

A male worker wearing a black hard hat with 'G&H' on it and a black jacket with 'G&H FABRICATION' on the chest is working on a large, complex industrial machine. The machine has many bolts and flanges. The scene is lit with blue light.

G&H

ENGINEERING SERVICES

**TIME SAVED, COSTS CUT,
QUALITY INCREASED**



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INTRODUCING G&H ENGINEERING SERVICES

The need for construction projects to be completed on time and budget in the most efficient way is more crucial than ever.

As such, we provide specialist fabrication of all MEP-specific building services equipment and complement this with full electrical process engineering to offer a complete solution.

This ensures quality is improved; time is saved; costs are cut; productivity increases; bespoke designs created; safety improved; more space freed on-site; and, the environmental impact is reduced.

Our BIM-led schemes operate from a purpose-built, 17,500 sq ft controlled facility.

This is the perfect environment to design, create and test tailor-made products before on-site installation.

G&H Engineering Services is part of the G&H Group – a £55m MEP specialist that also comprises of Building Services, Projects, Maintenance and Air Conditioning divisions.

We work independently for our own direct clients and assist other Group divisions by providing bespoke services for their schemes.

We continue to grow at pace and our approach is to reinforce relationships with established clients and build enduring new ones with like-minded businesses in our key markets across the UK.

James Sherburn
Director
G&H Engineering Services



G&H GROUP

Formed in 1998, the c.£55 million-a-year G&H Group co-ordinates and project manages the entire MEP process.

G&H Engineering Services is one of five complementary divisions in the Group.

We work closely with the other four divisions – Building Services, Projects, Maintenance and Air Conditioning – capitalising on sharing best practice, knowledge and experience.

The Group directly employs over 180 members of staff at its purpose-built headquarters, on sites across the UK and in our specialist off-site fabrication facility.

Sustainable MEP solutions are central to the Group's ethos to help build a cleaner and greener future.

As such we have created our own energy efficient product and brought it to market in the form of Encore, which is the world's most environmentally-friendly cistern being the only one to use air conditioning condensate to flush the toilet.

Our innovation does not stop there.

We were one of the first MEP specialists to include BIM in our everyday operations and have supplemented this in recent years with more investment in technology.

Most recently, we have introduced a class-leading augmented reality app that allows our engineers to see the design team's intended plans – ductwork, pipework, fixtures and fittings – in real time on their mobiles and tablets when on-site.





G&H Building Services

Design and installation of all the MEP services every building needs to operate safely, comfortably and as sustainably as possible. Our focus is always on the people who use the building to create the optimum environment for them to live, work and play in.



G&H Projects

Independent MEP services for schemes valued between £50,000 and £1 million, with extensive experience delivering projects for education facilities. Working directly for end users, building and energy consultants, we also operate as the principal contractor.



G&H Maintenance

Delivering fully compliant planned and reactive maintenance for organisations with large estates across the UK. We have been retained by Leeds City College since 2011 and Bourne Leisure since 2012 to name but two.



G&H Engineering Services

Specialist fabrication of all MEP building services equipment complemented with full electrical process engineering. From simple flanged lengths to 28" stainless steel flue pieces, large skid-mounted plant rooms and components for industrial-scale facilities.



G&H Air Conditioning

We design, build, install and retrofit air conditioning services for all building types and have Mitsubishi, Toshiba and Dakin approved partner status.

SERVICES PROVIDED

Our involvement starts at the concept design stage allowing us to influence, add expertise and deliver a comprehensive range of benefits.

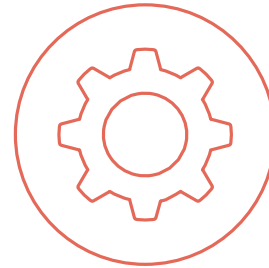
The in-house design team we have created provides detailed schematic drawings of all required works to identify where value can be added and demonstrate where the best solutions can be found.

Our bespoke work sees us deliver an array of fabricated pipework from simple flanged lengths to 28" stainless steel flue pieces, large skid-mounted plant rooms and components for industrial-scale energy generation facilities.

