



BUILDING TRUST. DELIVERING VALUE.





A devotion to quality, innovative engineering and integrity of purpose is the heart of Collado Engineering

We invest the time and effort to get to know you, your project and your goals .



The Firm

ABOUT US

Collado Engineering is a consulting engineering firm based in White Plains, NY. Our Firm specializes in the design of mechanical and electrical systems for the built environment. Specifically, we advise clients on architectural engineering issues concerning heating, ventilating, air conditioning, water supply, drainage, fire suppression, detection and alarm, and power generation and distribution systems. We have provided consulting engineering services for a variety of project types, from highly specialized research and healthcare facilities to general commercial, educational, retail and residential projects.

OUR HISTORY

The firm was founded in 1999, as a reaction to the eroding quality of professional services and the resulting diminishing role of design professionals in the industry. We were convinced that, if we kept our promise to do good work, clients would afford us the opportunity. Our ability to adhere to the core values of the profession and consistently meet

our clients' needs made us a respected practice that could be counted on to follow through on project details. That much of our work comes from repeat clients and referrals from past clients is testimony to the quality of our work

OUR PHILOSOPHY

Creating value is the essence of a professional's role. To create value, the consultant must make a commitment to the client's goals and objectives. We invest the time to establish a complete understanding of the client's concerns and requirements. We view our role as an essential part of the project delivery system, not the only part. We believe in open collaboration with all project stakeholders and that the best results are achieved through a team effort. We feel strongly that increased participation by the design professional through the construction phase is the best way to ensure that the value achieved in the design phase is not lost in the implementation.

Individual commitment to a group effort is what makes a team work

I've seen a lot of good engineers do bad work; the firm has to cultivate the right culture and provide the right environment to allow each individual to perform at their highest possible level.

- Albert Collado

Our Team

COLLADO ENGINEERING STAFF

Our staff is empowered and encouraged to question all design solutions, regardless of where the proposal originates. We operate in a constant review-and-revise process, which is the true nature of design, and which results in the most responsive solution.

Contrary to the common segmented approach, by discipline, in the traditional training of young engineers, our engineers are taught to develop a holistic approach to design. We want them to understand, right at the beginning, that unless all needs are addressed, we haven't found the right solution.

Though no longer as fashionable as it once was, we are true believers in the Total Quality Management approach. We strive to ensure quality in each step of the process rather than superimposing it at the end.

COLLADO ENGINEERING PARTNERS

While we are very good at what we do, we are at times confronted with issues that extend beyond our core expertise. To that extent, we believe our clients are best served through our strong relationships with experts in other specialties, allowing us to deliver the best solutions for our clients.





PROJECT MANAGEMENT

Collado Engineering often works directly for end users, as the prime consultant, for clients that don't always have the in-house staff or the expertise to organize their project needs and monitor their progress. To ensure the success of these projects, Collado Engineering offers project management services that extend well beyond traditional engineering services during the construction administration phase of projects. If required, we can help create budgets, develop schedules, manage the procurement and construction phase, and deliver the project through commissioning and start-up. This allows for project continuity and implementation of the true design intent.

PROJECT MANAGEMENT

PRE-CONSTRUCTION PHASE

Work hand in hand with the clients to develop budgets, prepare milestone schedules and review project phasing. Additionally, we can manage the project bidding and procurement process. This involves the preparation of bid packages, solicitation of qualified contractors, review of proposals and price and contract negotiations.

CONSTRUCTION PHASE

Run project meetings, keep detailed progress and status reports, create and update project schedules and coordinate the trade contractors. We have detailed systems in place that allow us to track project submittals, shop drawings, certifications and test reports, as well as correspondence, RFI's and change orders. This allows our clients to monitor and control the construction process down to the last detail.

PROJECT CLOSEOUT

Track and create a thorough project punch-list and coordinate the trade contractors to complete any outstanding items. We assist with the coordination of equipment start-up, training and documentation.

Engineering Services

HVAC ENGINEERING

Collado Engineering provides state-of-the-art design of heating, ventilating and air conditioning systems, taking full advantage of computerized load calculations, energy modeling and computational fluid dynamics (CFD) modeling, as necessary, to optimize the system, and provide our clients with comfortable, energy efficient spaces. Our staff actively supports the American Society of Heating Refrigerating and Air Conditioning Engineering, and the Association of Energy Engineers.

PLUMBING AND SANITARY ENGINEERING

Nationally recognized expertise in the design of plumbing systems and for the support and promotion of the American Society of Plumbing Engineers. Collado Engineering brings a broad range of experience and unparalleled insight to the design of these systems.

FIRE PROTECTION AND LIFE SAFETY

Collado engineering provides an integrated approach to the design of fire detection, alarm and suppression systems, as well as smoke control, to achieve a coordinated approach to life safety and property protection.

ELECTRICAL ENGINEERING

With vast experience in the design of power generation, distribution, conditioning and transformation systems, our staff has the tools necessary to meet today's sophisticated electrical demands and efficiency requirements.

SPECIALIZED SERVICES

- Telecommunications
- Project Management
- Master Planning and Phasing
- Central Utilities
- Sustainability
- Value Engineering
- Security
- LEED Design
- Existing condition surveys
- Lighting
- Commissioning
- Emergency Power

Our staff is ready to listen and respond to your needs.

