



Use Case - Site Equipment

Cellular connectivity can transform construction site equipment into smart, connected assets. By integrating drones, survey equipment, solar lighting, and SMART generators with cellular connectivity, construction companies can achieve real-time monitoring, proactive maintenance, and data-driven decision-making for improved efficiency and sustainability.



How can Cellhire's cellular connectivity be used for site equipment connectivity?

✦ Drones

Drones equipped with cameras and sensors are deployed for aerial surveys, progress monitoring, and site inspections. Cellular connectivity allows for real-time data transmission from drones to a central monitoring system, enabling construction managers to access live feeds, analyse survey data, and make informed decisions remotely.

✦ SMART generators

SMART generators equipped with cellular sensors are employed to provide on-site power, adjusting their output based on energy demand and fuel consumption. Cellular connectivity enables remote monitoring of generator performance, fuel levels and maintenance needs, allowing for proactive management and reducing downtime.

✦ Survey equipment

High-precision survey equipment, including total stations and GNSS receivers are utilised for accurate land surveys and construction layouts. Cellular connectivity enables the continuous transmission of survey data to a centralised platform, providing real-time updates on topography and construction progress.

✦ Solar lighting

Solar-powered lighting systems are deployed to enhance visibility and safety during night shifts or in areas with limited access to grid power. Cellular connectivity allows for remote monitoring and control of solar lighting, enabling construction managers to adjust lighting schedules, brightness levels and detect potential malfunctions in real-time.

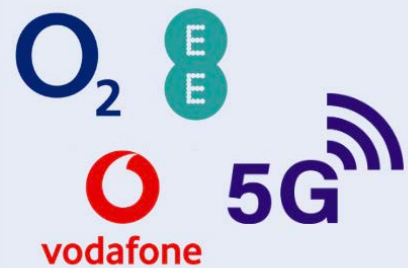
What are the benefits of utilising cellular connectivity for site equipment connectivity?



- ◆ Real-time monitoring and decision-making
- ◆ Improved energy consumption
- ◆ Efficient surveying and construction layout
- ◆ Remote lighting control
- ◆ Proactive maintenance

Why choose Cellhire for your construction connectivity requirements?

- ◆ Access to the leading 3 UK networks
- ◆ Unsteered solutions to maximise continuous connectivity
- ◆ Customised solutions for construction
- ◆ Un-steered multi-network SIMs for seamless connectivity
- ◆ eSIM capabilities for flexibility and control
- ◆ 4G and 5G options for high-speed data transmission
- ◆ Primary and backup options for continuous functionality



Download our white paper to understand how cellular connectivity for construction could benefit you.

5 minute read

[Download](#)

Get in touch with a Cellhire connectivity expert to find out more:

 **Visit:** cellhire.co.uk/iot-connectivity/applications/construction

 **Email:** iot@cellhire.com

