRSG'S FOUNDATION (15X41M) AND BYPASS DUCT FOUNDATION. STRUCTURAL DESIGN FOR EXISTING AND NEW FOUNDATIONS FOR NEW FEEDWATER STATION. SITE INVESTIGATION, NDT TEST, DESTRUCTIVE TEST (CONCRETE CORE) AND SUPERVISION OF LABORATORY TEST.

COUNTRY: U.A.E.

DATE: 2014



## **Hamriya Power Station - Seawater Intake & Outfall**

FINAL CLIENT: ARTELIA - SOGREAH CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: DETAIL DESIGN OF THE 20MIGD SWRO PUMPING STATION AND OUTFALL SYSTEM. SCOPE OF WORK INCLUDED DETAILED DESIGN AND SITE ASSISTANCE DURING CONSTRUCTION OF PILE FOUNDATIONS AND REINFORCED CONCRETE STRUCTURE OPTIMIZATION

COUNTRY: U.A.E.

DATE: 2014



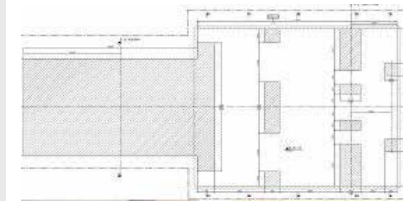
## **Dugas**

FINAL CLIENT: EXTERRAN BELLELI ENERGY CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DETAIL DESIGN FOR ADDITIONAL BUTANE STORAGE TANK AND FACILITIES - FOUNDATIONS & STEEL STRUCTURES  
COUNTRY: U.A.E.  
DATE: 2014



## **Samra Power Station Phase III add on Combined Cycle Project**

FINAL CLIENT: METKA  
CLIENT: WIDEUROPE ENGINEERING - MOTT MACDONALD  
SCOPE OF SERVICES: BASIC CIVIL DESIGN FOR - STEAM TURBINE FOUNDATION - ACC - HRSG - FEED WATER - PIPE RACK - GENERAL LAYOUT - ROADS -SERVICES COUNTRY: JORDAN  
DATE: 2013



## **Reconstruction & Upgrading of old Salwa RPS WTH Underground Reservoir**

FINAL CLIENT: TECTON  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: PROJECT AND STRUCTURAL ENGINEERING FOR PRE-DESIGN FOR TENDER - 7.5 MIGD UNDERGROUND RESERVOIR  
COUNTRY: QATAR  
DATE: 2013



### **Arar Power Plant – Extension IV**

FINAL CLIENT: SADELM  
CLIENT: WIDEUROPE ENGINEERING SCOPE OF SERVICES: CIVIL DETAIL DESIGN OF POWER PLANT  
COUNTRY: SAUDI ARABIA

DATE: 2013



### **14W2011 – 2X10 MIG RCC Water Tank at Burairat WDC-RAK**

FINAL CLIENT: BELHASA  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DETAIL DESIGN OF 2X10 MIG POST TENSIONED RCC WATER TANK - INCLUDED DESIGN OF ROADS & GENERAL LAYOUT - MOSQUE - PIPE RACK & PIPE TRENCH - HYDRAULIC STUDY  
COUNTRY: U.A.E.

DATE: 2012



### **15W2011 – 2X4 MIG RCC Water Tank at Shoukha-RAK**

FINAL CLIENT: BELHASA  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DETAIL DESIGN OF 2X4 MIG POST TENSIONED RCC WATER TANK - INCLUDED DESIGN OF ROADS & GENERAL LAYOUT - COUNTRY: U.A.E.

DATE: 2012



### **4W11 – 2 X 10 MIG RCC Water Tank & Pumping Station at Ghalilah Power Plant - RAK**

FINAL CLIENT: TECTON  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DESIGN REVIEW OF 2X10 MIG POST TENSIONED RCC WATER TANK  
COUNTRY: U.A.E.

DATE: 2012



### **02EW10 – Modification of Pre-Treatment system for SWRO Plant at Al Zawra**

FINAL CLIENT: VEOLIA - ESSA ENGINEERING CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DESIGN & DESIGN REVIEW OF PIPE SUPPORT AND PIPE RACK  
COUNTRY: U.A.E.

