

HV CONTESTABLE CONNECTION

MAYNES COACHES, BUCKIE

CLIENT

ZENOBE

LOCATION

Buckie, Scotland

OVERVIEW

As part of an ongoing requirement for the use of renewable energy, Maynes Coaches has been expanding its fleet of vehicles with new EV buses. To support this objective, new battery charging facilities were needed at their main depot at Buckie.

Integrated Utility Services (IUS) were appointed to carry out the High Voltage (HV) connection works, including the supply and installation of the electrical apparatus within the substation.

SERVICES PROVIDED

- Engagement with selected IDNO to enable IUS to produce an approved design
- Supply and installation of an 11kV/433V 1MVA transformer and LV Air Circuit Breaker unit
- Supply and installation of an 11kV underground cable circuit from the Point of Connection to the intake substation, including interconnecting LV cables



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THE PROJECT

IUS is a framework service provider for Zenobe Energy. The framework agreement encompasses the design, supply and installation of the contestable element for new connections. This project involved a new HV connection to support '5No' dual electric vehicle charging units for the new fleet of EV buses for Maynes Coaches at Buckie, Morayshire. IUS engaged directly with the Distribution Network Operator (DNO) and the Independent (DNO) to complete the design requirements and approvals.

Prior to agreeing the cable route and installation of new equipment, active engagement was necessary with all relevant stakeholders. This included the DNO, IDNO, and Maynes Coaches. This allowed IUS to plan the optimum work sequence for the ground works, cable installation, jointing, and connection requirements, whilst maintaining full operational access for vehicle movement for Maynes Coaches.

Following design acceptance, IUS procured all materials, including the new 11kV/433V 1MVA transformer, HV Ring Main Unit (RMU), and cabling, all in compliance with the DNO and IDNO specifications and adoptable standards.

IUS aim to be your contractor of choice for the installation of new substations as an accredited ICP and also any associated privately owned High Voltage network as a turnkey solution.

IUS has the capability to design, procure, install, test & commission and energise electrical networks to the adoptable standards of the Distribution Network Operator (DNO) and Independent DNO.

