

Save lives as an engineer

ENGINEERS FIND AND RESCUE PEOPLE

Using equipment such as telescopic lenses, drones and radar devices that detect victims' heartbeats, as well as cockroaches fitted with microphones, which can detect sounds coming from underneath rubble.

ENGINEERS HELP PEOPLE SURVIVE

Providing immediate shelter and transport networks and getting emergency water and sanitation services working, helping to prevent disease outbreaks.

ENGINEERS GET THINGS UP AND RUNNING

Restoring electricity and communications, critical for providing humanitarian relief in affected areas.

ENGINEERS HELP PEOPLE REBUILD THEIR LIVES

Designing and making artificial limbs, wheelchairs and other devices to help people who have suffered serious injuries.

Training local people in building, farming and other skilled jobs, when there is a shortage in disaster-struck areas.

ENGINEERS REDUCE THE IMPACT OF FUTURE DISASTERS

Improving warning and detection systems for tsunamis, volcanoes, earthquakes, typhoons and other natural disasters.

Creating apps to better co-ordinate the distribution of resources and relief.

Designing and using materials that can perform better in extreme conditions.

Use maths, science, design and technology to help engineer a better future.



Real life engineers working in disaster relief

Alice Bond, (MEng), Structural Engineer, Ramboll (Typhoon Haiyan, Philippines, 2013)



Joshua Macabuag (CEng), Search & Rescue Engineer, SARAID (Nepal Earthquake, 2015).

Find out more at tomorrowseengineers.org.uk/savelives

Nepal earthquake aftermath, 2015.
Will Oliver, EPA