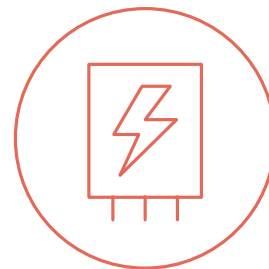
Once designed, manufactured, tested and approved, we deliver, install and connect on-site.



BIM-led design



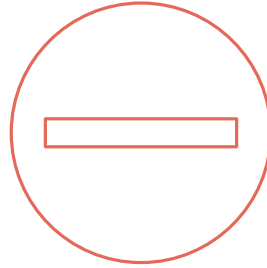
Offsite plantroom manufacture



Electrical process engineering



EV installations



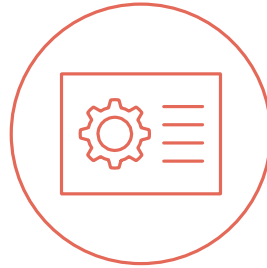
Busbar installations



Fire alarm installation



HV and LV cable design and installation



Control panel design and build



Data and communications



Process control installation



Lighting and small power



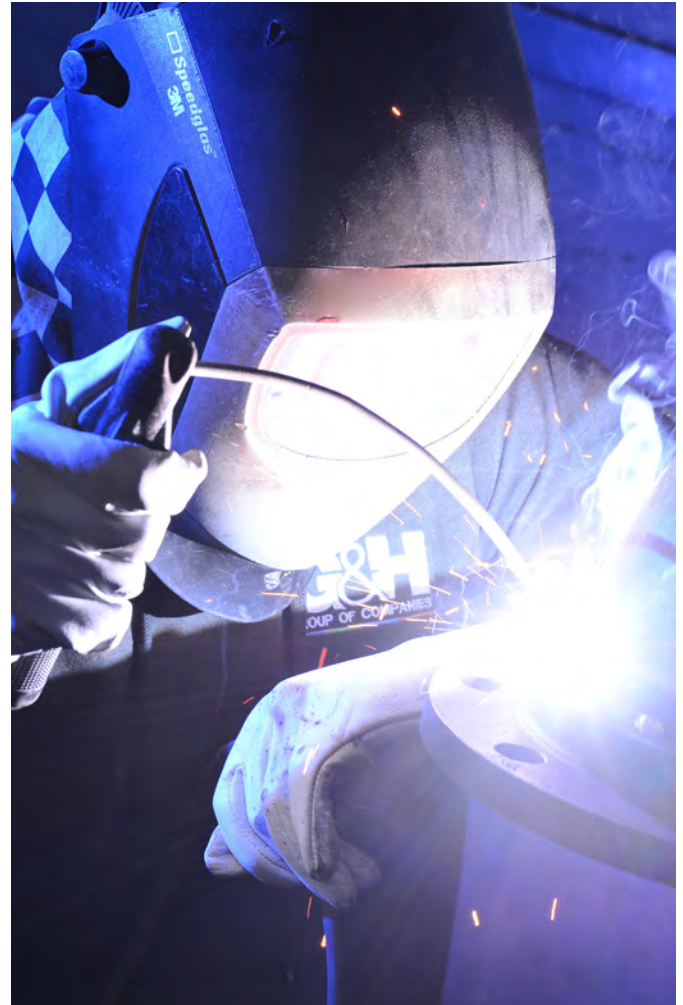
Lightning protection and earthing

OUR APPROACH

Our experienced management team liaises closely with designers, welders, project managers and teams on-site to guide and examine every element of fabrication and electrical process engineering.

Prototyping, thorough checking, non-destructive testing and re-testing is carried out before the assembly process begins.

All work is subject to the highest level of scrutiny before any components leave our premises, providing quality assurance to ensure a superior finish, quicker connections on-site and zero defects once installed.



INSTALLATION

We excel at high-quality delivery on-site via our directly employed team of engineers. All work undergoes rigorous, multi-layered scrutiny by our Quality Control department before handover for increased efficiency and client visibility construction phase

CONCEPT

The earlier we are involved in a project, the more value engineering we add.

