

A Wealth of Experience



ADTEK Engineers, Inc.

Our Promise is in Our People

for more information

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Civil Engineering | Structural Engineering | Specialty Engineering | Landscape Architecture



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Firm Overview

ADTEK Engineers Inc. (ADTEK)—founded in 1987—has more than 60 engineering professionals with offices located in Fairfax-VA, Beltsville-MD, Frederick-MD and Hockessin-DE. ADTEK provides broad-spectrum civil engineering services, structural base building design, and steel detailing (including cold-formed steel detailing) to its private and public clients across the Mid-Atlantic region of the East Coast. ADTEK's promise is in its people. ADTEK's organizational structure is designed around a team approach; currently ADTEK has eight design teams. Each team is led by a senior engineer and is comprised of staff engineers and CADD technicians. ADTEK's senior engineers have, on average, more than 20 years of experience in both new and renovation designs and they remain committed to their continuous education on new design innovations and technologies.



Services



Civil Engineering—ADTEK's studies and design solutions are achieved efficiently and cohesively through the collaboration of in-house project teams and include expertise in site/civil engineering. An extensive portfolio of quality projects has been assembled through rigorous attention to clients' scheduling and budgetary requirements, familiarity with jurisdictional regulations, a commitment to developing value-engineered plans, applying multidiscipline expertise, and consistent and experienced project management and staffing. We have extensive experience in the design and rehabilitation of streets, roadways parking lots and airport pavements. We are also experienced at dealing with a myriad of utilities that are involved in these projects including sewer, water, electric, gas, cable TV, and communications that utilize both hard wired and fiber optic systems.

Structural Engineering—ADTEK utilizes both steel and concrete structural systems for the design of mid-rise and high-rise buildings. Final system selection depends upon a number of critical elements, including: the base spacing of columns, fire-proofing requirements, floor to floor heights, floor loading requirements (which depend upon the intended use of the building), soil bearing characteristics, and current materials cost. ADTEK is pleased to prepare schematic design presentations in an effort to identify for the architectural design team and the owner the most efficient and cost effective structural system.

ADTEK has a wealth of experience in designs for the following:

- New and Renovation Building Design
- Waterfront and Miscellaneous Structure Design
- Engineering Consultation and Construction Contract Administration
- Existing Building Evaluations and Assessments and Pre-engineered Metal Building Foundation

Cold-Formed Structural Framing Design Services aka: Light Gauge Steel Engineering—ADTEK Engineers has extensive experience in the design of cold-formed/light gauge steel. Since 1992, ADTEK has provided light gauge steel design for contractors, architects and owners on more than 100 million square feet of building designs in 36 states. Today, ADTEK is one of the foremost designers of cold-formed steel framing within the United States. ADTEK's senior cold-formed staff members are active nationally in organizations (Steel Framing Alliance, and the American Iron & Steel Institute) that write the design specifications and standards that govern cold-formed steel framing. ADTEK has developed an efficient approach to cold-formed steel structural framing and the interpretation of the contract documents.

Steel Detailing—ADTEK's knowledgeable staff includes detailers who specialize in the creation of steel fabrication drawings from the project architectural and structural drawings.

Using state-of-the-art technology, our detailers translate the architect and engineer design's into highly accurate and organized shop details and field erection plans to provide you with a reliable and cost effective fabrication and erection solution.

Landscape Architecture—ADTEK has the qualifications and experienced staff in landscape architecture, land use planning, master plan development, jurisdictional regulations, and natural resource planning. Whether planning a rooftop garden to make the most of limited outdoor space, or helping a client plan a campus that fits their culture, our landscape architects use a collaborative design process that give the user a voice in the planning process. Our designers learn about what makes a site special to the client, how they will use it and how it can be planned for long-term sustainability. We focus on creative and resourceful solutions to the complex issues confronting design projects. The designs that result from this process are successful within demanding time and budget constraints.