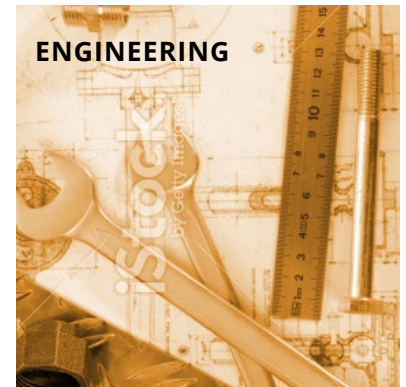


C1S Group.

Engineering Custom Solutions for Industry.



C1S Group, Inc. supports the commercial, manufacturing and industrial markets with mechanical, electrical and plumbing (MEP) engineering, design and consulting services. Our team of professional engineers has design experience on hundreds of projects both locally and across the country. On all of our projects, our engineers learn every critical detail about the customer's systems and facility operations. Using this information, C1S produces precise designs that fit seamlessly into the existing building infrastructure.

Our primary areas of expertise are mechanical, electrical, process piping and systems in existing industrial facilities serving the technology, medical, food and defense industries. With our deep knowledge of industrial environments, C1S understands the complex needs of our customers, enabling us to offer a variety of services beyond general MEP design.

Engineering Expertise.

C1S Group applies our problem solving skills in assessing each project individually to determine the specific solutions that will deliver the best results for our clients. Our engineering team works with clients from initial concept to creation of the design documents and into construction, all to ensure a smooth project execution. We also handle code compliance, construction documents, bid packages, and construction administration. Our goal is a seamless project execution that meets all the client's expectations.



C1S Service Offerings.

- Facility Programming and Assessments
- Solar Energy System Design
- Sustainable/Green Design
- Facility Systems Analysis
- Energy Modeling
- 3D System Modeling
- Building Airflow Diagramming and Analysis
- Facility Testing and Metering
- New and Existing Building Commissioning
- CGMP Documentation
- Owner Education
- Equipment Selection
- Infrastructure System Design

Design Expertise.

- Compressed Air Systems
- Lighting Retrofits
- Heat Recovery
- HVAC Upgrades
- Process System Improvement

Cleanroom Design.

The C1S Engineering Team has extensive experience in the design and construction of cleanrooms and critical facility environments, from ISO 3 (Class 1) to ISO 9 (Class 1 mill). Our Design Build teams work as a single unit to complete each project on time and within budget, delivering turnkey cleanrooms for any industry.

Electrical System Studies.

Arc Flash Studies: Identify the potential electrical hazards of working on or near live parts based on the NFPA 70E guidelines. Our team helps facility managers determine an Approach Boundary and associated hazard level for each piece of electrical equipment.

Short Circuit Studies: Single phase, three phase, or phase-to-phase electrical faults will interrupt a buildings entire operation. A short circuit evaluation identifies the appropriate ratings of the fuse or breaker. With our non-invasive studies, no facility shut down is required.



The C1S Formula.

Collaboration: C1S Group collaborates with facility owners to clearly understand the project goals and parameters. Our engineers strive for a complete knowledge of the inner workings of the facility.

Existing Facilities: C1S understands the unique design needs of industrial facilities in a variety of industries. We can even develop as-built drawings for existing buildings to help document current facility MEP/Process equipment and operations.

Sustainability: From obtaining LEED Certification to boosting an Energy Star rating, the C1S team understands all the latest energy reduction technologies. From replacing inefficient equipment to installing renewable energy systems, we can find the sustainable solution that is right for your business.



For more information on what C1S can do for you, contact us for a free consultation.

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