

# Nokia Unveils 4G Network in a Backpack



Nokia has unveiled a light and ultra-compact 4G network, based on a small cell, that will allow secure mobile broadband connectivity in minutes for mission-critical and business-critical services. The network can provide voice, video and data services in emergency situations, remote locations and events, and act as a hotspot for public safety organisations, industries and operators.

Having pioneered the development of low-footprint networking technology with its Network in a Box last year, Nokia has taken the concept of creating rapidly deployable networks further with its Ultra Compact Network. Based on small cells technology, it provides secure indoor and outdoor 4G coverage wherever it is deployed with a range of 75km for up to 400 users. In remote, underserved areas it can provide capacity and coverage, and can

utilise cable, satellite or microwave technologies for backhaul to extend an operator's existing macro network.

## Vital connectivity

The Ultra Compact Network will allow first response units to utilise voice and video as well as other data-based services in emergency situations when mobile networks have been compromised. Where there is no road access it can be carried in a backpack, or elevated via a drone or weather balloon, providing vital connectivity for search and rescue missions or to help control disasters such as forest fires or floods over wide areas.

When deployed at remote industrial sites, such as mines, petrochemical plants and oil rigs, the Ultra Compact Network can provide business-critical communications, while mobile operators can use the technology to rapidly bridge network coverage gaps or provide temporary additional coverage and capacity in high-traffic locations and events such as outdoor music festivals.

Nokia will showcase the Ultra Compact Network at Critical Communications World in Hall 8, Rai, Amsterdam from May 31 to June 2. [Read more here.](#)

*Image courtesy: Nokia.*