



**TAILOR-MADE
PREFABRICATED
SOLUTIONS**

INGENUITY BOXED

**PACKAGED
PLANT
SOLUTIONS**

WELCOME

At Packaged Plant Solutions we're dedicated to creating the highest quality prefabricated modular solutions, from packaged plant rooms and energy centres to pre-assembled modules with Heat Interface Units (HIUs) in utility cupboards.

Our team of experts will work with you to design, specify, manufacture, test and deliver the heating, power and/or energy solution that is right for your project. Our comprehensive range of bespoke solutions are designed and built by our experienced engineers, and tailored to match your project's unique requirements.



WHY PREFABRICATE?

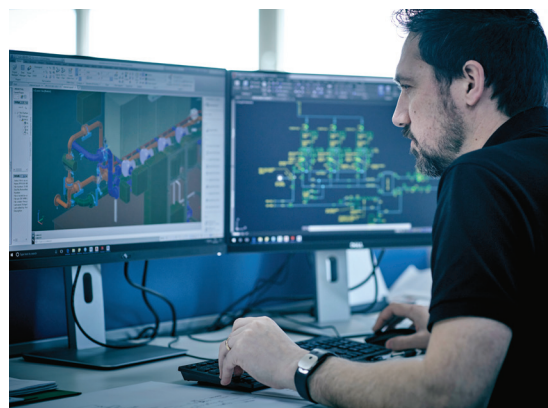
There are numerous proven benefits to off site manufacturing, attributed partly to working in a dry, organised, quality controlled environment.

Product quality is assured, cost is known and waste is minimised. Most importantly however, is the focus we can give to the health and safety of the entire project team.

A fully integrated team in one place, helps to coordinate and speed up the process of design and manufacture. The result is a factory made, fully-tested unit, saving installation time and reducing costs for skilled labour on-site.

Prefabrication has many advantages:

- CIBSE estimate that on average a **13.4% cost saving** can be achieved when prefabricating compared to conventional on-site builds
- **Installation time** can be **reduced** by up to **64%** compared with on site construction (CIBSE)
- **Reduces risk** for all stakeholders as everything is quality controlled, factory assembled and pre-tested prior to arriving on site, ready for installation and commissioning
- Offers greater **quality control, accuracy and efficiency** as everything is manufactured in a controlled environment
- Can dramatically **reduce material waste**
- **Health and safety is improved** due to the reduced activity on site and associated hot work
- **Installation is simpler** reducing the need for specialists on site – especially important due to current labour and skills shortages within the construction industry



PACKAGED PLANT SOLUTIONS ARE PROUD TO BE PART OF BAXI COMMERCIAL SOLUTIONS

This uniquely gives us access to the UK's premier commercial heating and hot water portfolio, offering:

- **World-class expertise** across six UK sites
- Trusted **market-leading** brands
- Employing over **2,000 people in the UK**
- Manufacturing in the UK for over **150 years**
- **First to UK market** with our commercial condensing boiler in 1983
- **Award-winning** products and customer service
- Blue-chip business credentials



BAXI
Commercial Solutions

Complete heating and hot water solutions for your commercial projects.



HEATRAESADIA

PACKAGED PLANT SOLUTIONS

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COMMERCIAL





WHAT WE DO

Our comprehensive range of solutions meets the needs of every project. You can benefit from technical advice, bespoke design, project management and quality controlled assurance.

Over the next few pages you will find more details of our products and services, including:

- Plant room and skids
 - Boiler
 - Chiller
 - Combined Heat and Power (CHP)
- Energy Centres
- Pre-assembled modules
- Utility cupboards incorporating Heat Interface Units

HOW WE DO IT

Our in-house team have a wealth of experience and technical expertise – and are always on hand to help you.

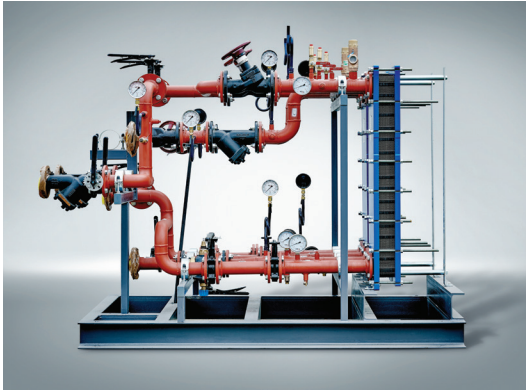
Working in partnership with our customers we offer a range of services to match their requirements and build programme, from pre-packaged solutions to advice on environmental legislation, design and complete plug and play solutions.

Our deep knowledge is combined with a flexible, forward-thinking attitude and an appetite for problem solving.



PLANT ROOMS OR SKIDS FOR EVERY PROJECT

Save time and money by letting our trusted team design and build your perfect plant room off-site. Before delivery, we will dry pressure test everything so that your new plant is ready to run as soon as it is connected. And if containment is not required we can provide a full range of skid solutions instead.



BOILER ROOMS AND SKIDS: WE CAN TAKE THE PRESSURE

We are experienced in designing and manufacturing boiler rooms for all kinds of building applications - and can work around whatever unique restrictions and challenges your project presents.