DATE: 2012

### **06EW10 – 15 MIGD SWRO Desalination Plant at Ghalillah - RAK**

FINAL CLIENT: AQUATECH  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: COMPLETE CIVIL DESIGN FOR THE 15MIGD SWRO PLANT, INCLUDING SHORELINE PROTECTION DESIGN, REVERSE OSMOSIS HALL, DAF SYSTEM, SEAWATER PUMP HOUSE, TANKS AND SERVICE BUILDINGS.  
COUNTRY: U.A.E.

DATE: 2011



## **7W-2010 1X10 & 2X4 MIG RCC Water Tanks at Central Plan Al Zawra - Ajman**

FINAL CLIENT: DHAFIR  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DETAIL DESIGN OF 1X10 & 2X4 MIG POST TENSIONED RCC WATER TANK  
COUNTRY: U.A.E.

DATE: 2011



## **HRSB Bridge**

FINAL CLIENT: GE FRANCE  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DETAIL DESIGN FOR STEEL BRIDGE CONNECTING 2 HRSB  
COUNTRY: EUROPE

DATE: 2011



## **Standard Turbine Foundation Anchor Bolts**

FINAL CLIENT: GE FRANCE  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DESIGN OF STANDARD ANCHOR BOLTS AND BASE PLATE FOR TURBINE FOUNDATION  
COUNTRY: EUROPE

DATE: 2011



### **04E/W10 Desalination Plant at Al Zawra - Ajman**

FINAL CLIENT: ESSA - CADAGUA

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: CIVIL DETAIL DESIGN OF 10MIGD SWRO PLANT. DETAIL DESIGN OF PILES LAYOUT, DRAINAGE SYSTEM, ROAD LAYOUT - PAVING DETAILS, ELECTRICAL TRENCH, SEAWATER INTAKE PUMP HOUSE, DAF AREA, REVERSE OSMOSIS HALL (FOR 4 UNIT/TRAINS EACH PRODUCING 2.5MIGD OF PRODUCT WATER PER DAY), PERMEATE DRAWBACKS AND FLUSHING AREA, SWITCHGEAR AND CONTROL BUILDING, TRANSFORMER AREA, EFFLUENT TREATMENT AREA, CHEMICAL AREA.

COUNTRY: U.A.E.

DATE: 2010



### **Zawia Power Station - Gas Heating System**

FINAL CLIENT: CPS CREATIVE POWER SOLUTION CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: DETAIL DESIGN OF PIPE SUPPORT - PIPE ROUTING - VARIOUS FOUNDATION

COUNTRY: LIBIA

DATE: 2010



### **4W09 - 1 MIG RCC Water Tank Thouban and Booster Pumping Station at Kidna**

FINAL CLIENT: ESSA

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: DETAIL DESIGN OF 1X10 & 2X4 MIG POST TENSIONED RCC WATER TANK - CIVIL DETAIL DESIGN OF PUMPING STATION

COUNTRY: U.A.E.

DATE: 2010

### **02EW10 – Modification of Pre-Treatment system for SWRO Plant at Al Zawra**

FINAL CLIENT: VEOLIA – ESSA ENGINEERING CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DETAIL CIVIL DESIGN FOR SWRO PLANT  
COUNTRY: U.A.E.

DATE: 2010



### **1W09 2X10 MIG Water Tank at Al Zawra - Ajman**

FINAL CLIENT: ESSA  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DETAIL DESIGN OF PILE FOUNDATION FOR 2 RCC WATER TANK – PIPE RACK – GENERAL LAYOUT – COUNTRY:  
U.A.E.  
DATE: 2010



### **5W09 2X5 MIG RCC Water Tank at Burairat-RAK**

FINAL CLIENT: ESSA  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DETAIL DESIGN FOR 2 X 5MIG POST-TENSIONED REINFORCED CONCRETE WATER TANKS AND ROADS; DESIGN OF  
EXTERNAL WORKS ASSOCIATED WITH ELECTRICAL SERVICES.  
COUNTRY: U.A.E.

