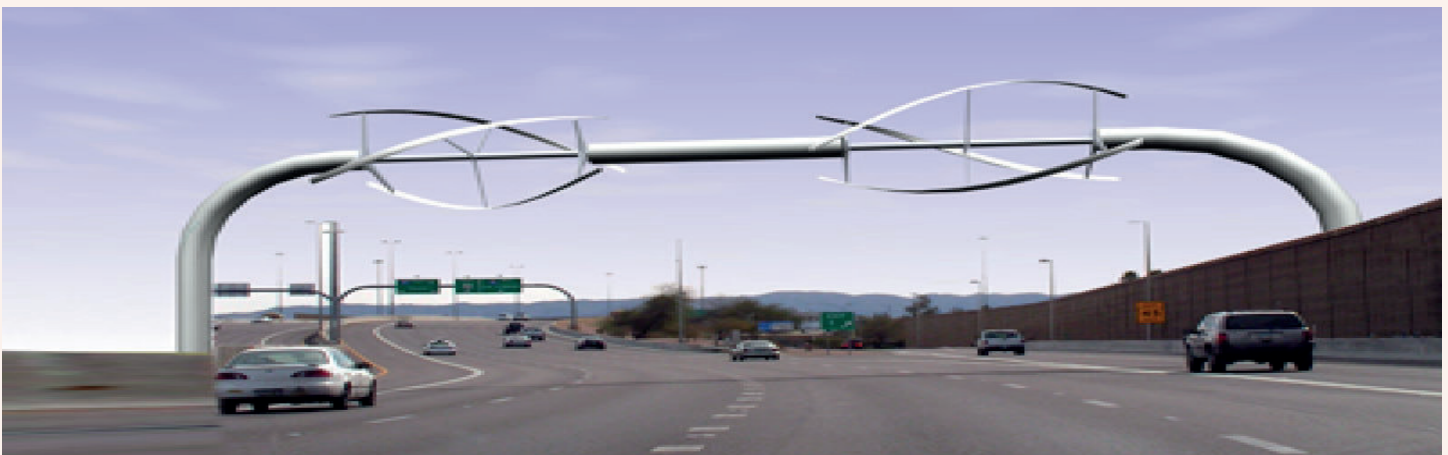


Energy From Moving Traffic



Today a lot of research work is being done on alternative sources of energy. In 2021 Istanbul University designed and installed wind turbines in the streets of Istanbul to generate electricity from moving traffic. This is done by placing rotating turbines that can rotate from the wind generated by the traffic on the streets. This device is installed and tested on the streets of Istanbul turkey. This is system is known as ENLIL. Istanbul University collaborated with the company, Devecitech to produce this system.

This idea of generating traffic from passing vehicles was developed by an entrepreneur Kerem from Istabul. Kerem noticed during a journey on Istanbul's Metrobus network that the vehicle he was travelling on was susceptible to wind influences.

Wind turbines are generally placed in large open areas and requires a constant flow of wind to operate. In many countries this constant flow of wind is seasonal. Operating the turbine from the wind generated from traffic will be consistent as long as the traffic flow is consistent. On the days where there is less traffic a solar panel is also placed as a backup Each of this system can generate enough energy for about two households.

This device along with the wind turbines, several other sensors are also placed in this device. These sensors will measure CO2 emissions earthquake intensity, wind strength and direction

This is still in the testing phase. Once the testing phase is comple will be released to the market



Career paths for engineers

As one of the oldest engineering disciplines, civil engineering is responsible for maintaining society's infrastructure. Civil engineers ensure safe construction, operation and maintenance of structures, such as roads, bridges, buildings and dams. Due to the importance of their duties, civil engineering has particular educational and skill requirements. This guide will explain in detail what it takes to become an engineer, what civil engineering degrees are available and what prospective students can expect when getting a civil engineering degree.

What is the job of a civil engineer?

Working with both natural and built environments, civil engineers are responsible for designing and implementing plans for myriad structures and roadways used by billions of people across the world. Frequently working in tandem with architects, city planners and landscape designers, these creative professionals are responsible for countless aspects of everyday life. It would be difficult to imagine any scene where a civil engineer had not been at work: they design schools, help city traffic flow better, craft structures to hold priceless treasures and devise iconic monuments recognized the world over.

Salaries for civil engineers

Regardless of the specific area where civil engineers choose to work, the field is brimming with opportunities and well-paid positions. The careers below represent some of the paths a civil engineer may take; while the salaries given herein represent the middle 50 percent of earners, those at the top of their game in the top 10th percentile make even more. In general a civil engineer will get a salary of 82,000 USD per year and senior engineers can get a salary of 85,000 USD in the countries like USA, UK, Australia, and Canada.



Steps in becoming a civil engineer

Obtaining a Bachelors degree is the first step in becoming a civil engineer. Bachelor's degrees in civil engineering are commonly offered, and serve as the base level of education required to begin working.

Within these programs, students undertake a variety of courses in math, engineering, statistics, fluid dynamics, and architectural design. They learn through a variety of mediums, including class lectures, internships or co-ops, and onsite field work.

Complete an internship

Almost all programs mandate at least one semester or summer-long internship to satisfy degree requirements. Students use these experiences to apply theories they've studied in the classroom, learn practical skills, and gain insight on a particular area of the field they may be interested in pursuing. These opportunities also serve students well for future employment, allowing them to network with other professionals, receive mentorship from an established civil engineer, and possibly leverage their experience into a job after graduation. The majority of internships are completed in the junior or senior year of study.



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