For us, it is about being a good partner, about bringing

our expertise to bear in achieving your goals.



CASE STUDY: BUILDING TRUST

Collado Engineering was retained to provide engineering services to renovate the lighting for the NYC Panorama, at the Queens Museum of Art. The existing electrical system was undocumented and the equipment was obsolete; the program called for a complete replacement and rewiring of the entire exhibit, consuming a great portion of the small budget available. The remaining funds were barely enough for the most basic lighting control system. CE convinced the project stake holders to invest some of the funds in tracing the existing distribution system. By tracing the existing circuitry, CE was able to reuse most of the existing power system, allowing funds earmarked for power circuiting to be diverted to a more sophisticated and flexible lighting control system.

Management Approach

MISSION STATEMENT

To do work of expert quality that creates value for our clients and benefits the broader society.

VISION STATEMENT

To be the firm of choice; the go-to firm. Recognized for our capacity to understand the project's requirements and the ability to uncover options that maximize value.

CORE VALUES

"Open your arms to change, but do not let go of your values."

--- Dalai Lama ---

"When your values are clear to you, making decisions becomes easier"

--- Roy Disney ---

At Collado Engineering we value:

- Integrity
- Honesty
- Curiosity
- Creativity
- Dependability

PROFESSIONAL JUDGEMENT

Professional judgment involves taking reasonable courses of action after, and only after, all necessary facts of the situation or problem have been discovered and carefully considered. It is with this knowledge that an engineer may choose the option that he or she sees as being the best fit.

Additionally, our decisions are based on ethical and logical reasoning, ensuring that our firm is providing definite value to both our clients and the end users of the project space.

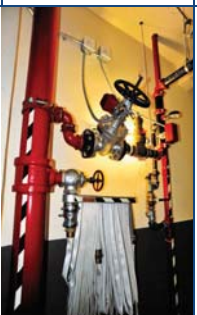
CODE OF ETHICS

"Credentialed professionals operate in a different relationship to society than other kinds of occupations. Professionals receive the privilege to practice in exchange for their commitment to serve society above monetary award. A kind of sacred trust resides in this exchange."

---Kyle V. Davy, Susan L. Harris ---

It is essential to our practice that our staff understands and protects the trust that clients and society place on the professionals. Understanding this relationship and using it as our guiding principal, allows us to be better advisors to our clients.

The town of Briarcliff Manor, NY had instructed Philips Electronics to replace the water line serving their office and research facility; an effort that would have involved over 800 feet of trenching and pipe replacement, as well as, the disruption of the processes within the facility. The water department claimed that the pipe had deteriorated and was the cause of Philips' poor water quality and low pressure. We were contacted to design the replacement of the water main; however, there seemed to be no tangible basis for the town's claim and we recommended conducting a flow test, to which Philips agreed. CE arranged and coordinated the testing of the water main, revealing that there was little pressure drop in that section of the system and that the problem was really outside of Philips' site and under the jurisdiction of the town's water department. We never got to design the water main, but the client avoided the cost of an unnecessary construction project and the interruption of their work flow.



Clients

OUR CLIENTS

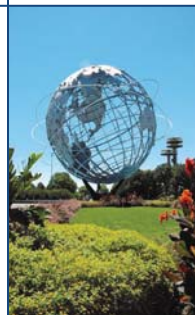
Collado Engineering has been fortunate to work for many clients that have allowed us to become an integral part of their organizations. This is a privileged position that affords us the unique opportunity to provide advice that is not only focused on the client's immediate needs but is also mindful of their broader objectives and requirements.

For each client and all projects, we look to establish a complete understanding of our client's concerns and requirements; only then are we in a position to bring real value to the client's team.

Collado Engineering has provided consulting engineering services for a variety of clients and project types. From highly specialized facilities for research, health care or data processing to commercial, educational, retail and residential projects. To each project, we bring the same approach and thoughtful consideration of the details.

MARKETS SERVED

- Corporate
- Correctional
- Educational
- Governmental / Agency
- Healthcare
- Hospitality
- Industrial
- Religious / Worship
- Residential
- Retail
- Sports and Entertainment
- Utilities / Infrastructure



Architectura

Brooklyn College

Church of the Heavenly Rest

Columbia University

Cornwall Hospital

College of Mt. Saint Vicent

CTA Architects

Dia Art Gallery

Equinox Fitness

Fisher Brothers

FxFowle

Hunter College

Intrepid Sea Air and Space Museum

New York Public Library

N A Philips Coporation

NYC Parks Department

NYU Medical Center

Queens Museum of Art

Skidmore Owings & Merrill

Sound Shore Medical Center

Stonehill & Taylor

State University of New York

Trevor Day School

U.S. Department of Labor

Westchester Reform Temple

Yale Club of NYC



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VISIT US ON THE WEB

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WORKING WITH US ON YOUR NEXT PROJECT

Collado Engineering would greatly appreciate the opportunity to work with you on your next project. While we are a regional firm, with the majority of our commissions coming from projects in the tri-state area, we have successfully completed projects throughout the US and abroad. Our firm has the expertise and experience to make your next project a success. Please feel free to contact us and see how Collado Engineering can make a difference for you.