FEASIBILITY

We undertake detailed feasibility into MEP, sustainable and pre-fabricated options. This is formally presented with cost advice to aid client decision-making

DESIGN

Our experienced, fully qualified in-house design engineers cover all aspects of fabrication and electrical services, saving time and money while ensuring any construction conflicts are resolved in the pre-construction phase



OUR PROCESS

SPECIFICATION

Detailed specifications and contractor proposals are presented with the most appropriate plant, equipment and systems proposed for each scheme

PERFORMANCE AND COMPLIANCE

We are fully compliant with all British and European standards throughout our process from design to installation

COST ANALYSIS

Using nearly a quarter of a century of project delivery cost data, we provide detailed fee support and analysis

OUR PEOPLE

Our entire workforce is employed directly, has great experience and is highly skilled.

All our prefabricators are coded in a range of materials including stainless steel, carbon, duplex and all structural grades.

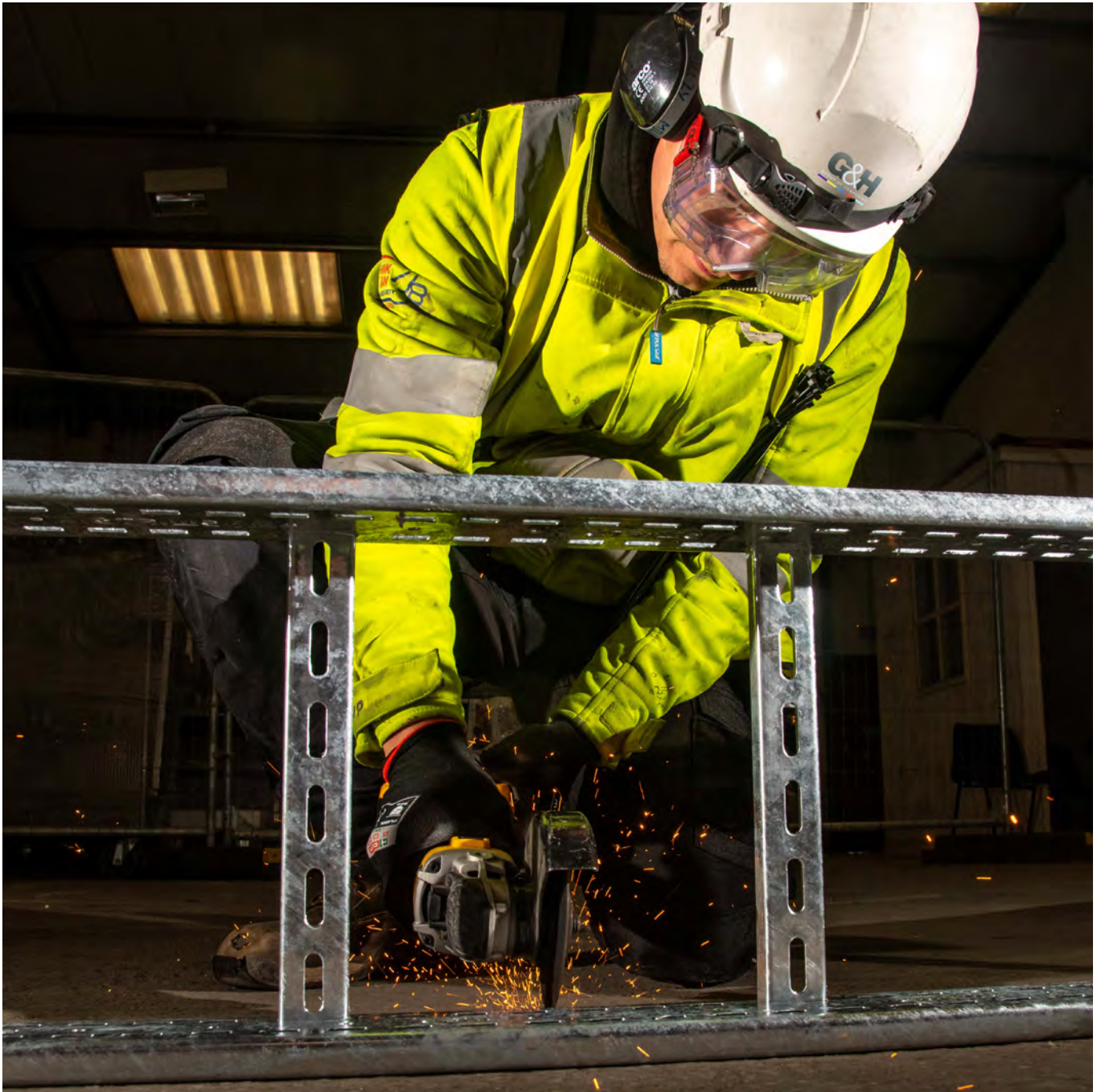
By investing heavily in training and providing high-quality career development opportunities, we retain a high level (95%) of our workforce, significantly above the industry average.

