

2025.26

BROCHURE

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DesignTeq

EDUCATION

MEP.FP
ENGINEERING
DESIGN
SERVICE

We are Engineers and we provide solutions.



EDUCATION

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 entered the Education Sector back in 2020 through the Chicago Public Schools - Gwendolyn Brooks College Preparatory Academy project, located in the historic Pullman District, in Chicago's South Side. This project was in partnership with Senga Architects, providing MEP.FP services, and eventually led to us building a reputation for innovative and sustainable designs that support modern learning environments and research facilities.



DesignTeq

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Objective

We aim to create sustainable and adaptable MEP.FP systems for educational institutions and foster environments that enhances learning and innovation, with a goal of expanding our portfolio to national-level education projects.

Sector Specialization

We specializes in creating sustainable and adaptable MEP.FP systems that supports the evolving needs of educational facilities.

Differentiators

- Emphasis on sustainable design.
- Expertise in laboratory systems.
- Focus on creating flexible learning spaces.
- Integration of technology.
- Long-term value engineering.



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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, Laboratory Ventilation, Acoustical Design for Classrooms, Central Plant Design, and more.

SPECIALIZED DESIGN SERVICES

Specialized Exhaust Systems for Labs, Data Center Cooling, Humidity Control for Archives, Geothermal System, Acoustics for Performance Spaces, and more.



Electrical Engineering

GENERAL DESIGN SERVICES

Lighting Design, Power Distribution, Emergency Backup, Classroom Technology Integration, Stage Lighting, and more.

SPECIALIZED DESIGN SERVICES

Renewable Energy Integration, Smart Building System, Auditorium Lighting, Security Design, Low Voltage System, and more.



Plumbing Engineering

GENERAL DESIGN SERVICES

Domestic Water and/or Sanitary Waste System, Laboratory Plumbing, Chemical Waste System, Stormwater Management, and more.

SPECIALIZED DESIGN SERVICES

Water Reclamation System, Sustainable Plumbing Design, High-Purity Water, Acid Waste Neutralization, Laboratory Gas System, and more.



Fire Protection & Alarm System

GENERAL DESIGN SERVICES

Sprinkler and Fire Alarm System, Laboratory Fire Suppression, Emergency Evacuation, Code Compliance, and more.

SPECIALIZED DESIGN SERVICES

Historical Preservation Fire Safety, Special Hazard Fire Protection, Museum Fire Suppression, Large Assembly Space Design, and more.



CPS - Florence Nightangle

Florence Nightingale Elementary School, part of Chicago Public Schools, is located in the Gage Park neighbourhood and serves students from Pre-Kinder through 8th grades. The school is known for its warm and friendly atmosphere, highly trained staff, and supportive community, and is dedicated to fostering a positive and effective learning environment.

Construction starts in the summer of 2025 and we are excited to contribute to this critical enhancement to support a better learning environment.

PROJECT SPECIFICATION

PARTNER: Senga Architects

SERVICE PROVIDED: MEP.FP

AREA: 1, 500 SF

YEAR: 2025



EDUCATION



CPS - Southside Occupational Academy, 2024



CPS - Frank W. Reilly Elementary School, 2024



CPS - Ogden International School of Chicago, 2022

TESTIMONIAL

“

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!

”

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.



EDUCATION

AFFILIATIONS

AIA (*American Institute of Architects*)

ASHE (*American Society for Health Care Engineering*)

NFPA (*National Fire Protection Association*)

USGBC (*US Green Building Council*)

APPA (*Leadership in Educational Facilities*)



DesignTeq

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

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