

**ENGINEERING
INSTALLATION SERVICES
PROJECT MANAGEMENT
FIELD SERVICE SUPPORT
COMPUTER ROOM DESIGN BUILD SERVICES**



The Total Solution

Our mission is to offer reliable, high performance, cost effective solutions. We support the solutions with the best personalized service in the industry, paving the way for a long standing business relationship with our customers.

Our company provides three product offerings: computer room design build services, computer room environmental support products, and 7x24 service and technical support for all aspects of the project and hardware. They all blend together to make us a unique total solutions provider.

Our expertise is based on many years of proven success in the procurement of power protection systems and computer room design build services along with, implementation services, site planning, project management and engineering. We also provide technical and service support for environmental support systems such as uninterruptible power systems, emergency generators, air conditioners, fire detection, suppression and pre action systems, security, access flooring, monitoring, etc.



CSI and its business associates provide a unique blend of technical resources and product offerings, which will benefit companies in need of electrical power related solutions and or design and procurement of high technology environments such as data centers, server rooms, telecom rooms etc. The team approach to addressing your needs reduces customer risks and liabilities, ensuring the highest level of technical performance, and minimizing the overall cost of the final solution.

Our involvement does not stop there. Our business approach is to offer complete turnkey solutions so when your equipment and environmental systems are completely installed, we provide comprehensive 7X24 service and technical support.

Throughout our total solution Approach, CSI shoulders the responsibility and accountability for taking the high technology facility from concept to completion.

We are committed to utilizing our full range of resources to ensure a long term relationship with our most important asset, "our customer."

Delivering the Computer Facility

CSI provides a single point of contact for your entire project.

Engineering Design and Construction of computer and data management environments require highly specialized skills and experience. Our expertise spans every aspect of the facility:

- Engineering
- Project Management
- Facility Planning
- Uninterruptible Power Systems
- Emergency Power Backup (Generator)
- Power Distribution Units
- Computer Room Air Conditioning
- Surge Suppression
- Fire Detection and Suppression System
- Pre Action Sprinkler Systems
- Security Systems
- Access Flooring for Computer Rooms
- Moisture Control and Detection
- Static Electricity Control
- Pressurization Dust Control
- Remote Monitoring of Critical Parameters
- Maintenance Agreements
- Comprehensive Warranty
- Total Service Coverage on all hardware supplied



Highly Specialized Teams

All projects are managed by competent engineering personnel from start to finish. The members of our team are fully qualified to collaborate with all other disciplines, utilities, and inspection authorities on your behalf. From the outset, we ask the right questions, listen carefully, and make a point of understanding your needs. Then we assemble a dynamic, solutions-oriented team with the specific knowledge, skills, and experience required for your project. CSI has developed the resources and relationships that ensure quality, reliability and desired results.

Installation Services

Our installation service ensures that all technical requirements are considered and implemented before the hardware is commissioned for operation. The installation will require expertise with different aspects of the environment such as; electrical, mechanical, structural, and environmental. Experienced trade partners report directly to our project management team which ensures that control and manageability of the project is maintained. We have hardware installation experience with all the major brands and manufacturers.

Project Management

We ensure your interests are protected by properly managing the project from start to finish.

- Prepare detailed construction schedules of all activities by trade.
- Maintain close communication with customers, building management, suppliers, trades and engineering.
- Effectively communicate project progress with customer.
- Monitor quality of work being performed at site, and ensure expectations are achieved.
- Provide instruction to the trades including recommendations for changes to the design to suit site conditions.
- Evaluate costs of changes and furnish supplementary drawings and specifications.
- Ensure communication between various parties involved in the project.
- Represent and protect the owner's interests in a fair and equitable manner.



Field Service Support

CSI is committed to a high standard of service support.

CSI provides comprehensive maintenance and repair solutions for equipment supporting mission critical/life critical systems. We provide a high level of service support and expertise for:

- Uninterruptible Power Systems (UPS)
- Batteries
- Engine Generators
- Precision Environmental Air Conditioners
- HVAC
- Power Distribution
- Switch Gear
- Fire Detection and Suppression Systems
- Site Monitoring Equipment

We can also provide:

- Customized Maintenance Plans
- Emergency On-Site Fast Response
- Scheduled Preventative Maintenance
- Extended 24-Hour, 365-Day Coverage
- Battery Maintenance
- Extended Warranty Coverage
- Engineering Services
- Toll-Free 24-Hour Service Response



Design Build Services

If your company is in need of a new data processing facility, server room, or is considering expanding or relocating an existing infrastructure, CSI Power and Environmental Inc. (CSI) can offer you a total solution with a single point of contact.

The CSI team working for you has completed more than 400 planning, design and construction projects ranging in size from 100 to 30,000 sq. ft. CSI specializes in turnkey projects offering a complete solution from start to finish - engineering, sales, service, installation and technical support. This one source responsibility provides your company with a maximum level of quality control, hardware performance, lower technical risks and lower cost of ownership. If you choose, CSI can also work with the developers and the architects as part of your team. All this means maximum availability for your mission critical systems. Restructuring can be costly, risky and time consuming. It also represents a high level of liability for the company or individuals responsible for the task. CSI makes the solution as easy as 1, 2, and 3.

STEP 1 - Decision Phase

CSI works with its client during the Decision Phase establishing key criteria, such as infrastructure and environmental implementation schedules. We will resource preferred suppliers and provide a cost estimate to create the facility. Beginning with a management overview analysis of the computer room environment, CSI reviews the client's needs in terms of available space, work flow, operations, equipment configuration, building services and future expansion plans.

Based on the objectives from the client's management overview, a conceptual plan is drafted. CSI provides the engineering analysis and cost budget estimates needed to decide what to build, when, where and why. The plan includes a conceptual design with a detailed room layout drawing.

STEP 2 - Design Phase

At the Design Phase, CSI translates the client's objectives and functional criteria into a fully integrated architectural, mechanical and electrical design package. CSI produces the construction level drawings, which are tailored for use in the turnkey construction project. Should the client wish, detailed drawings can be provided for use by others.

STEP 3 - Delivery Phase

The final step of a data centre project, the delivery phase, marks the beginning of construction, delivery and installation of all the electrical, mechanical, architectural and monitoring equipment. Responsibility for building the facility is handled by CSI as part of the turnkey project. CSI can also work as part of your team with a separate general contractor. The relationship between CSI and its client doesn't end upon completion of the construction phase. CSI provides training on the supplied equipment and as part of the turnkey solution, a 24 hour, 365-day on site service support with a one year warranty is provided for the complete turnkey solution.

Take the first step towards a reliable IT environment. Team up with CSI. We will conduct a Data Centre Facility Audit that will identify all major or minor deficiencies that pose a risk to your operations. Then, collectively, using our Conceptual Design process, we will map out your most effective route to a reliable and secure environment. We may even be able to bring your existing IT facility up to today's standards in a phased approach to fit within your budget.



Umbrella Service Programs

We will take full responsibility for all the computer environmental support systems in your facility. Once covered with the Umbrella Service Program a site service coordinator\specialist is assigned to your site and coordinates, and implements all preventative maintenance services. Our client is kept informed and consulted regarding any service activities implemented on the support systems. All of the field service reports are analyzed and summarized for recommendations and follow up plans.

CSI is unique in the industry as we can provide coverage for all of your computer environment support systems on a 24X7 basis. Our consolidated maintenance contracts ensure all of your systems are properly maintained which will increase their reliability and decrease the amount of downtime.

Our expert staff has the industry experience and technical knowledge necessary to ensure your maintenance programs are coordinated, optimized and effectively achieve your uptime requirements.



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