

We keep you moving

Meet our selection of engineers working in transport and explore where a career in engineering could take you:



James Ambrose

Job: Railway engineer

Employer: Network Rail

What I do all day: I invented a totally new kind of train powered by batteries. It's a lot more environmentally friendly than regular diesel trains.

In future, engineers like me...Will invent better planes, trains and cars to get you from city to city without polluting the planet.



Ryan Chin

Job: Urban engineer

Employer: Massachusetts Institute of Technology

What I do all day: I design cars for future cities. My latest creation is an electric car that folds up and drives itself. Just hop in and go!

Perk of the work: I get to work with a team of super-smart people.

In future, engineers like me...Will deploy self-driving electric vehicles that people can share to get around cities easily, without polluting the air.

Find out if this is the car of the future

(Image credit: City Science Initiative, MIT Media Lab)



Aimi Elias

Job: Civil engineer

Employer: Transport for London

What I do all day: I am upgrading our Victorian underground stations, and designing shiny new ones.

In future, engineers like me...Will design new stations and underground lines to get people around cities faster than ever before.



Teena Gade

Job: Vehicle science engineer

Employer: Force India Formula One

What I do all day: I build virtual reality simulators to test race cars. We test everything, from the car's aerodynamics and tyres, to the driver's skills behind the wheel.

Perk of the work: I get to work with the world's fastest cars, and I even get to drive them... but only in the virtual world!

In future, engineers like me...Will work with engineers and race car drivers to keep pushing the limits of speed.

(Image credit: Damian Harty)



Charlotte Mace

Job: Civil engineer

Employer: Network Rail

What I do all day: I work on designing futuristic train stations with floors that generate electricity from people's footsteps, powering the station, and trains that drive themselves.

In future, engineers like me...will help people get around the country quickly and easily with new stations and fast trains, protecting the environment by getting people out of their cars.



Emma Wilding

Job: Apprentice vehicle safety engineer

Employer: Jaguar Land Rover

What I do all day: I plan and carry out crash tests to make new car designs safer.

Perk of the work: I crash cars for a living!

In future, engineers like me...will test smarter cars with sensors that detect possible obstacles and automatically brake or steer you clear, stopping car accidents before they happen.

Curious about a career in crash testing? Take a look at some crash test videos

(Image credit: Stewart Writtle)