



Power T&D turnkey substations

Interserve is delivering safe, high quality services in the power, transmission and distribution market, and is well placed to enhance our offering.

We have a wide range of services to provide our clients - from early advice to construction, operation and commissioning.

Having consultancy, design and construction services, through mechanical and electrical to high and low voltage maintenance, Interserve has everything you may require. As a client, you can remove risk and uncertainty by dealing with a single contractor - and Interserve offers that opportunity.

Our suitably qualified and experienced workforce are directly employed by us and committed to zero accident delivery.

For home or abroad we provide ConstructionSkills and IOSH accredited training services for our workforce and supply chain.

By focusing on delivering reduced carbon footprint projects, Interserve develops our people using leading edge training in SQEH and social awareness.

Our commitment is always to provide safe, reliable services that consistently deliver to our customers' requirements.

Capabilities

- Advice and consultancy
- Design
- Civil engineering
- GIS and transformer buildings
- Substructures, superstructures, pylons, cable tunnels, ducts and troughs
- Roads, security fencing, services
- HV cabling - overhead to 400Kv
- underground to 132Kv
- LV cabling
- Building services
- Testing and commissioning
- Refurbishments





Case studies

Siemens International Qatar

Since 2003 we have worked on 81 overseas substations for Siemens amounting to £328m, with largest contract value £142 million.

Through our joint venture company Gulf Contracting Co, established in 1996, we were recently awarded substation works under the Phase Nine project.

This included the establishment of new transmission substations as well as the refurbishment, modification, upgrade and replacement of existing transmission substations.

Our scope involved

- Design and construction on a turnkey basis of substation buildings housing a range of air and gas insulated switchgear (AIS/GIS) equipment
- 220Kv, 132Kv, 66Kv and 33Kv GIS
- 11Kv AIS/GIS
- 220/132Kv, 220/66Kv, 132/66Kv, 132/33Kv, 132/11Kv, 66/11Kv and 33/11Kv power transformers
- 11/0.415Kv station transformers
- guard house

Siemens UK Elstree 400KV GIS substation

Interserve undertook the £6 million preparatory works, demolition of existing tensioning posts, construction of buildings, roadways, tunnels, concrete slabs, drainage, fencing, ducts and associated works at the existing National Grid substation.

Siemens UK Sundon 132kV GIS substation

Our scope of works included:

- design - steelwork, cladding, domestic electrical works inside the building
- deep concrete pad foundations with cast in-situ holding down bolts
- steel framed building, cladding in composite steel panels
- low-level brick/block construction to the lower floors
- main floor for the GIS in composite concrete/metal deck construction
- electrical and mechanical, painting, joinery, shower rooms, kitchen, vinyl floor finishes, fire protection, high specification floor paint finishes
- external works - concrete roads and footpaths, steel palisade security fence around the whole site

Once the shell was constructed, Siemens installed their equipment on programme, whilst Interserve completed the remaining finishing works.