



Engineered Pipe Systems For Data Centres

Reliable. Resilient. Ready.

www.cpv.co.uk

Client Engagement

Who We Are

CPV is a UK specialist manufacturer, who for more than 70 years, has specialised in the design, manufacture, and integration of engineered pipe systems for industrial and building services applications.

From our UK based state-of-the-art production facility, we globally deliver high-performance solutions in a range of materials—including polymers, metals, and hybrid systems—supported by a full range of in-house services. Our systems are trusted in critical infrastructure environments across the UK and internationally.



Support For Clients & Design Consultants



Minimise the risk of leaks and premature failures in pressurised or wetted media systems.



Support your net-zero goals through sustainable manufacturing and material efficiency.



Deliver high thermal efficiency with integrated insulation and trace heating.



Enable precise leak detection and monitoring, including internal/external surveillance options.

Long-Term Reliability, Risk Mitigation, And Sustainability

Leak Surveillance & Location

Waste Heat Recovery

Storage & Containment

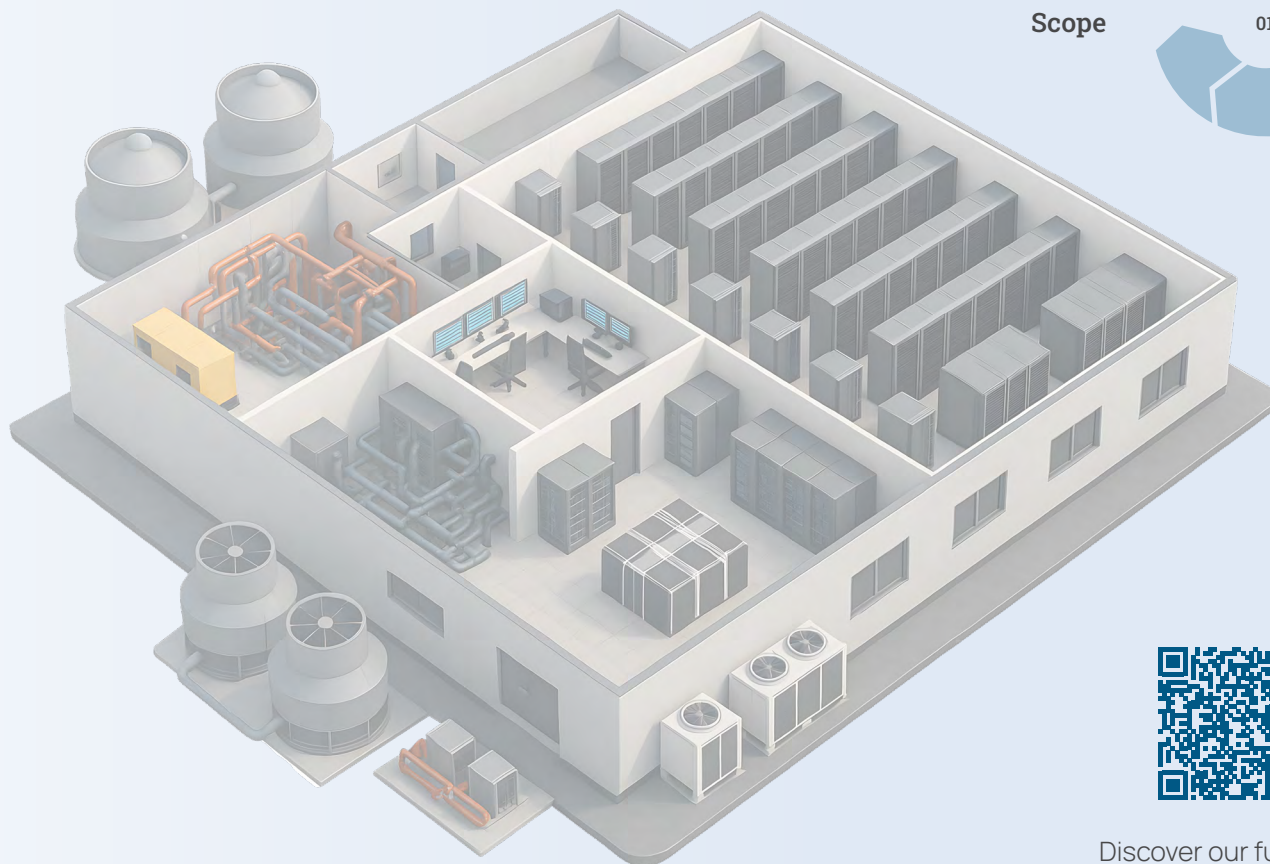
Plant Rooms

Process Water

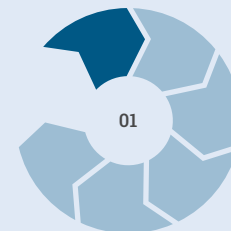
Chemical Dosing Lines

Valves & Controls Chambers

Drainage



Scope



Discover our full scope
of services by visiting
www.cpv.co.uk

Support For Contractors & Installers

Installation Simplicity, Speed, And Quality



Off-site prefabricated pipe
spools and skids to reduce
on-site labour, hot works,
and risk.



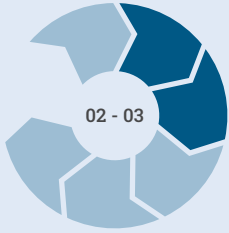
Tested and validated
assemblies ready for final
connections and fewer
delays.



Fully integrated LOD
400/500 BIM families to
streamline planning and
avoid clashes.



Technical and logistical
support from a team that
understands real-world
construction.



