



**TEKNO  
ENGINEERING**

**- EST - 2020**

# COMPANY PROFILE

Building solid foundations for an ever-changing world.

## Contact Us

+355 44 300 300 

info@teknoengineering.com 

Tirana, Albania 

# 01 INTRODUCTION

Established in 2020 we are a firm of qualified and experienced CAD & BIM professionals based in Albania, offering services not just nationally, but internationally.

Whilst we are proud to say that we are involved in large ongoing projects, we have also helped small businesses and individuals achieve their goals.

# 02 MISSION

Our purpose is to help our clients design, construct and operate better projects more efficiently by leveraging the full potential of BIM Building Information Modeling and related technologies.

Our team also finds its natural vocation in offering valuable and experienced assistance during the technical activity for construction phase.

Here, we express our vocation centred on the finalisation of engineering, coordination, modelling, both graphical and informative, up to LOD 500, and Test & Commissioning.

We can count among our resources MEP Engineers with extensive experience, both mechanical and electrical, who are able to handle assigned tasks in house independently and thus lead the BIM/CAD team without the constant support of the client's engineer.

# 03 VISION

Tekno Engineering strives to be recognized for being the most innovative services and solutions provider within the MEP Engineering & BIM Industry, with the best Customer Experience, delivering true Value Engineering on every project we work on and becoming the best corporate to work within our industry.



# 04 SCOPE OF WORKS

Our goal is to provide quality, efficient and cost-effective CAD & BIM services to the construction and offshore industries.

We pride ourselves on providing our clients with guaranteed first-class service every time. This is reflected in our high client retention rate.

## **Mechanical Engineering**

- Heating, Ventilating, and Air Conditioning Systems
- Central Plant Design
- Exhaust Systems
- Direct Digital Control (DDC) Systems
- Chilled Water Systems
- Heating Water Systems

## **Electrical Engineering**

- Electrical System Design
- Onsite Power Generation Requirements and Distribution
- Critical Power Systems
- Device Coordination and Arc Fault Services
- Lightning Protection Systems

## **Plumbing Engineering**

- Domestic Cold and Hot Water Systems
- Domestic Waste and Vent Systems
- Fuel Gas Piping Systems
- Storm Water Systems
- Water Conservation Systems

## **ELV Systems**

- Data transmission IT Networks; Local Area Networks(LAN) using Fiber Optic, Copper or Wireless
- Telephone (PABX) Voice & Video Intercom
- CCTV/ IP Surveillance
- Fire Alarm System ( Addressable & Conventional System)
- MATV/SMATV/ IPTV
- Sensors
- Vehicle Access Control
- Door Access Control
- Lift Access Control
- Lighting Control
- Public Address Broadcasting
- Tour Guard Patrol
- Parking Management
- Audio/Visual (Auditorium/Conference Halls)

## **Energy Management**

- Geothermal Heat Pump Systems
- Chilled Beam Systems
- Displacement Ventilation
- Dedicated Outside Air Systems
- Underfloor Air Distribution Systems
- Thermal Storage Systems
- Energy Recovery
- Free Cooling Systems
- Utility Monitoring

## **Sustainable Design**

- Sustainability Designs That Are Cost Effective For All Systems
- Alternative Energy
- Energy Conservation Technologies
- Energy Modeling
- LEED Consulting

We specialize in providing MEP Engineering & coordination services in order to finalize building information modeling (BIM) services for mechanical, plumbing and electrical systems and caters to MEP contractors, fabricators and general contractors. Our accurately generated and clash-free BIM models help improved collaboration amongst various parties involved in the construction process.

Our expertise in MEP BIM projects enable early identification and resolution of conflicts based on the engineering and coordination skills that need to be deployed. Tekno Engineering has had the privilege of working with some of the largest MEP engineering companies and contractors. We have provided standalone and integrated BIM modeling services to complex building projects such as hospitals, hotels renovation, corrections facilities and Stadiums.

We believe in being a partner with our clients throughout the entire project, from the beginning design concepts all the way through construction to the finish line. We strive to document all key elements for a complete engineering design helping avoid surprises later in the project. We value the importance of working with installing contractors to assure the constructability of our design. Our experience and expertise in the field of heating, ventilation and air conditioning systems BIM modeling together with advanced skillsets in BIM tools enable us to collaborate effectively with construction professionals from design to project handover stage.

