



essco



**OFFSITE PACKAGED  
PLANT ROOMS FOR  
DATA CENTRES**

# Offsite Packaged Plant Rooms for Data Centres



Essco Prefab specialise in the design and build of offsite packaged plant for data centres.

We understand the pressures faced when working on site and have successfully project managed many builds to tight schedules.

Our engineers design packaged plant and prefabricated enclosures to your project specification. Products are built from scratch in our dedicated warehouse space to a high standard and our project team work closely with you to meet your installation schedule.

Offsite prefabrication offers many benefits, including reduced onsite labour costs, improved site coordination, simplified installation and less health and safety risk.

## Our data centre prefabricated solutions include -

- HVAC plant rooms
- Cooling plant rooms
- GRP enclosures
- LV switch rooms
- Wastewater reverse osmosis
- Chilled water UV filtration

## Features & Benefits

- Saves time and reduces project costs
- Simplified logistics and project management
- Technical support on-hand
- Gas Safe Registered engineers
- Cloud-based; project specific QA files via QR code
- Products tested and approved for peace of mind
- Aftersales service and support
- 2-year warranty as standard

## Offsite solutions can mitigate issues such as -

- Labour and skills shortages
- Theft on site
- Soaring material and labour costs
- Poor onsite workmanship
- Difficult site conditions and access problems



From initial design to delivery, we can provide a data centre solution no matter how big or small.

# Latest Data Centre Projects



Here is a selection of the latest data centre projects designed and built by us.

## Mechanical Plant Rooms for Virtus Data Centre

- Essex Service Group Limited (ESG)
- Two mechanical plant rooms including water treatment equipment, pressurisation units, vacuum degassing equipment, expansion vessels and associated pipework
- Dimensions: 4m x 3.5m x 2.8m



## Emergency Water Kiosk Plant Room for Digital Realty

- FES MEP LTD
- Plant room includes 2000L water storage tank, five booster pump sets, ten water filters with stage reducing microns, UV filter, control panel and automatic control valves
- Copper press-fit pipework throughout and special green exterior paint work
- Dimensions: 3.5m x 5.5m x 3.8m

## Electrical Enclosure for LHR21 Data Centre

- Glencar Construction Ltd
- One, three section empty enclosure for electrical and instrumentation installation by others
- Dimensions: 1.2m x 2.6m x 3.7m (per section)



# Latest Plant Room Projects



Here are some other recent plant room projects designed and built by us.

## Chilled Water Packaged Plant Room for Southampton Hospital

- Southampton Princess Anne Hospital neonatal unit
- Two Armstrong single head primary flow pumps and primary return pumps, 2000L chilled buffer vessel, combined pressurisation unit, degasser and water make up, 80L expansion vessel, 100mm Dirt separator and twelve 4" fully lugged Essco butterfly valves
- Dimensions: 4.5m x 3.5m x 3.2m



## Packaged Boiler House for MOD Base

- BJF Group and Vivo Defence
- Heating and hot water for leisure centre
- Six Ideal Commercial Evomax 2 boilers, plate heat exchanger, primary and secondary pressurisation unit with 80L expansion vessel, 800L system expansion vessel, dirt and air separator, two dosing pots, twin head primary flow pump and gas meter
- Dimensions: 6m x 2.6m x 3.5m

Find out how we can add value to your next data centre project by contacting us on **01489 779068** or [enquiries@esscoprefab.co.uk](mailto:enquiries@esscoprefab.co.uk).