

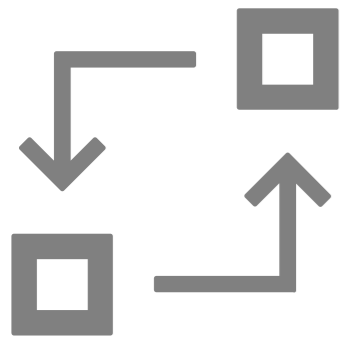


# essco

LITTLE  
BOOK OF  
**PREFAB**



**PACKAGED PLANT  
ROOMS, SKIDS AND  
PREFABRICATED  
UTILITY CUPBOARDS**



## About Us

Essco Prefab provide engineered offsite heating, hot water and electrical prefabricated solutions to suit project requirements and budget.

Our engineers understand the pressures faced when working on site and have successfully project managed many builds to tight schedules. You can rely on us to help you do a good job for your customer.



### DESIGN

Our skilled engineers design packaged plant or prefabricated utility cupboards (PUCs) to your project specification.

### BUILD

Products are built from scratch in our dedicated warehouse space to a high standard.

### DELIVER

Located in Cwmbran, South Wales, Essco Prefab has excellent access to the motorway network. Our project team will work with you to meet your installation schedule.



Nothing substandard leaves the Essco shop. That's our promise.



## Highlights



### FEATURES & BENEFITS

- Offsite prefabrication saves time and reduces project costs
- Expensive equipment stays off site making it less vulnerable to theft
- Simplifies logistics and project management
- Technical support on-hand by phone, video call, email or face to face
- Gas Safe Registered engineers with extensive experience
- Cloud based, project specific QA files available via QR code
- Products are tested and approved to high standards for peace of mind
- Aftersales service and support - ESSCO never walk away
- 2-year warranty as standard

Contact our friendly team on **01633 848080** or email [enquiries@esscoprefab.co.uk](mailto:enquiries@esscoprefab.co.uk) to find out how we can add value to your next project.

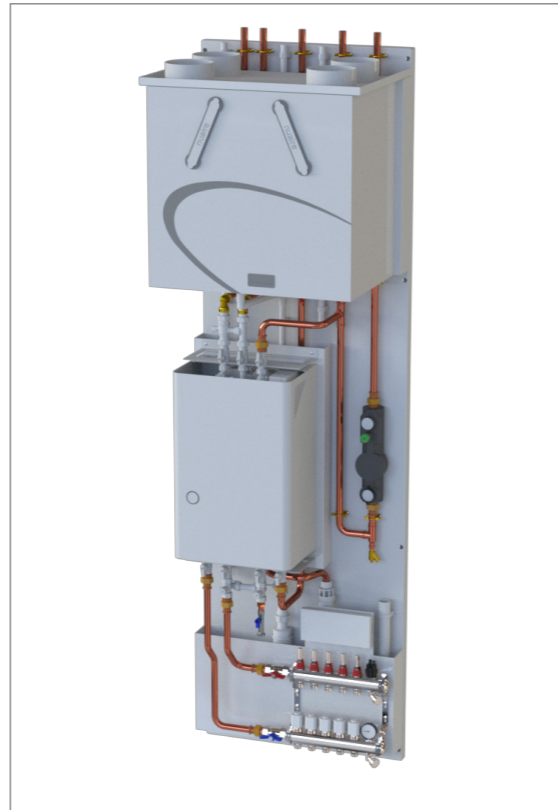


# MEP Utility Cupboards

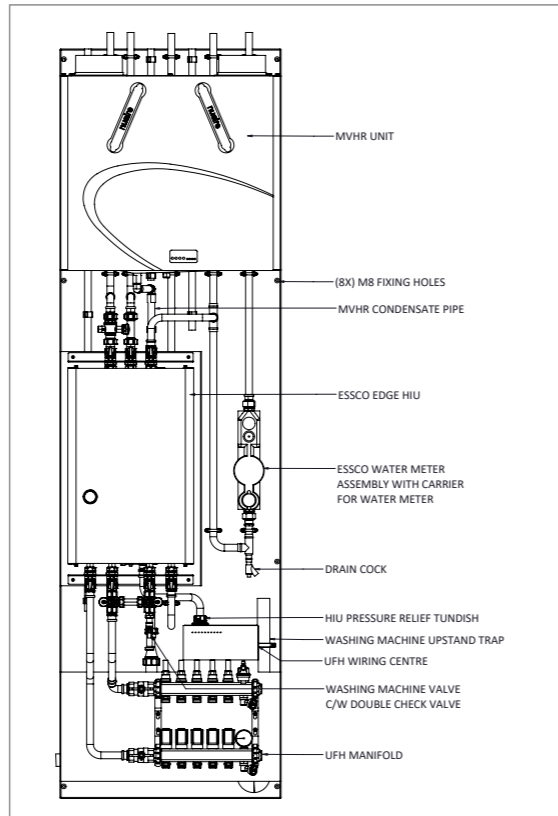
**Back-to-Wall PUC for Communal or District Heating**

