



Client	Scottish & Southern Electricity
Project & Location	Amersham 132kV
Duration	Start: May 2010 Completion: August 2020
Infrastructure Requirement	Network Reinforcement
Scope of Works	<ul style="list-style-type: none"> ▪ Turnkey solution ▪ TWD, civils & reinstatement ▪ OHL, steel tower, cable installation & jointing ▪ Testing ▪ Asset Enhancement

PROJECT OVERVIEW

A dual 132kV circuit overhead lines was required to be utilised as an alternate means of power supply for the nearby HS2 project as a temporary and permanent power supply solution. To facilitate this work, Instalcom were contracted to lay a new underground section of dual circuit 132kV ducting and cables back to Amersham Grid Primary Substation, from which new points of supply would be taken.

Instalcom provided SSEN with a complete turnkey solution which included; cable system design, supply of cables and accessories, fabrication and erection of two new steel towers gentries, civil works, cable installation and terminations onto the newly formed terminal towers. New cable Sealing-End Structures were required in Amersham Primary Substation. These were also subject to Instalcom's design, fabrication plus supply and erection including bases design and installation. The works also included the supply of the new fully ducted 132kV 1600mm² aluminium conductor / lead sheath underground cable.

The works were designed and installed by Instalcom to the standards required by the client.

DELIVERY & INNOVATION

- Instalcom appointed as Principal Contractor
- Instalcom developed full project design
- Instalcom adopted collaborative approach in working with SSEN and their other contractors appointed to the works
- Instalcom implemented safety behavioural programme initiative 'Mindset' & completed with COVID-19 working restrictions in place
- Works completed safely, on time and to budget ahead of the agreed date with SSEN

KEY CHALLENGES

- Programme & outage dates
- Interface with multiple stakeholders
- Vehicle access and egress
- Restricted plant movements
- Maintaining stakeholder access
- Protection of woodland environment
- Working at height
- Site conditions & logistics
- Out of hours security



AMERSHAM 132kV RECONFIGURATION

Instalcom Ltd

PROJECT KPIs

- Achieved ZERO harm
- No Environmental incidents
- Full compliance with Technical Specifications and high quality engineering
- Compliance with Programme milestone dates
- Proactive communications with stakeholders and third parties resulting in positive interactions and outcomes
- Exceeded Customer Care expectations
- Successful brand promotion of SSEN
- Common protocols embraced leading to enhanced Instalcom / SSEN relationship



CONTACT US

Want to know more about the Instalcom infrastructure service offering in the following sectors:-

- Power
- Water
- Telecoms
- Rail
- Gas
- Multi-Utilities
- Trenchless Installations

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