

Improved incident response times



Mobile data terminals in fire appliances use the GPS signal to formulate the fastest route to the location of an incident. The MDT also updates the status screens in the command and control centre so that its location is always known.

THE CHALLENGE

When vehicles are under cover, the GPS signal can't penetrate the building structure, which means that:

- On-board MDTs and satnav devices no longer receive positioning data
- The MDT continues to indicate its location to the command and control centre, but this is now 'stale' data
- When an appliance exits the building, there can be a long delay (up to 6 or 7 minutes) until the MDT (and/or satnav) reacquires a GPS fix
- During the acquisition delay the vehicle's reported location will be derived from where it last received a live signal - just before it entered the fire station



THE SOLUTION

A GPS repeater in a fire station provides a reliable and continuous GPS signal to MDT and satnav devices.

Live GPS signal inside the station provides three main benefits:

- Firefighters can calculate a route to an incident whilst still inside the building
- There is no loss of GPS lock whilst undercover so there is ZERO ACQUISITION DELAY upon exit
- Command and control centres always receive up-to-date location information

This contributes to improved incident response times and gives firefighters confidence in their navigation systems.

Since forming in 2012, FalTech Ltd has supplied and fitted GPS repeater systems in more than 300 fire stations all over the UK.



GPS REPEATER KITS

A GPS repeater brings the outdoor signal inside the fire station. It is usually supplied as part of a kit that comes with all you need for a successful installation.

The system can be self-installed by local technicians, or by FalTech's professional installation partner company. Repeaters to support GPS L1 and GPS L1/GLONASS/Galileo are available.

