

# C.T. Male Associates

Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C.



EXPERIENCE ■ EXPERTISE ■ EXCELLENCE  
[CTMALE.COM](http://CTMALE.COM)



# Introduction

C.T. Male Associates Engineering, Surveying, Architecture, Landscape Architecture & Geology, D.P.C. (C.T. Male), is a multi-discipline firm serving clients throughout the northeastern United States. Home to a multitude of professionals serving both the built environment and the conservation community, we offer Civil Engineering, Environmental Services, Surveying, Land Services, Architecture, Energy & Building Systems Services & Electrical Engineering.

Our reputation for excellence dates back to 1910, when the company was founded by Charles T. Male, an engineering undergraduate at Union College in Schenectady, New York.

For over a century, the firm has forged long-term relationships with a diversified mix of public and private clients in the municipal, state, federal, commercial and industrial markets - building a portfolio of signature projects.

At C.T. Male, we are client-driven, solution-oriented and project focused. We are committed to delivering projects that succeed in achieving our clients' goals and objectives. Our staff remains on the leading edge of technical and regulatory changes, allowing us to offer the most innovative solutions and comprehensive service packages in today's competitive market.

# Civil Engineering

## WATER, WASTEWATER & STORMWATER

When assessing and improving the vital infrastructure in your community you need an experienced team on your side. Our design engineers can find innovative and cost effective solutions to even the most challenging projects.

## GEOTECHNICAL / STRUCTURAL ENGINEERING

Every project starts with a strong foundation. Our Geotechnical and Structural Engineers have the expertise to design your project from the ground up.

## GRANT WRITING & FUNDING ASSISTANCE

Improvements can be expensive. Our team excels at locating funding sources, securing funds and bringing your projects to fruition.



# Environmental Services

## INVESTIGATION

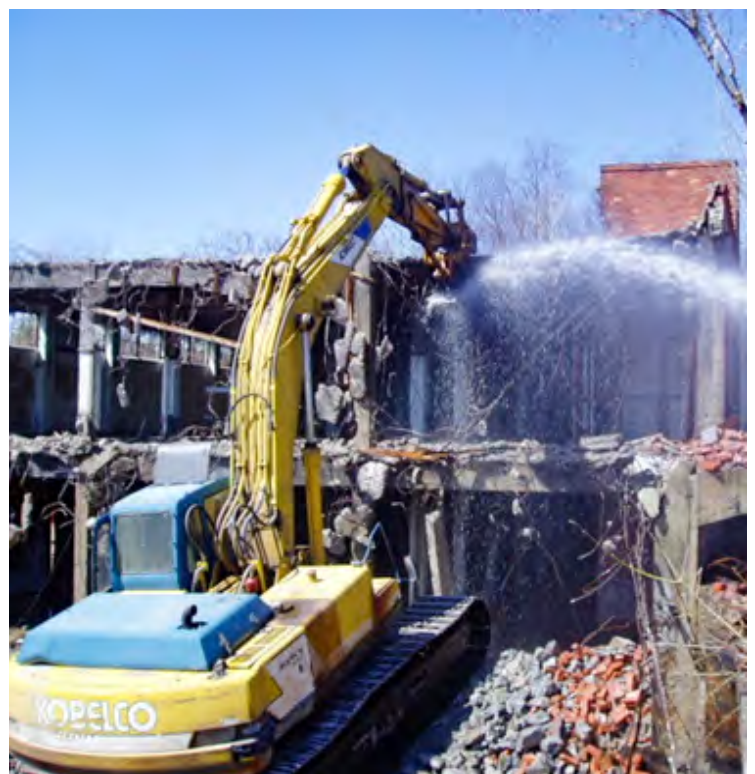
Unexpected discoveries during remediation or construction cost time and money. Get the information you need upfront by hiring our experienced staff to conduct a comprehensive investigation that is cognizant of complex regulations and the end use of the property.

## DESIGN

Caring for the environment is vital to what we do and as such, we encourage our clients to design projects that are considerate of air, water, land, flora and fauna. Our interdisciplinary approach to design allows our clients to build projects that are sustainable into the future.

