



# Colloide

Engineering a **brighter** tomorrow

# Contents

About us	Page 2
Our Teams	Page 4
Sectors and Services	Page 6
Clients, Awards and Accreditations	Page 8
Experience: Water Treatment	Page 9
Experience: Energy Solutions	Page 12
Experience: Facilities Engineering	Page 14
Our Capabilities	Page 16
Our Product Range	Page 17
Our Team TIES	Page 18

# Resource efficient & cost effective systems Designed by experts

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

With over 20 years of experience, we have the skills and expertise to tackle any project, from design through to construction and maintenance.



# Our Vision & Mission

## Purpose

To improve our environment through sustainable engineering solutions.

## Vision

A brighter tomorrow for people and the planet.

## Mission

Delivering innovative, high quality and sustainable engineering solutions, supported by outstanding customer service and superior technical expertise.



# In-House Knowledge

# Accomplished Professionals

We have the skills to take on the role of either principal contractor, specialist sub-contractor or equipment supplier, and are equally comfortable and experienced in all roles.

Our services range from design through to construction, installation, commissioning, maintenance and overall project management. Our experience is wide ranging, from major water utility installations and innovative 'first of its kind' district heating projects through to work with breweries on process improvements and biomass heating installations on farms.

Our reputation for reliability, innovative thinking and professionalism is of paramount importance to us, as reflected in:

- Our team of highly skilled and experienced mechanical, electrical and process engineers.
- Getting the best solution for our clients, through skills, innovative thinking and a flexible approach.
- Maintaining the highest levels of Health and Safety, with zero reportable accidents and accredited to ISO 45001 and SSIP.
- Our integrated quality management processes, accredited to ISO9001 and ISO14001.

In all cases, we work in partnership with our clients and their consultant engineers and, whether it is a solution to an existing problem or future proofing against upcoming process and environmental challenges, we believe that Colloide is second to none in terms of technical excellence and customer service.

# On-Site Knowledge

# Colloide Installation Team



Complementing our cutting-edge engineering solutions and in-house team, we have a strong site installation team. Our skilled fitters and fabricators are well-equipped to handle various on-site challenges, ensuring seamless implementation and execution. From the initial groundwork to the final commissioning, our team manage the entire installation process, adhering to stringent quality and safety standards

At Colloide, our commitment to excellence extends beyond the design phase, as our site services guarantee the smooth realisation of engineering projects, ensuring customer satisfaction and long-term reliability.



## Water Treatment

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 both Municipal and Industrial. We develop and supply water treatment plants for some of the UK's largest water companies and effluent and water handling solutions for industrial clients.



## Energy Solutions

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.



## Facilities Engineering

We are an industry leader in designing and manufacturing custom engineered systems. Our ability to combine technologies and provide complete packaged systems sets us apart. We relish challenges, using our multi-disciplinary and collaborative approach to design, install, commission and maintain solutions that deliver clear performance benefits through the life of any system.

# Our Services



## Design

We have the experience and skills to recommend and design engineering systems for our clients. Whether a new build installation, refurbishment, process improvement or future proofing existing operations, we are always focused on getting the most effective and practical solution for each individual situation.



## Construction

Colloide provides a full end-to-end service, from our in-house manufacturing capability through to on-site installation and commissioning. Our in-house skills include mechanical, electrical, chemical and process engineering and project management expertise.



## Maintenance

We offer clients a range of operation and maintenance services, from planned support programmes and standard warranty back-up, through to 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

Our involvement in a project can range from equipment supply through to a full project management EPCM role. Managing the supply chain, project partners and budget, we ensure that projects are completed on time, within budget, to the agreed specification and with the necessary risk management, health, safety and quality controls.

**Offering full turnkey project management or specialist subcontractor services.**



# Clients, Awards & Accreditation

Colloide is committed to the highest standards of health and safety, quality, environmental management and staff development. This focus has earned us a reputation of a trusted partner for many companies across the UK and Ireland.

We are proud of our network and accreditations

## Valued clients we have served



## Awards and Accreditations



# Discover the ultimate **Water Treatment**



# Water Services

## 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.



# Water Services 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.



# Discover the ultimate **Energy Solutions**



# 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.

# Discover the ultimate Facilities Engineering



# Facilities Engineering

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.





# Our Capabilities Meet Your Needs

We excel in tailoring systems to our clients needs. With two decades of ongoing development, our solutions address varied requirements effectively.

## Capabilities

### Supply chain

We have sourced suppliers and developed a reliable relationship, with suppliers based across the UK and Ireland. Our supply chain is accredited to high Quality, Health and Safety and Environmental standards.

We have the capability to deliver your requirements anywhere across the UK, Ireland, Scotland, and Wales.

### Location

### Availability

We have the capacity to engineer equipment on a short lead time, due to our ability to design and build off-site.

Our standardised designs can be adapted to meet bespoke requirements for various sites.

### Flexibility & adaptability

# Our Product Range



Activated Sludge Treatment



Anaerobic Digestion



Biomass Heating and Heat Pumps



Chemical Dosing



Bridge Scraper Systems



Clarifier Systems



Control Systems



DAF



Deep Bed Sand Filters



District Heating & Energy Centres



Dynamic Sand Filters



MBBR



MBR



Membrane Filtration



Multi Cell Media Filtration



Pressure Filters



Pumping Stations



SBR



Tekleen Filters



Rapid Gravity Filters



# What TIES us together?



## Teamwork

We empower our people and help them grow, with collaboration being the key to our success.



## Innovation

We continuously innovate by transforming ideas into tangible, successful outcomes.



## Engineering Excellence

We exceed our customers' expectations by delivering quality and excellence in everything we do.



## Sustainability

We protect our environment by developing sustainable processes and technologies.



# Colloide



[www.colloide.com](http://www.colloide.com)

# Our Experience

Our experience is accumulated over a 20 year period. During this time, we have gained extensive experience in Design, Manufacture, Installation and Commissioning of Innovative Systems.

Every project site demands excellence, and Colloide rises to the occasion as your trusted partner in process engineered solutions. With a proud track record of successful, we bring unparalleled proficiency to every endeavour.