Can include any brand of Heat Interface Unit, Mechanical Ventilation and Heat Recovery unit, with or without underflooring heating manifold and water meter assembly.

Back-to-wall PUCs fit through a standard doorway, making them ideal for retrofit heat network projects.



3D Render



3D Design



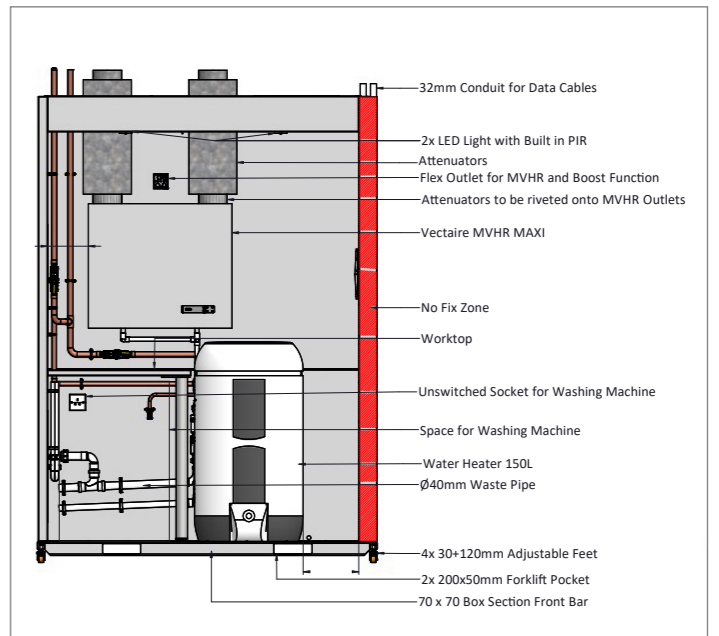
Final Product



# MEP Utility Cupboards



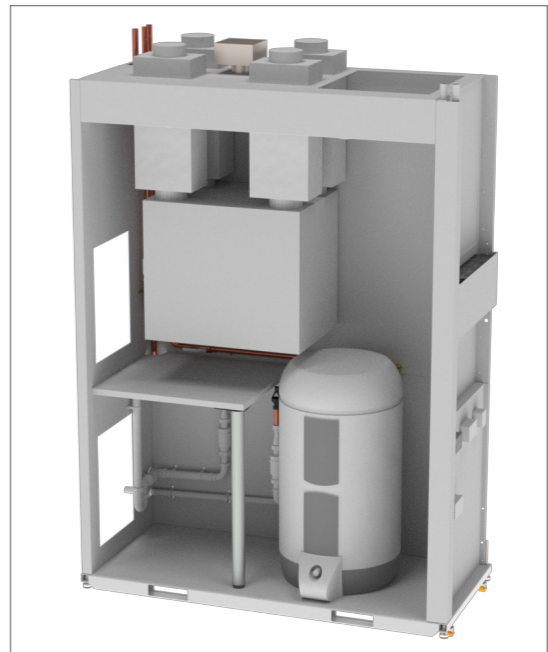
Prototype



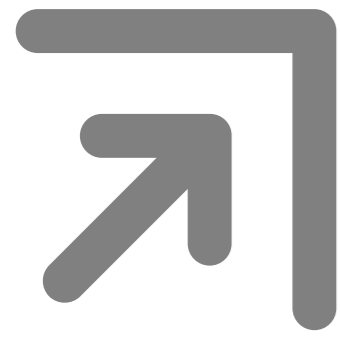
3D Design

**Chertsey Retirement Village**

- Prefabricated utility cupboards
- 150L hot water cylinder
- 116 Apartments
- Mechanical ventilation and heat recovery unit



3D Render



# Hot Water Skids



### Hot Water Skids

Essco are the prefabrication company of choice for Commercial Hot Water Solutions Ltd (CHWS).