All on-site staff wear branded uniforms and comply with the highest levels of health and safety to make them safe, easily identifiable and accountable.

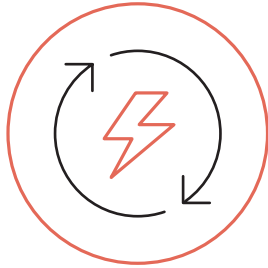
The safety of our people and the environment in which they operate is of paramount importance.

We create controlled conditions and commit large resources – financially and culturally – to make health and safety our top priority, first and foremost.

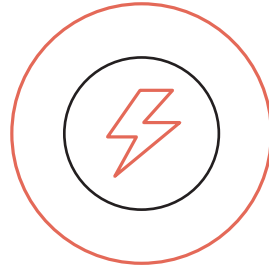




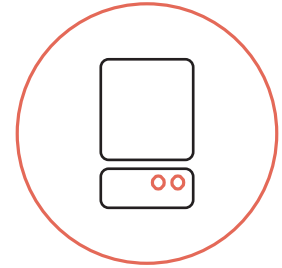
SECTORS



Combined
Heat and Power



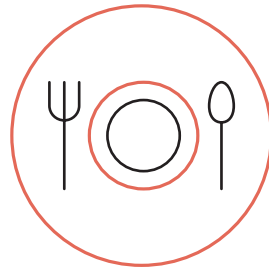
Power



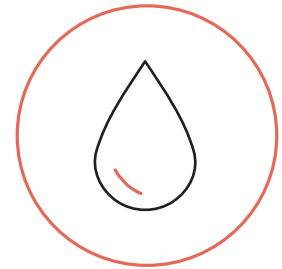
Energy



Healthcare



Food and beverage



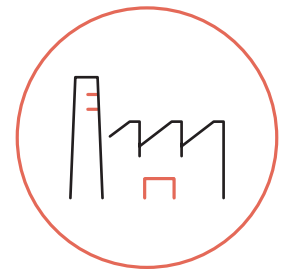
Water



Horticultural



Education



Industrial

CASE STUDIES



CASE STUDY LIME KILNS



FULL

fabrication and electrical process engineering

200m

of underground gas pipework installed

ALL

pre-fabricated off-site

DELIVERY

connection and on-site testing

INSTALLATION

defect-free



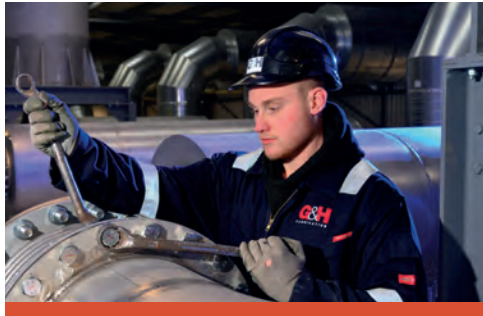
KEY FACTS

Project: 20MW containerised generation
Value: £270,000
Duration: 12 weeks

CASE STUDY LIME KILNS



CASE STUDY SELBY CHP STOR



HEADLINES

20 MEGAWATT

fabrication and electrical process engineering

80%

of underground gas pipework installed

10 TONNES

pre-fabricated off-site

EIGHT

connection and on-site testing



KEY FACTS

| | |
|-----------|----------------|
| Project: | Selby CHP STOR |
| Value: | £580,000 |
| Duration: | 20 weeks |