## REMEDIATION

Excellence = Leading edge sampling techniques, decades of practical experience, solid regulatory relationships and licensed professionals dedicated to the conservation of natural resources.



# Survey Services

## LAND SURVEYS

Land surveying applies the fields of mathematics, history and law to real property. Our team of surveyors collectively has hundreds of years of experience in preparing land surveys such as boundary, topographic and easement surveys.

## UTILITY & INFRASTRUCTURE SURVEYS

Reliable survey data is essential to the design and construction of any utility or building project. Whether your project is small or a multimillion dollar investment, trust the expertise of C.T. Male to document the existing conditions, perform construction stakeout and prepare record surveys.

## ADVANCED SURVEY TECHNOLOGIES

The surveying profession has undergone many changes since our founder, Charles T. Male, did his first survey in 1910. C.T. Male utilizes today's advanced technology, such as Unmanned Aerial Vehicles (UAV's), High Definition Laser Scanners, Robotic Survey Instruments and GPS to perform many types of specialized surveys.





## Land Services

### COMMERCIAL & RESIDENTIAL DEVELOPMENT

Executing a land development project requires a team of design professionals experienced in navigating clients through the municipal and state review process.

### LANDSCAPE ARCHITECTURE

Landscape Architecture is the art of designing the environment around us. Whether your project is a municipal park, educational campus, streetscape, pedestrian and bicycle trail or a comprehensive plan, our team of experienced Landscape Architects brings energy, creativity and success to your project.

### LAND PLANNING

Land use planning is a diverse type of service for municipalities to establish a methodical process for developing land and using resources within their boundaries including water, roads, infrastructure, parks and open spaces.



## Architecture

### CODE COMPLIANCE

The expertise that comes with numerous accreditations and certifications confirms that your project is designed in accordance with the latest local, state and federal codes.

### ESSENTIAL FACILITIES DESIGN

C.T. Male's team of architects has the experience and vision to maximize your construction budget and facilitate the entire design and construction process.

### EXPANSIONS, RENOVATIONS & ADAPTIVE REUSE

Building new isn't always the answer. Our goal of excellence is to provide award winning design that comes from a thorough review of options which often times results in adaptive reuse of existing facilities.



# Energy & Building Systems Services

## ENERGY ANALYSIS

It is important to understand the energy use in your facility. Let our experienced energy team analyze your facility, recommend cost saving improvements and optimize your energy performance.

## BUILDING ENERGY MODELING

Detailed energy modeling of facilities provides owners and managers with comparative information to make informed business decisions and sustainable operational improvements. Energy modeling determines metrics to target capital improvements aimed at reducing energy consumption. Our team can effectively model equipment and operational strategies for any size facility.

## MECHANICAL ENGINEERING

Mechanical systems in your building are critical components to the operation of your structure. Our mechanical engineers deal with anything that moves: including solid and fluid mechanics, thermodynamics, heat transfer, control, instrumentation, design and manufacturing to help your mechanical system run efficiently.



# Electrical Engineering

## SOLAR SERVICES

Renewable energy provides a cleaner, more sustainable power source. From due diligence through construction, C.T. Male has an experienced team that can provide the necessary services in-house.

## POWER SYSTEMS DESIGN

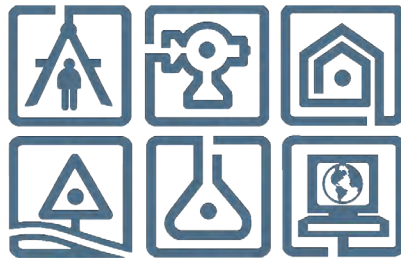
Technology, performance and cost are an important component of every power system design. Our expertise lies in the ability to design a power system that is an integrated unit or an isolated component.

## POWER STUDIES

**Short Circuit / Arc Flash / Overcurrent**

Electrical safety and compliance are of the utmost importance, therefore a proactive strategy is necessary. Turn to our electrical engineers for assistance in navigating all of the requirements of the latest safety and compliance standards.





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## HEADQUARTERS

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## NEW YORK STATE OFFICES

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