DATE: 2010



### **12W09 Beach Wells at Ghalilah Power Plant**

FINAL CLIENT: ESSA

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: DETAIL DESIGN FOR BEACH WELLS SYSTEMS FOR EXISTING 3MIGD SWRO DESALINATION PLANT WITH ASSOCIATED ELECTRICAL SERVICES AND HYDRO- GEOGRAPHICAL SOIL INVESTIGATION AND SITE ASSISTANCE.

COUNTRY: EUROPE

DATE: 2010



### **Taji Power Plant Project**

FINAL CLIENT: URUK

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: CIVIL DETAIL DESIGN OF BALANCE OF PLANT, INCLUDING CIVIL DESIGN OF ELECTRICAL BUILDING, LABORATORIES, WAREHOUSE, FIREFIGHTING PUMP HOUSE, GATE HOUSES, OIL AND WATER TANKS.

COUNTRY: IRAQ

DATE: 2010



### **Standard & Combigolf2**

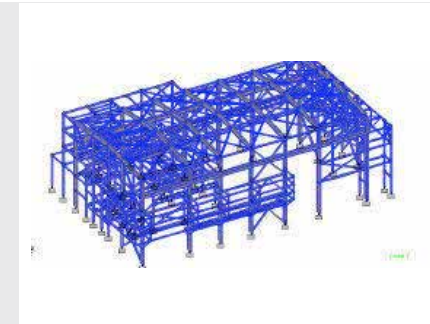
FINAL CLIENT: GE FRANCE

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: DETAIL DESIGN FOR STANDARD POWER PLANT - GT HALL STEEL STRUCTURE & FOUNDATION - HRSG - TURBINE FOUNDATION - VARIOUS FOUNDATION. OPTIMIZATION OF STEEL STRUCTURE QUANTITIES

COUNTRY: EUROPE

DATE: 2010



### **Al Khairat - Qudus - Nainawah - Power Plant**

FINAL CLIENT: ETA STAR  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: CIVIL BOQ EVALUATION AND TENDER DESIGN FOR 3 POWER PLANT  
COUNTRY: U.A.E.

DATE: 2010

### **Dubal - GTX Cogeneration Project**

FINAL CLIENT: ALSTOM  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DETAIL DESIGN FOR MISCELLANEOUS STEEL PLATFORMS  
COUNTRY: U.A.E.

DATE: 2009



### **Al Zawra Central Power Plant Supply And Construction Of Plant Internal Roads**

FINAL CLIENT: DHAFIR  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DESIGN OF ROADS AND PAVEMENT  
COUNTRY: U.A.E.

DATE: 2009

### **CPS-SE-217-07 Al Zawra Central Power Plant Station - A Utilities Block**

FINAL CLIENT: DHAFIR

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: CIVIL DETAIL DESIGN FOR THE UTILITY BLOCK AREA, FIN FAN COOLER FOUNDATIONS, UNDERGROUND SYSTEMS AND CONSTRUCTION OF SWITCHGEAR BUILDING. COUNTRY: U.A.E.

DATE: 2009

### **CCPP Bayet Power Plant**

FINAL CLIENT: ANSALDO ENERGIA

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: DETAIL CIVIL DESIGN OF B.O.P. OF POWER PLANT  
COUNTRY: FRANCE

DATE: 2009



### **RAF A1 New Water Plant at Ras Abu Fontas**

FINAL CLIENT: FISIA ITALIMPIANTI

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: PROJECT ENGINEER AND SITE SUPERVISION FOR PIPE RACK EXTENSION AND MISCELLANEOUS FOUNDATIONS.  
COUNTRY: QATAR

DATE: 2008

### **Combined Cycle Power Plant at Vlore**

FINAL CLIENT: ANSALDO ENERGIA  
CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: DETAIL DESIGN FOR STEEL STRUCTURE OF AIR INTAKE  
COUNTRY: ALBANIA

DATE: 2008



### **Doha West Power Project**

FINAL CLIENT: CPS CREATIVE POWER SOLUTION CLIENT: WIDEUROPE ENGINEERING  
SCOPE OF SERVICES: SITE SUPERVISION AND DETAIL DESIGN FOR 6 GAS TURBINE PEDESTALS, 6 CHIMNEYS, 1 ELECTRICAL BUILDING, 4 PIPE RACKS, VARIOUS MINOR FOUNDATIONS. COUNTRY: KUWAIT

DATE: 2007



### **Reverse Osmosis Desalination Plant at Ghalilha-Rak**

FINAL CLIENT: FISIA ITALIMPIANTI CLIENT: SOLLERS ENGINEERING  
SCOPE OF SERVICES: DETAIL DESIGN OF RCC STRUCTURES FOR DESALINATION PLANT  
COUNTRY: U.A.E.

