



CASE STUDY

IMPLEMENTATION OF SSOW

BACKGROUND

AEP Global as consultants provides an Energy Marshall along with an HV SAP and HV AP to implement our client's SSOW on a new Data Centre build, which is a 170MW gas fired power plant, the first of its kind in Dublin, Ireland.

- 1x HV Energy Marshall
- 1x HV Senior Authorised Person
- 1x HV Authorised Person

We sourced a team who have proven experience working with the Client's procedures. Our team hit the ground running implementing the most efficient SSOW devised from previous lessons learned. With the help of AEP's head office's technical director, we provided all registers for; Control and Isolation Lock, LOB (Lock Out Box), PTW/LOA/SFT, RFE (Request for Energisation) to be implemented and used on site as and when required.

The AEP supplied on-site Energy Marshall demonstrated the control and isolation registers to our client and the end client, explaining every piece of equipment on site has a unique lock assigned to that piece of equipment for the project duration until handover. Our Client permit office received 100% compliance and is held in high regard by our client and the end client.



PROJECT DESCRIPTION

Data Centre - Dublin Ireland

Construction of a single 1-4 storey Central Administration Building and two 2-storey (with mezzanine) data centres all to be located within the campus; The Central Administration Building (c.6.03m to c.19.85m high) will comprise central office administration, with staff cafeteria, staff gym and reception (GFA c.3,520sq.m), with the provision of PV panels on the roof; each data centre (c.15.6m high to parapet height and c.18.65m to top of roof plant) will include data halls, admin blocks (comprising offices, canteen, loading dock, storage and ancillary areas) and a variety of mechanical and electrical plant areas/structures including Modular Electrical Rooms (MERs), battery rooms and transformer areas. The site will also include 21 diesel generators and associated sub-stations (E-houses) and 11 mechanical flues (each c.30.75m high); Provision of a gas generator compound containing 20 generators, 5 E-houses and 5 flues (c.25m max height); Provision of a Gas Networks Ireland gas skid including 3 kiosk buildings; Expansion of existing electrical sub-station compound.

KEY SUMMARY



**MOBILISED x 3
PROJECT PERSONNEL**



**100% COMPLIANCE IN
SSOW**



**HELPED CLIENT TO
SIGN OFF KEY
MILESTONES**



**PROVEN AND
TRUSTED SUPPLIER**



**FAST ACTING WITH
LESSONS LEARNED**



**NO ACCIDENTS OR
INCIDENTS**