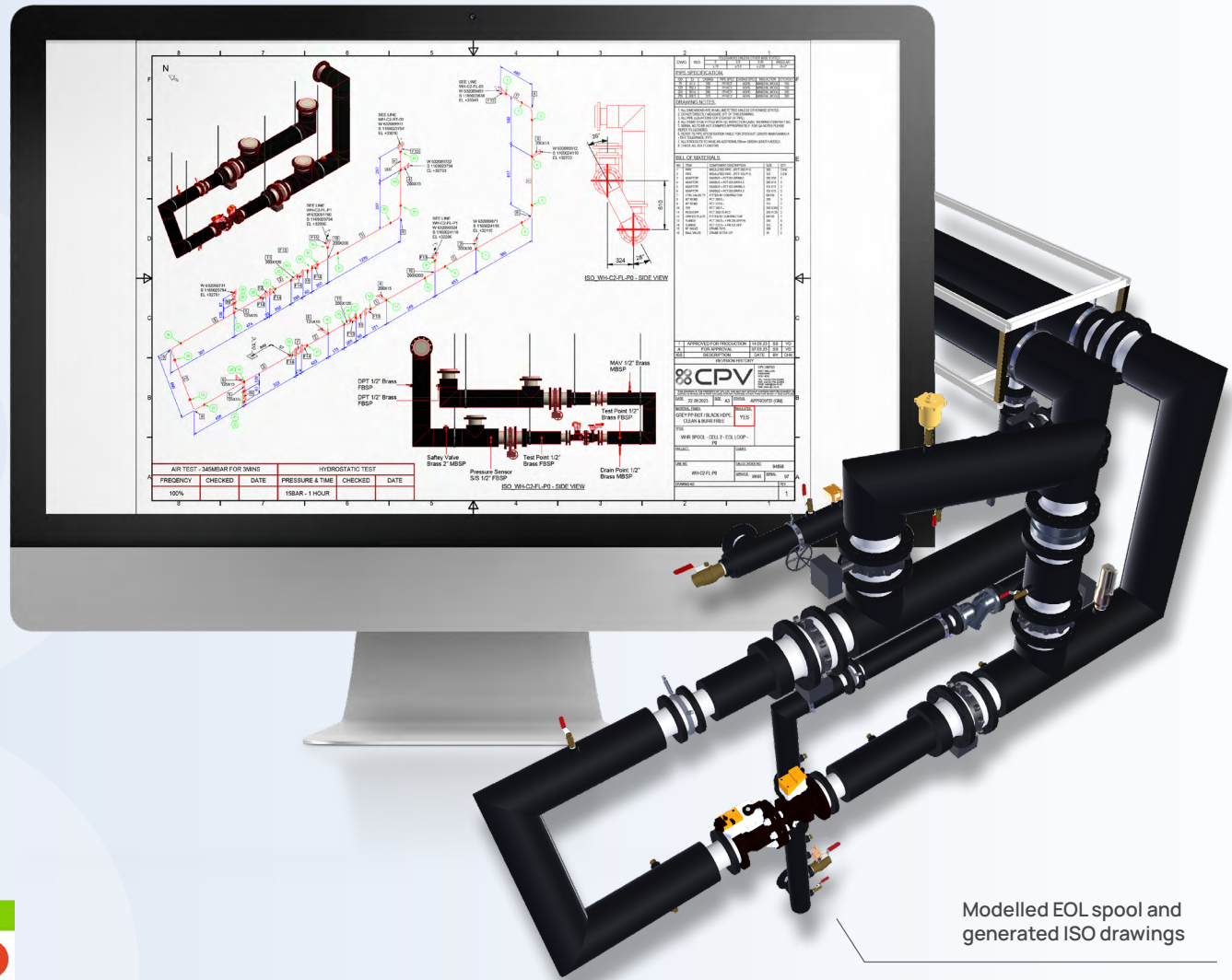
Design &
Approve

Smarter Design With BIM

Precise Modelling

At CPV, we take coordinated digital design further. Our LOD 400/500 parametric families are purpose-built for designers, unlike static components from other manufacturers. Our models are fully programmed with all necessary features for coordination, clash detection, and fabrication.

ISO drawings are generated directly from the model, eliminating human error and ensuring what's seen in the model is exactly what's built. This approach streamlines project delivery, speeds up installation, and enables clients to make better decisions through a consistent, accurate, and fully coordinated workflow.



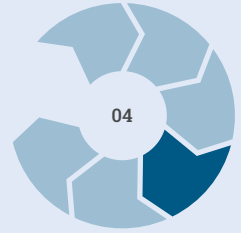
Key Software



Modelled EOL spool and
generated ISO drawings

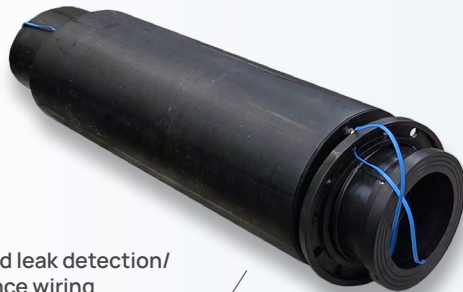
Piping Solutions

Production



What CPV Offer

CPV delivers complete, material-agnostic piping solutions, for both above and below ground, tailored to the demands of data centre infrastructure.



Integrated leak detection/
surveillance wiring

Pipe-in-Pipe / Dual Containment Systems

A key risk mitigation feature, our pipe-in-pipe (or dual containment) solutions offer a second line of defence to minimise mission-critical equipment damage, downtime and financial loss. Compatible with integrated leak detection cables for early warning and precise fault location. Ideal for high-risk applications such as chemical dosing, chilled water, and underfloor services.



Pre-fabrication

Build faster with engineered assemblies fabricated in a controlled environment, parallel with site works to reduce time, waste, and cost.



Pre-Insulated Pipe Systems

Our factory-applied insulation systems provide optimal thermal efficiency, minimising heat gain or loss and offering robust freeze protection where required.



Leak Detection

Integrated electronic leak surveillance with real-time alerts for high-risk or sensitive areas, including underfloor, ducting, in containment, or overhead zones. Precisely identify, locate and monitor moisture and wiring faults for proactive maintenance and risk control.