DATE: 2005

### **Shuweihat S1 Power and Water Project**

FINAL CLIENT: FISIA ITALIMPIANTI CLIENT: SOLLERS ENGINEERING

SCOPE OF SERVICES: DETAIL DESIGN OF RCC STRUCTURES FOR WATER SPECIAL FACILITIES - STE SUPERVISION

COUNTRY: U.A.E.

DATE: 2004



### **Desalination Plant at Ras Lafan-Rak**

FINAL CLIENT: FISIA ITALIMPIANTI CLIENT: SOLLERS ENGINEERING

SCOPE OF SERVICES: DETAIL DESIGN OF RCC STRUCTURES FOR DESALINATION PLANT

COUNTRY: U.A.E.

DATE: 2003

### **Reverse Osmosis Desalination Plant at Ghalilha-Rak**

FINAL CLIENT: FISIA ITALIMPIANTI CLIENT: SOLLERS ENGINEERING

SCOPE OF SERVICES: DETAIL DESIGN OF RCC STRUCTURES FOR DESALINATION PLANT

COUNTRY: U.A.E.

DATE: 2005

## **Project Management**

### **Basra Sports City**

FINAL CLIENT: MINISTRY OF YOUTH AND SPORTS CLIENT: N/A  
SCOPE OF SERVICES: PROJECT / CONSTRUCTION MANAGEMENT  
COUNTRY: IRAQ

DATE: 2009

### **Al Wazzan Warehouse Facility**

FINAL CLIENT: ALWAZZAN GROUP CLIENT: N/A  
SCOPE OF SERVICES: PROJECT / CONSTRUCTION MANAGEMENT  
COUNTRY: KUWAIT

DATE: 2008

### **Rehabilitation of Gas Turbine Power Station**

FINAL CLIENT: NIPON KOE CLIENT: N/A  
SCOPE OF SERVICES: PROJECT / CONSTRUCTION MANAGEMENT  
COUNTRY: IRAQ

DATE: 2008



### **DFAC Facilities Upgrade**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: US ARMY  
SCOPE OF SERVICES: PROJECT / CONSTRUCTION MANAGEMENT  
COUNTRY: KUWAIT

DATE: 2007

### **Mosul Courthouse**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: N/A  
SCOPE OF SERVICES: PROJECT / CONSTRUCTION MANAGEMENT  
COUNTRY: IRAQ

DATE: 2006

### **LSA Anaconda Hospital - Balad**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: N/A  
SCOPE OF SERVICES: PROJECT / CONSTRUCTION MANAGEMENT  
COUNTRY: IRAQ

DATE: 2006

### **3000 Man DFAC Facility**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: EASTERN SOLUTIONS  
SCOPE OF SERVICES: PROJECT / CONSTRUCTION MANAGEMENT  
COUNTRY: KUWAIT

DATE: 2006

### **Communication Center**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: US ARMY  
SCOPE OF SERVICES: PROJECT / CONSTRUCTION MANAGEMENT  
COUNTRY: KUWAIT

DATE: 2005

### **KBR Warehouse**

FINAL CLIENT: KBR CLIENT:N/A  
SCOPE OF SERVICES: PROJECT / CONSTRUCTION MANAGEMENT  
COUNTRY: IRAQ

DATE: 2004

## **US Government Facilities**

### **Air Base Runway Replacement**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: US AIR FORCE  
SCOPE OF SERVICES: DESIGN / BUILD OF MAIN RUNWAY AND TAXI WAYS.  
COUNTRY: KUWAIT

