

Electricity Alliance Central



COMPLETED 2017
DURATION 10Y

RESPONSIBLE BUSINESS



Sectors

- Energy, Transmission, Electricity

Project profile

- Delivering major enhancements to the 132kV, 275kV and 400kV transmission substation network

Client

- National Grid

Stage

- Complete

Highlights

- Achievement of three years and three million man hours without any Lost Time Injuries

Project Description

The Electricity Alliance Central (EAC) is a consortium between Morgan Sindall Infrastructure, ABB and Atkins to deliver major enhancements to the UK's electricity transmission infrastructure.

Typical works include the design, construction and commissioning of 132kV, 275kV and 400kV substations and associated civil engineering infrastructure including low voltage mechanical and electrical elements. The schemes vary in complexity and scale and range from £10 million to £120 million in value.

Until April 2013 each scheme followed a 'cradle to grave' approach to delivery, which provided an opportunity for the project team to influence all schemes at the early stages of development, allowing for value engineering techniques to be effectively employed. Since April 2013 and OFGEM's introduction of the RIIO (Revenue = Incentives + Innovation + Outputs) framework, which sets price controls for network companies, the design development element of the project life cycle is now undertaken in house, with the Alliance focusing on the detailed design and delivery.

The initial Area Alliance Agreement was for five years with an option to extend for a further five. This option was awarded, and as such the contract ran until 2017.

Responsible business



Enhancing communities

Extensive training and development opportunities were provided for all directly employed members of the project team.



Improving the environment

The WRAP waste recycling protocol was adopted to allow extensive recycling of materials between schemes on the Alliance. In addition,

Location

- West Midlands
- North West
- Wales

Project key facts

Elements delivered as part of the Alliance include reinforced concrete foundations, fluid retaining structures, drainage including interceptors and dump tanks, substation roadways and lighting, equipment halls and electrified security fencing.

Project contact

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Contact

Related news

Golden Apple Award win

Local young professionals raise over £2,000 for Mind West Cumbria

Morgan Sindall Construction & Infrastructure contributes to parent company half year results

Related Links

Transmission

Energy

lime stabilisation was used at our Stoke Bardolph site to treat contaminated land in situ.

Challenges

- Meeting the RIIO (Revenue = Incentives + Innovation + Outputs) challenges introduced by OFGEM
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Partners

Baker Hicks ABB, Atkins