Our wide range of tailored boiler plant rooms and skids can fit every required application, no matter how big or small, and we can manufacture either all-in-one or sectional equipment.

We will listen to your precise needs and specifications so that you get exactly what you want.

Some of the key features we can offer include:

- Gas-fired boilers
- Primary and secondary pumps
- Pressurisation and dosing equipment
- Heat exchangers
- Air and dirt separation plant
- Fully insulated pipework and headers





CHILLED WATER PUMP ROOM: WE CAN PLAY IT COOL

Whether you need a chilled water solution and need an associated pump package or skid for your building project, our expert team can assist you. We have a wide variety of clever solutions to meet every challenge.

- Pressurisation units
- Chilled water pump sets
- Primary and secondary pump sets
- Buffer vessels
- Air and dirt separation equipment



COMBINED HEAT AND POWER (CHP) PLANT ROOMS

CHP systems can offer up to 80% efficiency compared to conventional generation, helping to support carbon reduction programmes. Our CHP units range from 5kWe to 100kWe and can be installed in multiples to provide flexibility in outputs to ensure an efficient match to your heat and power requirements.

We'll take the time to understand your seasonal heat and power loads to enable us to correctly size your CHP plant room to the energy use of your project. CHP works well as part of an integrated plant room, balancing load against use and is complemented by our wider range of heating solutions.





ENERGY CENTRES

Our energy centres can incorporate a variety of traditional and sustainable low carbon generation technologies in one package.

We also provide a range of skid solutions for base applications to connect district heating systems. Our pre-assembled module designs can be applied to riser and floor distribution. For the complete system we also manufacture utility cupboards for end user apartments.

PRE-ASSEMBLED MODULES (PAMs): READY WHEN YOU ARE

Pre-planned, pre-assembled, pre-plumbed and pre-certified. When you choose a PAM you can rest assured that everything will be ready to go as soon as you need it.

Whether you are after heating, water or energy provision, we can help. If you would like us to get involved with specification, we can do that, or we can take your specification and make it happen.

We can work with renewable or traditional engineering technologies, suggesting the right products from the entirety of the Group's product portfolio, and we will put together a bespoke package that does exactly what you want it to.



Our PAMs can be fully integrated into corridors and risers and come pre-insulated. Our units can feature a wide range of mechanical and electrical services, such as:

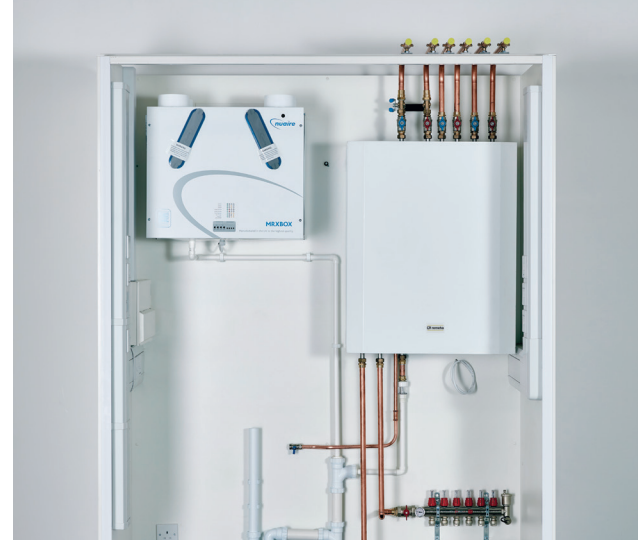
- Water services
- Drainage
- Gas
- Air conditioning
- Ductwork
- Electrical and BMS containment
- Fan coil units
- Sprinkler distribution
- Data containment

We can manufacture them off-site ready for installation in line with programme. We can meet tight deadlines, and are experienced in delivering equipment as part of a roll-out programme.

Your PAM will be built to the highest specification. Our engineers are committed to providing you with reliable solutions that offer long-term performance, with minimal risk of downtime. Everything is dry tested before being delivered to you so it is ready to start work as soon as it is needed.







HIU UTILITY CUPBOARDS

Our HIU Utility Cupboards are perfect for multi-occupancy buildings which are connected to a central plant room or heat network, such as an apartment building or student accommodation. HIUs distribute the heat from a central plant room to the heating and hot water systems of each apartment, providing domestic hot water on demand.

Our range of prefabricated HIU Utility Cupboards are tailored to meet the specific requirements of your project, accommodating all mechanical and electrical requirements.

They can be configured to suit the layout, service connections and spatial requirements of each project. Our HIU utility cupboards are delivered to site with HIUs, mechanical ventilation with heat recovery ventilation systems, underfloor heating and digital connections already installed, and full, pre-wired electrics.

All units are delivered pre-tested and pre-insulated and ready to accept final connections, allowing installation to be completed in just a matter of hours.

As with all of our prefabricated solutions, our HIU Utility Cupboards are designed and built to the highest standards, with manufacturing optimised to ensure maximum efficiency, speed and quality is maintained.

GET IN TOUCH

We look forward to helping you with your next project. Our expert team is always on hand to answer your questions, whether you have a detailed plan, or just want to talk through the options.

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