DATE: 2012

### **Air Base Pilots Quarters**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: US AIR FORCE  
SCOPE OF SERVICES: DESIGN / BUILD OF PILOTS SLEEPING QUARTERS.  
COUNTRY: KUWAIT

DATE: 2011

### **Air Bas PAX Terminal Shade**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: US AIR FORCE  
SCOPE OF SERVICES: DESIGN / BUILD OF SHADE FOR TERMINAL. C  
COUNTRY: KUWAIT

DATE: 2011

### **Air Base AMU Shelter**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: US AIR FORCE  
SCOPE OF SERVICES: DESIGN / BUILD OF SHELTER.  
COUNTRY: KUWAIT

DATE: 2011

### **Air Base Fitness Center**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: US AIR FORCE  
SCOPE OF SERVICES: DESIGN / BUILD OF FITNESS CENTER.  
COUNTRY: KUWAIT

DATE: 2011

### **Air Base Perimeter Fence**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: US AIR FORCE  
SCOPE OF SERVICES: DESIGN / BUILD OF PERIMETER FENCE.  
COUNTRY: KUWAIT

DATE: 2011

## Miscellaneous

### **Sheikh Mohammed bin Rashid Al Maktoum Solar Park, Dubai**

FINAL CLIENT: DEWA

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: CONSULTANT FOR SUSTAINABLE AND INNOVATIVE LANDSCAPING. PREPARATION OF INFRASTRUCTURE REQUIREMENTS AND SPECIFICATION AS PER RTA. INTERNAL TRAFFIC RECOMMENDATION CONSIDERING FUTURE DEVELOPMENTS. INTEGRATION OF SUITABLE RENEWABLE AND SUSTAINABLE LANDSCAPING SOLUTIONS/TECHNOLOGY.

COUNTRY: U.A.E.

DATE: 2015

### **Sulaimaniay Residential Tower**

FINAL CLIENT: URUK

CLIENT: WIDEUROPE ENGINEERING

SCOPE OF SERVICES: STATIC AND DYNAMIC ANALYSIS OF RESIDENTIAL TOWER

COUNTRY: IRAQ

DATE: 2009

### **Air Base Perimeter Fence**

FINAL CLIENT: US FEDERAL GOVERNMENT CLIENT: US AIR FORCE

SCOPE OF SERVICES: DESIGN / BUILD OF PERIMETER FENCE.

COUNTRY: KUWAIT

DATE: 2011

# Principals

## **Tarek Tawfik** Founder & CEO

- B.S. Construction Engineering, American University in Cairo, Egypt.
- MBA Project Management, Pennsylvania State University, USA.

## **Mirko Pastrovicchio** Managing Partner

- Civil Structural Engineering, Italian University in Genova, Italy.

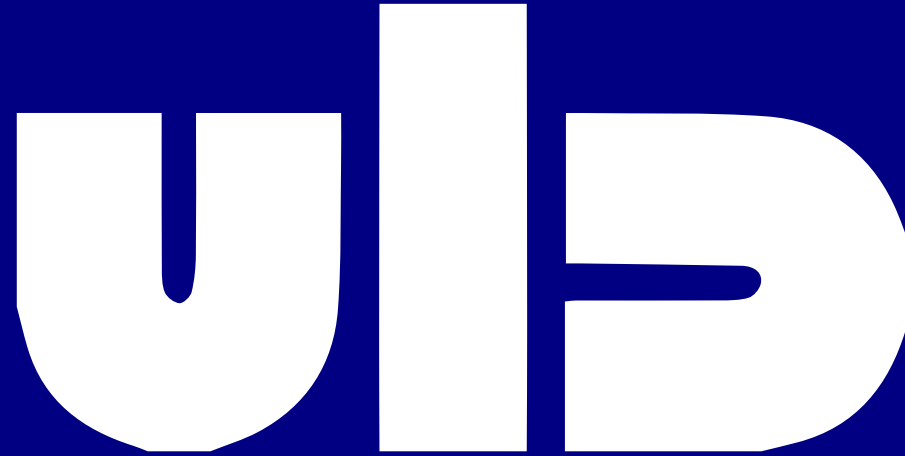
# CONTACT INFORMATION

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