

2025.26

BROCHURE

www.designteq.net

info@designteq.net

833 312 3837

HEALTHCARE



DesignTeq

MEP.FP ENGINEERING DESIGN SERVICE

We are Engineers and we provide solutions.



HEALTHCARE

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

We established a strong history in the Healthcare Sector and was quickly recognized for our expertise in complex medical facility MEP.FP design solutions, particularly our code compliance and specialized systems knowledge, beginning with the Loyola University Medical Center's Ambulatory Care Center project in 2019, the largest outpatient center for a teaching hospital in the Midwest and is located in Burr Ridge, Chicago.



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Objective

We aim to provide cutting-edge MEP.FP solutions that support patient care and medical advancements, with a long-term goal of becoming one of the leading MEP.FP engineering service provider in healthcare facility design.

Sector Specialization

We specialize in delivering code-compliant and innovative MEP.FP solutions for complex Healthcare Environments from Medical Gas Systems and Infection Control Ventilation to Isolated Power Systems.

Differentiators

- Deep understanding of healthcare codes.
- Expertise in medical gas systems.
- Focus on infection control.
- Commitment to patient safety.
- Advanced technology integration.



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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

Heating and Cooling System, Ventilation and Air Distribution System, Energy-Efficient HVAC System, and more.

SPECIALIZED DESIGN SERVICES

Medical Gas Systems, Operating Room HVAC, Cleanroom Design, Infection Control Ventilation, MRI Shielding, and more.



Electrical Engineering

GENERAL DESIGN SERVICES

Lighting Design, Power Distribution, Emergency Power Systems, Nurse Call Systems, Medical Equipment Power, and more.

SPECIALIZED DESIGN SERVICES

Medical Imaging Power, Patient Monitoring System, Isolated Power System, Code Compliance Verification, Telemedicine Infrastructure, and more.



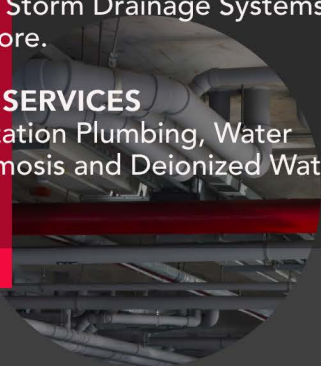
Plumbing Engineering

GENERAL DESIGN SERVICES

Medical Gas Piping, Domestic Water Systems, Sanitary Waste Systems; Storm Drainage Systems, Fixture Selection, and more.

SPECIALIZED DESIGN SERVICES

Vacuum Systems, Sterilization Plumbing, Water Purification, Reverse Osmosis and Deionized Water Systems, and more.



Fire Protection & Alarm System

GENERAL DESIGN SERVICES

Sprinkler Systems, Fire Alarm Systems, Emergency Lighting System, Smoke Detection, Egress Design, and more.

SPECIALIZED DESIGN SERVICES

Cleanroom Fire Suppression, Medical Gas Shut-Off, Mass Notification System, Phased-Evacuation Zoning, MRI Suites Fire Protection, and more.



LUMC Ambulatory Care Center



Loyola University Medical Center's Ambulatory Care Center is the largest outpatient center in the Midwest and is located in Burr Ridge, Chicago. As a teaching hospital, the center houses orthopedics, cancer care, neurology, cardiology, dermatology, and faculty physicians, in-house. DesignTeq was tasked with providing MEP engineering services for the shell and core along with MEP designs of several build-outs of space within the structure, including a power generator system serving the life-safety element of the building.

PROJECT SPECIFICATION

PARTNER: PROTEUS

SERVICE PROVIDED: MEP.FP

AREA: 105, 000 SF

YEAR: 2019



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Naperville Family Center, 2014



Loyola Medicine Imaging Center, 2025



Riverside Healthcare Frankfort Outpatient Center, 2016

“

Delivered on their promises, they understood the requirements for our space and were willing to assist all team members even if that meant going outside their scope. That builds confidence and trust!

”

TESTIMONIAL

ERNESTO BARRAZA, AIA

Healthcare Planning and Design Manager
Loyola Medicine

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 system 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.



HEALTHCARE

AFFILIATIONS

AIA (*American Institute of Architects*)

ASHÉ (*American Society for Health Care Engineering*)

NFPA (*National Fire Protection Association*)

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

IES (*Illuminating Engineering Society*)



DesignTeq

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

359 W. Erie St., Unit 803,
Chicago, Illinois, 60642

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