Our MEP team has extensive experience in interdisciplinary MEP clash coordination over diverse range of projects Albania and abroad (Qatar, Italy, Egypt, Kosovo and Denmark).

Apart from clash-free BIM models, we also provide From LOD 100 to LOD 400 fabrication modeling, Up to BIM LOD 500 Information model completion, tagging and labeling procedure, fabrication drawings, spool drawings, coordinated MEP installation drawings, single line diagrams, scan to BIM as-built drawings and quantity take off service for material purchase. Our MEP modelers are masters in identifying and resolving conflicts or inconsistencies between architectural, structural & MEP disciplines before these issues are seen on site. Once the model is fully coordinated and is clash free, the shop drawings and erection drawings are generated. Our MEP modelers are adept in all the leading BIM software applications such as Revit, Navisworks.

We understand that energy costs and sustainability are important to our clients. We leverage our experience with LEED® energy requirements and load analysis to determine opportunities for energy savings.

# 05 PROJECTS

## Odense Hospital

**NyTOUH is one of the largest new Danish super hospitals located in the Region of Southern Denmark, which puts a human holistic and sustainable concept at the center. As part of this project, Tekno Engineering was assigned to execute MEP BIM modeling for all MEP Engineering & MEP services, Red Mark Up Drawing survey.**

### SCOPE OF WORKS:

Providing 3D building information modeling (BIM) services for mechanical, plumbing and electrical systems.

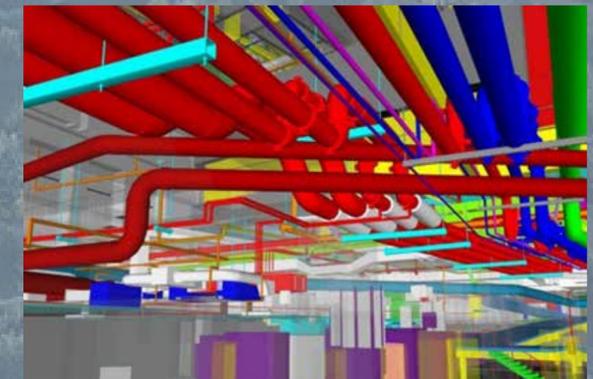
Client: CMB

Start Date: 2021

Completion Date: Ongoing

Project Value: € 6,500,000.00

Location: Denmark



**Four Season Hotel – DOHA**  
**Iconic hotel located in Qatar in which we were engaged in the Fully renovation dei sistemi MEP che ha coinvolto 240 guest rooms, public area & Tea Lounge Extension fornendo MEP Engineering Assistance & MEP BIM & CAD services.**

**SCOPE OF WORKS:**

Providing 3D building information modeling (BIM) services for mechanical, plumbing and electrical systems.

Client: Exa Trading & Contracting

Start Date: July 2019

Completion Date: December 2020

Project Value: QAR 30,000,000.00

Location: Doha



**Al Bayet Stadium – QATAR**  
**60,000-seat stadium located in Al**  
**Khawr, north-east Qatar, designed in**  
**the shape of a beautiful local tent.**  
**Our resources took part in the MEP**  
**Engineering, MEP Coordination, MEP**  
**Construction.**

#### **SCOPE OF WORKS:**

Providing 3D building information modeling (BIM) services for mechanical, plumbing and electrical systems.

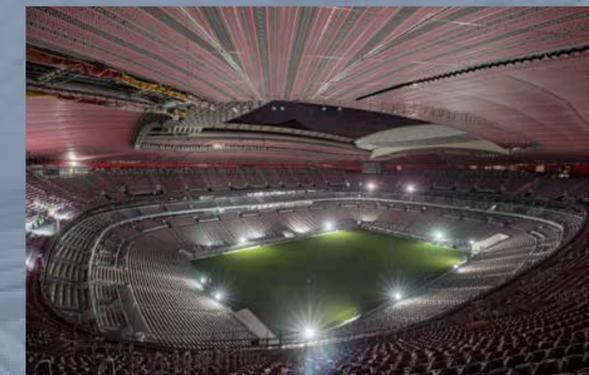
Client: Leonardo

Start Date: 2017

Completion Date: 2020

Project Value: QAR 40,000,000.00

Location: Al Khor





# TEKNO ENGINEERING

Building solid foundations for an ever-changing world.

+355 44 300 300 

info@teknoengineering.com 

Tirana, Albania 