Heat Trace & Insulation

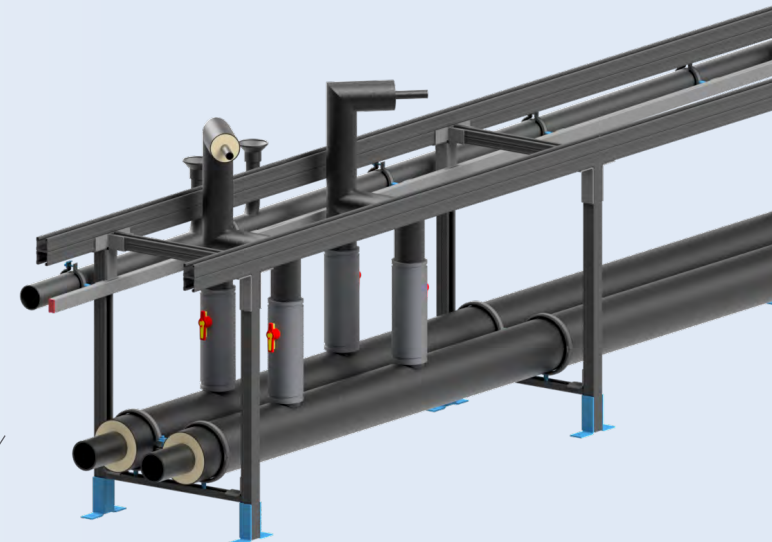
To maintain system temperature or prevent freezing, especially for exposed or external runs.



Modular Framework Systems

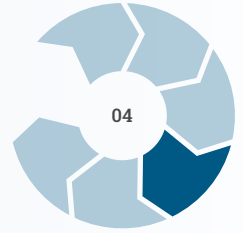
Supplying pre-engineered steel support frameworks with integrated mechanical piping services. These units arrive on site ready to install and fit perfectly the first time, reducing structural coordination effort and on-site assembly time.

Pre-insulated pipe spools
mounted on modular steel
framework, tested and ready
to install on-site



Application Areas

Production



Integrated ancillaries

Ancillaries

Valves, sensors, actuators, guides and anchors—all integrated to simplify installation, improve alignment, and reduce failure risk.

Storage / Containment Vessels

Custom non-pressurised storage tanks. Designed for space efficiency, safety, and lifecycle durability.

Process Water Systems

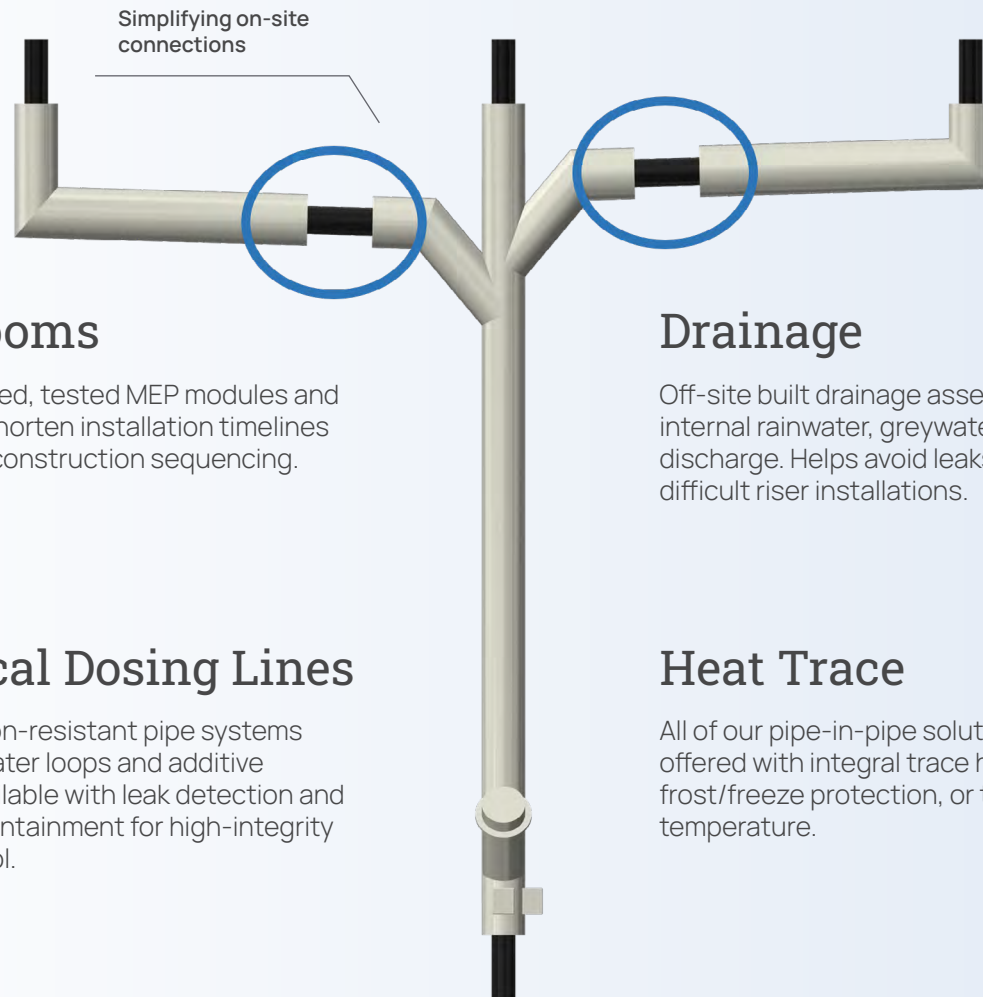
Solutions for closed-loop cooling and heating circuits, available in single or dual-contained formats. Designed for chemical compatibility, long-term pressure performance, and easy on-site assembly.

