



Specialists in design,  
fabrication and installation  
of scraper bridges



**Mild Steel Fabrications / Stainless Steel Fabrication  
Filtration / Washwater Booster Sets / Ultrasieve  
Settlement Tank Scrapers**

[www.gse.ltd](http://www.gse.ltd)



## SPECIALISTS IN DESIGN, FABRICATION AND INSTALLATION OF SCRAPER BRIDGES

Using cutting edge design software and fabrication techniques to deliver top quality products to our customers on programme and on a budget.

### Settlement Tank Scrapers



GSE specialise in the design, fabrication and installation of half, three quarter and full bridge scrapers. Using the latest 3D CAD technology our bridges are designed to the latest WIMES standards for use in Primary (PST), Final (FST) and Storm Tank processes.

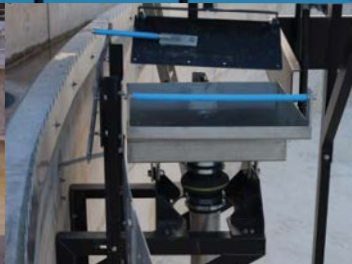
Our extensive experience enables us to offer quick lead times with optimum bridge and scraper design to suit load conditions and differing tank configurations.

GSE offers a complete solution from design, testing, full installation and servicing using our own experienced mechanical fitting teams.

With our tried and tested engineering methods we have produced scraper bridges up to 50 metres long and are proud to have installed some of the largest scraper bridges in Ireland.

### Scraper Bridge Accessories:

<b>Launder Troughs</b>	Specifically fabricated in GRP or Stainless steel
<b>Scum Removal System</b>	Numerous scum removal options
<b>Drive Traction Options</b>	Heat lamps, anti slip running surfaces
<b>Lifting Davits</b>	Equipment removal
<b>Greasing Systems</b>	Manual or Automatic Greasing System for slew-ring bearings
<b>Access Walkways, Stairs, Ladders</b>	All produced to current standards and CE marked
<b>Monitoring Equipment</b>	Provision for client instrumentation



## Mild Steel Fabrication

GSE is renowned for its quality mild steel fabrications and track record of high levels of repeat business from existing customers. This is due to our commitment to maintain the highest standards and using the latest equipment and design technology.

Certified to EN1090 Ex3 we can offer a wide range of structural fabrications.



## Stainless Steel Fabrication

GSE have been supplying stainless steel solutions into a wide customer base. Working closely with each customer we are able to offer a design, fabrication and installation service.

Our range of products include pipework systems, storage and mixing tanks, architectural balustrades and handrails to customers individual requirements, bar screens, troughs and weir plates.

Our state of the art design and drawing service also allows us to offer a wide range of bespoke items that are produced by our highly qualified fabrication team.



## Filtration

GSE offers in-house filtration solutions using an extensive range of zero defect stainless steel meshes, which have been developed specifically for the demanding applications that our customer base requires. We also remesh existing filters to customers specifications. Our filters are used in the oil, powder, gas, water and dairy industries.

We also produce drum screens and run down screens using wedge wire technology. These screens offer a cost effective method for the removal of suspended solids in many types of processing including meat processing, offal processing, plant effluent and sludge screening.





Graham Steelworks & Engineering Ltd (GSE) is a steel fabrication business located in Mallusk, Northern Ireland. The company has expanded and diversified, using cutting edge design software and fabrication techniques to deliver top quality products to our customers on programme and on a budget. We take great satisfaction from designing and fabricating solutions to solve our customer's problems.

## CE Marking



GSE are proud to announce that we can CE Certify any structural fabrications that we produce. GSE is certified Execution Class 3.

The 'CE' certification demonstrates that GSE now have the requisite Factory Production Control system in place and fully operational. This verifies compliance with the detailed requirements of BS EN 1090:1 and BS EN 1090:2. Compliance with the requirements of CE Marking has become mandatory across the entire UK since July 2014.



### What is CE Mark?

As with all items sold in the EU, they must have the commonly known 'CE' certification. This is now the case for structural steel. It has been introduced to harmonise the standard and quality throughout the EU.



Certification became mandatory in the UK in July 2014, from which time it became illegal to sell structural steelwork in the UK or Republic of Ireland that does not carry the CE Mark. CE Marking is not allowed unless the Factory Production Control (FPC) system under which they are produced has been assessed by a suitable certification body that has been approved by the European Commission.



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