CASE STUDY SELBY CHP STOR



CASE STUDY MÜLLER



FULL

fabrication and electrical process engineering

M&E

pre-designed to reduce on-site works

PRE-FABRICATED

gas, steam and LTHW off-site

DELIVERY

connection and on-site testing

INSTALLATION

defect-free



KEY FACTS

Project: M&E installation of 3 x 2.5MW containerised generators
Value: £600,000
Duration: 17 weeks

CASE STUDY MÜLLER



CASE STUDY GLW FEEDS



HEADLINES

FULL LV & HV

fabrication and electrical process engineering

DEFECT FREE

pre-designed to reduce on-site works



KEY FACTS

Project: 1.569KW CHP and Steam Boiler
Location: Loughborough
Duration: 8 weeks

CASE STUDY

GLW FEEDS



BUILDING FUTURES TOGETHER

We created community interest company Building Futures Together (BFT) to help school pupils experience the construction industry before choosing their GCSEs.

BFT works closely with secondary schools in Leeds and Bradford to provide career guidance and opportunities.

The aim is to help Year 9 and 10 pupils forge careers in construction, especially those who are hard to engage with at school, don't know what they want to do when they leave and those who have fallen in with the wrong crowd.

By engaging with pupils early, they have time to choose relevant GCSE subjects that will help them find an apprenticeship or jobs in construction when they leave school and give them something to work towards.

BFT runs courses in six week blocks with time spent in schools and in G&H Group's purpose-built Apprentice Training Academy at our Pudsey headquarters.

Courses cover a range of issues including measuring and drawing plans, practical sessions such as radiator and wash basin installations, calculating materials needed, creative problem solving decision-making and communication skills.

As well as helping pupils forge careers, BFT helps pupils improve their self-esteem, ambitions, attendance rates, literacy and numeracy, self-awareness, behaviour, attitude and empathy.

More details can be found here:

[Helping pupils forge sustainable careers](#)





CORPORATE SOCIAL RESPONSIBILITY

Helping local people, groups and our community is vitally important to G&H Group and we have a long and proud history.

WORKING IN SCHOOLS

Having delivered an extensive number of education facility schemes, we take the opportunity to explain to pupils the building services we install – especially sustainable technology – by holding special learning sessions so they get to see the practical side as well as the theory.

CHARITY FUNDRAISING

We have a long history supporting various charities through fundraising activity including St Gemma's Hospice, St James's Hospital, St Leonard's Hospice, Yorkshire Cancer Research, Blood Cancer UK and Macmillan Coffee Morning. Our chosen charities are:

1. Motor Neurone Disease (MND) Association
2. Prostate Cancer UK
3. MIND

FARSLEY CELTIC GIRLS FOOTBALL CLUB is a thriving team giving girls the chance to play and improve their footballing skills. We are the long-term shirt sponsors of the girls' under-13s team and have funded various pieces of expensive equipment for the club as it goes from strength-to-strength.

RODLEY CRICKET CLUB is another local sports club that promotes participation among young people that we are delighted to support. We are the shirt sponsors for the under 7, 9, 11, 13 and 15 sides helping raise vital funds for the club's grassroots teams.

LEEDS RHINOS is one of the biggest clubs in the world of Rugby League and allows us to provide funding that ultimately helps its charity, the Leeds Rhinos Foundation, which delivers projects in the heart of the community to make a lasting, positive impact on peoples' lives.

COMMUNITY SUPPORT

We also provide funding and support for various community groups including Swinnow Lane Community Centre, Pudsey Carnival and The Rotary Dragon Boat Race as well as G&H Maintenance providing pro bono services for two Sue Ryder hospices.





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