- 300L hot water skids
- Pipework and wiring
- CHWS free issue equipment




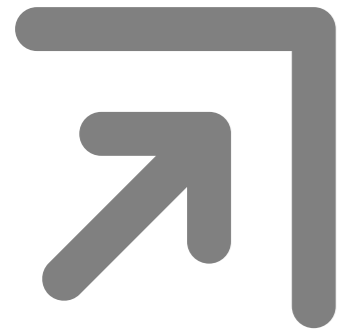

# Hot Water Skids



### Hot Water Skids

- Two 600L hot water storage vessels
- Associated plate heat exchangers and pump modules
- Essco manufacture the base and complete the pipework and wiring to suit
- Copper pipe bending capability from 15mm to 35mm



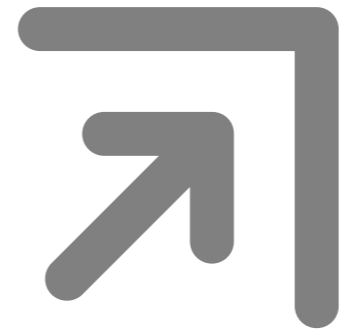


# Packaged Plant Rooms



## Plymouth Marjon University

- Packaged plant room
- Ebtech Engineering Services
- 200kW ground source heat pump and 1500L buffer vessel



# Packaged Plant Rooms



Nothing substandard leaves the Essco shop. That's our promise.



# Our Products & Partners

We offer a range of energy efficient products that are built to last. You can see a selection of our products below.



## Essco EDGE Heat Interface Units

EDGE HIUs feature the market-leading valve from ESBE and intelligent electronic flow and temperature control technology.

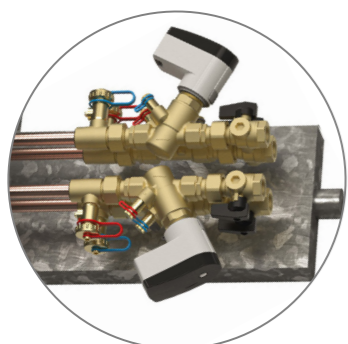
There's an EDGE HIU to suit most applications. And, if space cooling is required, the EDGE-CHW hits the spot.



## Essco Water Meter Assemblies

WMAs provide control and measurement of the cold-water supply to multi-dwelling buildings.

Supplied as standard with a carrier, the WMA can be fitted with any approved water meter.



## Essco Fan Coil Valve Assemblies

FCVAs provide control of the secondary circuit whilst reducing installation time and labour costs.

They are used to connect fan coils, ceiling conditioning systems and cold beams onto primary heat networks within multi-dwelling buildings.



# Our Products & Partners

We also collaborate with the best partners and you can see some of their products and technology below.



## ESBE Valve and Actuator Products

Essco are the UK distributor of ESBE products for HVAC systems.

With robust Swedish design, ESBE are the rock-solid choice for energy efficient regulation of HVAC systems.



## ELYSATOR® UK Water Treatment

Elysator lead the way in corrosion protection for water recirculation systems.

A chemical-free solution, Elysator uses a sacrificial anode to extract oxygen, acid, and aggressive salts from the water.



## Sunamp Thermal Energy Storage

Working with everything from grid electricity and gas boilers to solar and heat pumps, these super-compact heat batteries use phase change material to deliver cascades of hot water and highly responsive space heating.

## Digital QA with Mobtag

We partner with Mobtag to provide a digital QA process. This cuts down on paperwork and gives our customers easy access to QA files and O&M manuals specific to each plant room or PUC from any internet connected device.



Scan the QR code to see a sample QA pack



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## Our Approach

1. Budget price followed by accurate quote
2. Sign-off AutoCAD / Solidworks design
3. Prototype produced for client approval
4. Visit the factory for a progress report
5. We provide a simple QA process
6. Agree a realistic production schedule

## Our Promise

Nothing substandard leaves the Essco shop

Standard 2-year warranty

ESSCO never walk away



**Essco Prefab**  
13 Court Road Industrial Estate  
Cwmbran  
Torfaen  
South Wales  
NP44 3AS

T. 01633 848080  
E. [enquiries@esscoprefab.co.uk](mailto:enquiries@esscoprefab.co.uk)

**Essco Group**  
Unit 5, Nelson Industrial Park  
Herald Road  
Southampton  
SO30 2JH

T. 01489 779068  
E. [sales@esscogroup.co.uk](mailto:sales@esscogroup.co.uk)  
W. [www.esscogroup.co.uk](http://www.esscogroup.co.uk)