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BROCHURE

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COMMERCIAL



DesignTeq

MEP.FP ENGINEERING DESIGN SERVICE

We are Engineers and we provide solutions.



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About Us

As engineers, we've come to realize that the most impactful creations, the ones that truly shape the future, don't just come from individual brilliance alone but from finding the right partner. Someone who has not just complementary skills but also embraces a shared vision, is a bedrock of unwavering integrity, and has the courage to pursue audacious dreams. That is who we are, and that is what we do. This understanding is the very foundation of our company.

Our professional identity is built on the belief that engineering is not just about solving problems but is also about fostering reliance. We want our clients to trust in our solutions & processes and we cultivate that trust through open communication by keeping them informed every step of the way, fostering a collaborative environment, and ensuring transparency.

We are passionate about bringing your aspirations to life. For us, engineering is the art of transforming abstract concepts into tangible realities. When you partner with us, you're not just hiring engineers but you're also gaining dedicated partners who are committed to understanding your needs, embracing your vision, and working tirelessly to make your dreams a reality.

Introduction

Our Commercial Sector experience began in 2018 with the Elim Romanian Pentecostal Church and Christian Center, a new ground-up construction of a religious institution in Chicago, Illinois. This project was in partnership with a+c architects where we provided tailored and scaled MEP solutions, including designing a specialized emergency generator system for a 65, 000 SF congregatory arena-type structure. We have since then established our credentials in providing efficient, reliable, and scaled MEP solutions for diverse commercial structures.



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Objective

Our goal is to deliver high-performance MEP.FP solutions for commercial structures, focusing particularly on energy efficiency and occupant-comfort, while aiming to be the go-to MEP.FP firm for large-scale commercial developments nationwide.

Sector Specialization

We specializes in providing tailored, efficient, reliable, and scaled MEP.FP innovative solutions for diverse commercial structures.

Differentiators

- Strong track record in large-scale projects
- Commitment to energy efficiency.
- Expertise in high-rise buildings.
- Advanced building automation.
- Integrated design approach.



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MEP.FP Engineering Design Services

We provide code-compliant general design services for standard building projects as well as specialized and innovative MEP.FP engineering solutions that is tailored for complex structural and design environments.

Mechanical Engineering

GENERAL DESIGN SERVICES

HVAC System, Building Automation System, Energy Management System, Plumbing System Design, Fire Protection System Design, and more.

SPECIALIZED DESIGN SERVICES

Sustainable Design (LEED), Data Center HVAC, High-Rise HVAC, Seismic Design, Vibration Analysis, and more.



Electrical Engineering

GENERAL DESIGN SERVICES

Lighting Design, Power Distribution, Life-Safety System, Telecommunications Infrastructure, Security System, and more.

SPECIALIZED DESIGN SERVICES

LEED Electrical Design, Smart Building Integration, Data Center Electrical, High-Rise Power Distribution, Building Management System, and more.



Plumbing Engineering

GENERAL DESIGN SERVICES

Domestic Water and/or Sanitary Waste System, Storm Drainage, Water Conservation, Plumbing for Tenant Improvements, and more.

SPECIALIZED DESIGN SERVICES

Water Re-Use System, LEED Plumbing Design, High-Rise Plumbing, Fire Suppression Integration, Sustainable Solutions, and more.



Fire Protection & Alarm System

GENERAL DESIGN SERVICES

Sprinkler and/or Fire Alarm System, Smoke Control, Standpipe System, Fire Modeling, and more.

SPECIALIZED DESIGN SERVICES

High-Rise Fire Engineering, Life-Safety Analysis, Computational Fluid Dynamics (CFD) for Fire, Performance-Based Design, Integrated Systems Testing, and more.



Elim Romanian Pentecostal Church



The Elim Romanian Pentecostal Church and Christian Center project is a new, ground-up construction of a congregatory arena-type religious structure with specifications such as a 1200 seat sanctuary, 450 seat banquet hall, a commercial kitchen in the basement, various offices and retail spaces, first floor residence for visiting scholars, 14 classrooms on the 2nd floor, and 140 new parking stalls. One of our MEP.FP solutions includes designing a specialized emergency generator system to handle the power-load for the entirety of the structure.

PROJECT SPECIFICATION

PARTNER: a+c architects

SERVICE PROVIDED: MEP.FP

AREA: 65, 000 SF

YEAR: 2019



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Stein Center for Advanced Dentistry, 2023



One O'Hare, 9th Floor, Reyes Group, 2022



One O'Hare, 12th Floor, Reyes-Fernwood, 2023

“

Their team demonstrates a deep technical expertise and a commitment to delivering on their promises. They consistently deliver innovative and efficient MEP solutions that align with our vision and budget.

”

TESTIMONIAL

RAFFI ARZOUMANIAN, AIA, LEED AP, NCARB

PRINCIPAL
a+c architects

We are DesignTeq and we help build dreams!



Eduardo Sanchez, P.E.
Founding Principal

Eduardo employs a hands-on approach involvement to every project from conception through completion.

Eduardo is a building code and safety protocol specialist who has an extensive experience in the education, commercial, retail, healthcare, industrial, and residential sector.



Neil Mantala, P.E.
Founding Principal

Neil advances engineering excellence in every project they handle through his seamless integration of MEP design as a whole.

Neil specializes in mechanical and plumbing engineering systems related to healthcare, commercial, educational, religious, hospitality, retail, and residential sector.



Chris Richter
Chief Strategy Officer

Chris joined DesignTeq bringing with him his 20 years+ of industry experience. His understanding of the industry ecology led him to develop various innovative ways in navigating work-based dynamics to guarantee a successful project.

Chris specializes in Education, Healthcare, Life Science and Pharmaceutical related projects.



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AFFILIATIONS

AIA (*American Institute of Architects*)

ASHRAE (*American Society of Heating, Refrigerating and Air-Conditioning Engineers*)

NFPA (*National Fire Protection Association*)

USGBC (*US Green Building Council*)

BOMA (*Building Owners and Managers Association*)



DesignTeq

**We are more than happy to take on your project.
Get in touch and let's build dreams together!**

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