CONNECTED THINKING. PROCESS ENGINEERING.
Colloide is a highly skilled process engineering company, with specialist skills in water treatment, energy, environmental and facilities engineering solutions.

Colloide's services range from design through to construction, installation, commissioning, maintenance and overall project management. We have the skills to take on the role of either principal contractor, specialist sub-contractor or equipment supplier.

Our experience is wide ranging, from major water utility installations to district heating networks to work on factory process improvements and biomass heating installations.

Whether it is a solution to an existing problem or future proofing against upcoming process and environmental challenges, our reputation for reliability, innovative thinking and professionalism is of paramount importance, as reflected in:

- Our team of highly skilled and experienced mechanical, electrical and process engineers.
- Our flexibility and innovation, getting the best solution for our clients.
- Our commitment to the highest levels of Health and Safety.
- Our integrated quality management processes, accredited to ISO9000 and ISO14000.

Our priority is to provide systems that are resource efficient, cost effective and meet all regulatory requirements.
Colloide has a strong base of experience in the energy sector, and particularly within heat recovery and renewable heating.

With our core mechanical, electrical and process engineering skills, and our experience in energy balances and infrastructural projects, we design and supply systems ranging from energy centres and heat recovery systems for large district heating networks through to biomass heating installations.

Water is a precious and depleting resource, and there is a growing need for innovative technologies to treat, recycle and manage our water resource in the most sustainable manner possible.

Colloide works extensively within the water and wastewater treatment sectors. We develop and supply water treatment plant for some of the UK’s largest water companies and effluent and water handling solutions for industrial clients.

We are proud of our problem-solving capabilities, and our ability to find solutions to help industrial and commercial clients optimise their processes and plant operations.

Clients come to Colloide with a variety of challenges, from relocating plant to plant optimisation through instrumentation, controls and re-engineering. We integrate electrical, mechanical, chemical and building services engineering to get the best result.
We will work with you and your project team from the design stage through to construction, installation and maintenance.

**Design**

Whether a new build installation, refurbishment or process improvement, Colloide will design the most effective and practical solution for each individual situation.

**Construct and Install**

Colloide provides a full end-to-end service, from in-house manufacturing through to on-site installation and commissioning. Whether working as the primary contractor or a sub-contractor, our engineers are trained to provide a seamless service from installation through to commissioning, process proving and training of client operatives before handover.

**Operation and Maintenance**

We offer clients planned support and maintenance programmes, standard warranty back-up and a 24 hour emergency call out service. Our team of service engineers are trained to the highest health, safety and quality standard, providing a seamless support service to our clients.

**Project Management**

We can provide a full project management EPCM service, but are equally comfortable as a specialist sub-contractor. Managing the supply chain and project partners, we ensure that projects are completed on time, within budget, to the agreed specification and with the necessary risk management and quality controls.
Awards and Accreditations

Colloide is committed to the highest standards of health and safety, quality, environmental management and staff development.

We are proud of our accreditations:

ISO 9001, ISO 14001

OHSAS 18001

Investors in People

Achilles UVDB

and Constructionline.

We have the experience and skills to get the best solution for our clients.
Municipal

Colloide works with many of the major water companies across the UK and Ireland, providing a full range of water and wastewater treatment technologies and solutions.

We understand the challenges that water companies face to reduce energy consumption, satisfy increasing regulatory standards and conserve water, with the most cost effective solutions. Meeting these challenges requires innovative thinking, TOTEX solutions and efficient project delivery.

Colloide has this experience, whether on new build treatment plants, refurbishments or upgrades to existing treatment works. We can design, supply and manage the full project or provide specific technical products for all stages of the water treatment process.

Industrial

We work with clients across industry to provide systems for treating wastewater as well as handling process water. Industrial wastewater can contain a diversity of impurities. Our treatment solutions are developed according to the nature of the effluent and to recover maximum value from the wastewater product, whilst future proofing for tightening emissions regulations.

Where water is part of the industrial process, Colloide also offers a range of processes to secure and handle the necessary quantity and quality of water, from conventional to high-performance membrane processes.

To view client projects please visit www.colloide.com
**District Heating & Cooling Networks**

Colloide designs and installs sustainable district heating and cooling networks, working with our clients to deliver the highest performing systems and building in as much flexibility as possible.

Whatever the scale of the project, we can provide a full EPCM service, managing the design, civil engineering, installation, commissioning and stakeholders engagement, or we can be a specialist contractor liaising seamlessly with other partners within the supply chain.

**Commercial & Industrial Heating Systems**

Colloide has designed and installed heat recovery, cooling, distribution and management systems for a broad spectrum of commercial and industrial clients. Energy efficiency is a central feature of all of our systems, which include reversible pumps for a cooling function and heat pumps and exchangers to recover heat from air, groundwater or waste heat.

We also design and build customised energy centres, capable of operating with more than one energy source but with centralised control, including remote monitoring and access.

**Renewable Energy**

Colloide has completed an impressive portfolio of biomass heating projects, with a particular specialism within the agricultural sector. We design and install the complete package, including boilers, biomass storage and handling, pipework, buffer vessels and controls. Our systems are tailored to the client’s specific heating requirements, site, feedstock and budget.

We also offer a packaged biomass system, called the ‘Heat Pod’, which is a complete heating solution packaged within its own housing and constructed off-site.

To view client projects please visit [www.colloide.com](http://www.colloide.com)
We are proud of our problem-solving capabilities, and our ability to find solutions to help industrial and commercial clients improve efficiencies and optimise their processes and plant operations.

Clients come to Colloide with a variety of challenges, from relocating plant to plant optimisation through instrumentation, controls and re-engineering.

We integrate electrical, mechanical, chemical and building services engineering (including HVAC), controls & instrumentation engineering to get the best result:

- designing, reviewing and implementing new processes or improvements in manufacturing, facilities management or a related field.

- optimising plant operations, through the analysis of energy, material and labour costs and developing a value engineered solution. We relish these challenges, using our multi-disciplinary and collaborative approach to design, install, commission and maintain solutions that deliver clear performance benefits through the life of the plant.

To find out more about Facilities Engineering visit www.colloide.com
We offer and work with an extensive range of technologies, which we integrate into a packaged solution for our clients.

- Activated Sludge Treatment
- Biomass Heating
- Chemical Dosing
- Clarifier Systems
- Control Systems
- DAF
- Deep Bed Sand Filters
- District Heating and Cooling
- Dynamic Sand Filters
- Energy Centre
- Heat Pumps
- MBBR
- MBR
- Membrane Filtration
- Multi Cell Media Filtration
- Pressure Filters
- Pumping Stations
- SBR
- Scraper Systems
- Tekleen Filter

To view detailed technologies information visit www.colloide.com