



CUSTOMER CASE STUDY

Civil Nuclear Constabulary (CNC)
and Nuclear Decommissioning Authority (NDA)

SOLUTION: ESN TOTAL COVERAGE



BETTER FOR
BUSINESS



Griffin Park Tactical Training Centre

EE successfully deploys its first future proof solution that caters for both ESN and Airwave traffic at a live fire training centre.

EE is the Home Office's chosen provider of the Emergency Services Network, the new 4G voice and data network that is transforming the way Britain's Emergency Services operate. Working closely with the Civil Nuclear Constabulary (CNC) and the Nuclear Decommissioning Authority (NDA), EE has delivered a future proof solution at Griffin Park Tactical Training Centre; a £39m state of the art, multi-purpose nuclear training centre at Sellafield.

The challenge: bulletproof

The challenge was to provide a bespoke in-building solution to cater for existing emergency services communications and future proof to ensure a smooth transition into the ESN world.

Griffin Park is the most advanced and sophisticated firearms training facility in Europe. By providing access to both the ESN and Airwave network across a four-storey hub with

classrooms, live fire training areas, operational stores, offices and communal areas, EE is supporting the key facility that trains those who protect nuclear sites and materials in England, Scotland and Wales.

This building is the only one of its kind in the UK, featuring live fire capability and hosting all training facilities within one large building. The building uses ballistic (bulletproof) steel walls and special cladding to prevent bullets from ricocheting and leaving any of the three isolated firing zones. As this is a new building made from radio coverage-blocking materials, there was no incidental coverage. EE's solution had to be right first time as bulletproof walls, by their very nature, do not allow for the easy removal of wiring or cabling. EE had to implement an abrasion resistant solution, whilst maintaining the structural and ballistic integrity of this live firing range, to guarantee the protection of the facility, its users and EE's own equipment.

The solution: licence to build

As equipment enters the firing line at Griffin Park, the design, build and maintenance of the solution were of critical importance. EE proposed and delivered a passive Distributed Antenna System (DAS) that allows both ESN and Airwave access. As the building was in construction, the solution was designed 'off plan', using only the building plans to propose a solution that maximised coverage but prevented potential damage to the antennas.

The facility and the solution were built simultaneously between 2017 and 2019, covering approximately 8,400m² of building footprint and providing coverage for up to 2000 users.

The journey: mission possible

EE successfully navigated a complex triparty legal agreement with the NDA, who own and develop Griffin Park, and the CNC, who it is leased to. By working closely with the NDA and CNC, EE has contributed to the design and development of a flexible and safe training environment. In deploying a bespoke forward-thinking, future proof solution that caters for

both ESN and Airwave traffic, EE has helped deliver operational requirements to support the CNC's "Deter, Defend, Deny and Recover" mission.

The result: mission accomplished

This case study demonstrates EE's flexibility and ability to proactively facilitate and ensure the smooth transition away from Airwave to ESN.

EE continues to manage this relationship and solution end-to-end, reinforcing the benefits of working with EE throughout the entire project, from initial site survey right through to full deployment of ESN.

For more information, please visit [esn.co.uk](https://www.esn.co.uk), or contact ESN.Enquiries@ee.co.uk