Valves & Controls Chambers

Chambers for valves and ducting, built in the factory for super-fast connection and operation. More sustainable and non-toxic than concrete in both time and cost.



Valve chamber



Plantrooms

Fully assembled, tested MEP modules and plant skids. Shorten installation timelines and improve construction sequencing.

Chemical Dosing Lines

Safe, corrosion-resistant pipe systems for treated water loops and additive injection. Available with leak detection and secondary containment for high-integrity dosing control.

Waste Heat Recovery

Pre-insulated systems for integration with ambient loops or district energy networks. Designed for thermal performance and carbon reduction.

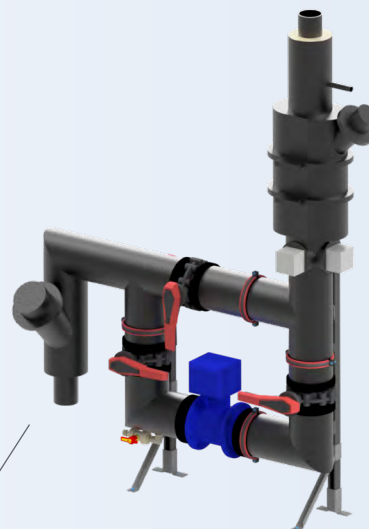
Drainage

Off-site built drainage assemblies for internal rainwater, greywater, and process discharge. Helps avoid leaks, delays, and difficult riser installations.

Heat Trace

All of our pipe-in-pipe solutions can be offered with integral trace heating to provide frost/freeze protection, or to maintain media temperature.

Fully assembled and tested MEP spools



Achieving Targets

Inspection &
Delivery



Sustainability

At CPV, sustainability is embedded in how we design, manufacture, and deliver. Our ISO 9001-approved production facilities operate in accordance with ISO 14001 Environmental Management System standards, ensuring that the majority of our waste streams are being re-used or recycled rather than going into landfill and we are reducing our impact on the environment.

We have also invested in our own renewable energy source – consisting of a large-scale roof-mounted PV array to ensure our production process is as sustainable as possible.



Inspection & Delivery

All systems undergo a rigorous Quality Assurance Plan including dimensional checks and pressure testing, spark and thermal testing for containment and insulation, as well as leak detection verification and traceability logs. We ensure every item is delivered tested, labelled, and ready to install—aligned to your site schedule.

Lets Work Together

Whether you're in early-stage design or preparing for project delivery, our team is ready to support your goals.

✉ enquiries@cpv.co.uk

☎ +44 (0)1794 322 884

🌐 www.cpv.co.uk



Discover Our Full
Scope Of Services

