

## Case Study

- + Mechanical & Renewables
- + Mechanical
- + Electrical
- + Construction

# UK South Energy Centre

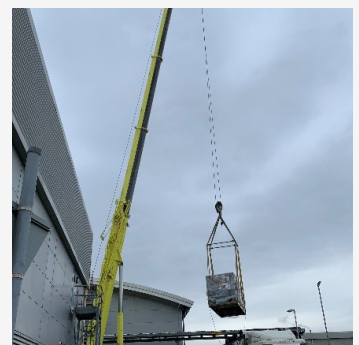
In just 6 months, SOL Services completed the replacement of two 525kW chillers at an energy centre in the UK South, a project that involved mechanical, electrical, and builders work disciplines.

We replaced the ageing chillers with high-efficiency variable speed screw chillers and managed the associated works, including crane lifts, pipework alterations, controls upgrades, and glycol dosing. To ensure uninterrupted service, temporary chillers were installed and commissioned, supported by scaffolding and newly installed pipework.

Our team carried out extensive off-site prefabrication to minimise on-site health and safety risks and managed the decommissioning and disposal of the old equipment. The project also included water treatment with side stream and magnetic filtration, along with roof cleaning and bird netting works.

### Client Benefits

- + New plant provided.
- + High efficiency equipment provided (Variable speed screw chillers).
- + Flushing of the system and water treatment including glycol dosing.
- + System provided with side stream and magnetic filtration.
- + Limited hot works on site during construction (welding carried out off site).
- + Works carried out with operational systems with managed weekend shutdowns.
- + Off site pre-fabrication of components reducing on site health and safety risks.



## Case Study



# UK South Energy Centre

- + Mechanical & Renewables
- + Mechanical
- + Electrical
- + Construction

### Services Provided

- + Supply of Johnson Controls (York) Chillers.
- + Decommissioning and disposal of old equipment.
- + Pipework coordination, fabrication, flushing, water treatment & installation.
- + Electrical Services (in house).
- + BMS (via named sub-contractor).
- + Planned lifting, beam testing, plant movement, bird netting works & scaffolding.
- + Planning & management of temporary chiller provider.
- + Thermal Insulation & Valve Jackets.
- + Bird netting works and roof cleaning.

### Project Details

SOL Services collaborated with TP Engineering and coordinated 14 specialist sub-contractors, successfully delivering a reliable, energy-efficient solution. The client praised our meticulous planning and management, which ensured system functionality during the works with only minor weekend shutdowns.

