

MEP Engineering Services

Healthcare Facilities

Hospitals
Surgery Centers
Laboratories
Pharmacies
Medical Offices
Clinics

Mechanical Engineering
Electrical Engineering
Plumbing Engineering
Process Piping Engineering
Integrated Technology Engineering

Healthcare facilities have some of the most stringent code requirements that absolutely need to be met for the facility's systems to reliably and continually support the medical staff in their service to their patients.

The care provided by the myriad of general and specialized medical operations is a combination of the skills and abilities of the resident staff, performing in concert with reliably engineered and designed systems that are silently working behind the walls, above the ceilings, and below the floors of these lifesaving facilities.

Plant Engineering Consultants embraces the challenge that health-care facilities can present. From a highly specialized purpose requiring unique power and services, to general purpose use requiring flexibility and high throughput, our proven teams of engineers meet and exceed client expectations.

OUR PROVEN PROCESS

Communication: This is throughout the process from initial contact to occupancy.

Collaboration: Working with the design team (Architect, Owner, Contractor, Engineering) to integrate intent, use concepts, reliability, maintenance, limitations, and restrictions, to achieve a cohesive, coordinated solution.

Commitment: Plant commits to every project we take on. We communicate and collaborate throughout the project. Dedicated teams work from start to finish.

Creativity: We enjoy the challenge - this is where we shine! We originate and suggest creative ways to meet the needs of the project.

Competence: Understanding the client's intent, construction norms, and the governing codes, our designs integrate the function with the form.



Bringing High Fidelity, Mission Critical, Engineering to Healthcare Facilities



NOTABLE RECENT PROJECTS

Penrose Hospital – Cancer Center Addition Including Linear Accelerator, Cardiac and Thoracic Surgery Suite, Vascular Center EP Lab and Cardiac Catheterization Lab

Audubon Medical Complex – Gastroenterology Facility, Surgery OR #7, Penrad Imaging CT Scanner, MRI & X-Ray

St. Thomas More Hospital – Extensive Remodel and Addition, Labor & Delivery Unit, Physical Therapy, Operating Rooms, ICU, Central Laboratory, Sterilization, Fitness Center

St. Francis Northcare – Women’s Surgical Center, Pre-Op, OR and Recovery Rooms, Admin and Surgical Office Space

Memorial Hospital Main Campus - CT Scanner, Cath Lab

Pikes Peak Regional Hospital - MRI, Fluoroscopy

Grandview Hospital - HVAC & Plumbing mods, USP 797 AHU/Filtration Study

MECHANICAL ENGINEERING

- HVAC Systems
- Central Plants
- Chilled and Heating Water Systems
- Steam Piping Systems
- Cooling Towers
- Exhaust & Ventilation Systems
- Clean Rooms
- Needlepoint Bipolar Ionization Systems

ELECTRICAL ENGINEERING

- Service & Distribution Systems
- Essential Electrical Systems
- Power Quality
- UV-C Lighting Systems
- Selective Coordination & Arc Flash Hazard Analyses
- Interior/Exterior Photometric Analyses
- Interior/Exterior Lighting Systems

INTEGRATED TECHNOLOGY ENGINEERING

- Nurse Call Systems
- Fire Alarm & Detection Systems
- Access Control Systems
- Video Surveillance Systems
- Audio/Video Systems
- General Communication Systems

PLUMBING/PROCESS PIPING ENGINEERING

- Domestic Hot & Cold Water Systems
- Sanitary & Venting Systems
- Medical Gas Systems
- Natural Gas Piping Systems
- Chemical Storage and Distribution
- Process Gases Storage and Distribution
- Acid Drain Systems

ADDITIONAL ENGINEERING CAPABILITIES

- LEED™ & Sustainable Engineering
- Energy Conservation Consulting
- Fundamental Energy Modeling
- Code Consulting
- Fundamental Commissioning
- Engineering Studies
- Facility As-Building
- Power Monitoring
- Circuit Tracing
- Bidding and Construction Phase Services

WHY PLANT ENGINEERING CONSULTANTS?

- Value and quality through character and competence.
- We’ve been engineering building systems since 1993!
- Your single source for full MEP engineering.
- Because communication and collaboration are key to high fidelity engineering.
- We are committed to creativity and competence as we complete challenging designs.

PLANT
ENGINEERING CONSULTANTS

320 West Fillmore Street
Colorado Springs, CO 80907
Phone: 719-473-7077
www.planteci.com