



Engineering Services & Process Technologies



## Our Business

We provide engineering services & process technologies to the water & waste water utilities, food & beverage, and industrial process companies in the United Kingdom and Ireland. We offer a single source for the project management, design, supply, manufacture, testing, installation and commissioning of Metalwork fabrication, M&E installation, Water and waste water treatment plants, Fine bubble aeration, Ultraviolet disinfection and Hydro turbine generation.

Our culture is to work collaboratively with our partners to embrace technology and innovation in order to reduce carbon footprint, improve project efficiencies and minimise total expenditure [Totex].

Our commitment to 'Sustainability' is reflected in our accreditations to ISO 9001, ISO 14001 and Achilles UVDB Verify. We are also committed to the highest standards of Occupational Health & Safety and Carbon Emissions Reduction.

## Our Group

We are part of the FLI Group which is a diversified group of companies providing environmental solutions, services and technologies to private and public sector customers in the UK, France, Ireland and throughout the world. The FLI Group is structured in four areas of activity namely Energy, Remediation, Water and Geosynthetics.

## Our Values

We recognise that our reputation gives our customers, employees, partners, and suppliers the confidence to trust us so that we can do business together. We have implemented four Core Values that are essential in helping to guide our employees to make the right decisions and behaviour in a manner that we believe is appropriate - Integrity, Teamwork, Excellence and Respect.







# Project Management

We offer a collaborative and highly bespoke service based upon a well-proven formula for effective and efficient project delivery. Working with our clients, we identify the business and project deliverables before developing the most effective means to deliver the scheme. We provide a full spectrum of project management services from the preparation of business cases to straightforward procurement, design, construction delivery and operation.

We promote a culture to challenge the status quo and work diligently to find the smartest, most efficient and most cost effective solution.

# Design Services

We provide a turnkey multidisciplinary design service aimed at improving Health & Safety, raising Quality, and reducing Environment impact. Our experienced mechanical, electrical, civil and process engineers aim to provide an all-inclusive design solutions that reflect an understanding of the full project lifecycle.

We promote the use of Building Information Modelling (BIM) to develop concepts so that stakeholders can understand all of the construction and operational aspects. BIM enables our engineers to develop 'Build off site' modules which reduces Project timescales and provides a lower carbon footprint.

# Supply Chain

We strive to develop long-term working relationships with our Supply Chain Partners, therefore we look for similar like-minded businesses and management teams that are passionate about continuously delivering on Health & Safety excellence, Corporate social responsibility, Ethical procurement, Innovative development and High quality services.

---





## Off Site Fabrication

We recognise the importance of reducing the carbon footprint associated with construction projects therefore we actively promote the use of Off-Site fabricated modules which we are able to facilitate by utilising our fabrication and engineering workshop which provides 9,000 ft<sup>2</sup> of internal manufacturing area and 17,000 ft<sup>2</sup> of secure external storage area. Off-Site fabricated modules not only reduce embodied carbon but can significantly reduce on-site construction programmes.

## Construction Delivery

We provide mechanical, electrical, civil and process engineering services for the safe and efficient construction of either standalone or integrated projects, whereby we are able to act as CDM Principal Contractor or as a sub-contractor. Our workforce are trained to Nationally recognised standards such as Construction Skills Certification Scheme [CSCS], Safety Health and Environmental Awareness [SHEA], National Water Hygiene [EUSR], and City & Guilds Confined Space.

## Commissioning

Our commissioning capability ensures that our process treatment plants are put into service so that operational costs are optimised from the outset whilst ensuring process performance. Operator training is an integral requirement to ensure the continual performance of any process treatment plant therefore we provide certificated training programmes which include modules for process theory and practical demonstration.







## Metalwork Fabrication

We have the in-house capability to provide metalwork fabrication service from the production of emergency component parts to the planned fabrication of a complete turnkey solution in either Carbon Steel, Stainless Steel or Aluminium.

Our workshop is full fitted out with overhead cranes, centre lathes, brake presses, pillar drills, guillotines, bandsaws, and vertical milling machines which provide us with the flexibility to fabricate everything that we require in an efficient and effective manner.

- Tanks and vessels
- Structural support frames
- Walkways and staircases
- Brackets and supports
- Pipework and fittings
- Launderers and channels

## MEICA Installation

We provide a range of on site mechanical and electrical installation services utilising our highly experienced engineers who are not only equipped with the skills and the required accreditation, but with the independence of thought and ability to innovate, whilst maintaining quality, health & safety and environmental impact.

- Tanks and vessels
- Launderers and channels
- Walkways & staircases
- Flowmeters
- Pipework & fittings
- Local control panels
- Structural support frames
- Scraper bridges
- Brackets and supports
- Inlet screens





## Wastewater Treatment

The Brightwater™ HSAF plant provides a versatile static bed process, using the B-Max® floating media, which can be configured for biological wastewater treatment in aerated mode or as a suspended solids filter in unaerated mode. These versatile unit offers the following advantages:

- High quality effluent
  - Flexible delivery
  - Small footprint
  - Ammonia or solids reduced
  - No sludge build up
  - Available to hire
  - Low power usage
  - User friendly
- 

## Aeration Systems

We have many years experience in providing complete aeration technology systems - design, supply, installation and commissioning. Our scope includes the blowers, valves, diffusers, instruments, air pipework and control panel.

As a total solution provider, we provide efficient and effective fine bubble solutions on either new build or retrofit refurbishment installations whereby we can utilise our own Brightwater™ B220 fine bubble diffuser or we are happy to utilise others if the application suits.

- High system efficiency
- Integral non-return valve arrangement
- Fine & course bubble
- Disk tube & strip diffusers
- EPDM membrane
- Low maintenance



**FLI Water Limited**

Regent House, Wolseley Road  
Kempston, Bedford, MK42 7JY, UK

**Phone** +44 (0) 1234 852900  
**Fax** +44 (0) 1234 304010  
**Email** [info@fliwater.com](mailto:info@fliwater.com)  
**Web** [www.fliwater.com](http://www.fliwater.com)

---

**FLI Group**

FLI International Limited  
Six Cross Roads Business Park  
Carriganard, Waterford, Ireland

**Phone** +353 (0) 51 353190  
**Fax** +353 (0) 51 353177  
**Email** [info@fli-group.com](mailto:info@fli-group.com)  
**Web** [www.fli-group.com](http://www.fli-group.com)

**FLI Energy Limited**

Regent House, Wolseley Road  
Kempston, Bedford, MK42 7JY, UK

**Phone** +44 (0) 845 6886065  
**Email** [info@fli-energy.com](mailto:info@fli-energy.com)  
**Web** [www.fli-energy.com](http://www.fli-energy.com)

**Vertase FLI Limited**

Number One, Middle Bridge Business Park  
Bristol Road, Portishead, Bristol, BS20 6PN, UK

**Phone** +44 (0) 1275 397600  
**Fax** +44 (0) 1275 397601  
**Email** [info@vertasefli.co.uk](mailto:info@vertasefli.co.uk)  
**Web** [www.vertasefli.co.uk](http://www.vertasefli.co.uk)

**FLI France SAS**

21, rue Christophe Plantin, Z.A. La Haute  
Limougière, 37230 Fondettes, France

**Phone** +33 (0) 247 428282  
**Fax** +33 (0) 247 499730  
**Email** [info@flifrance.com](mailto:info@flifrance.com)  
**Web** [www.flifrance.com](http://www.flifrance.com)

Your **Sustainable Solutions** Partner

