

Providing Engineering And Resourcing Services  
To The Global Energy Sector



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

# About Us



Founded in 2017, MGH Offshore has quickly become the go to engineering and resourcing provider to the global energy sector.

Led by a team of highly respected and industry recognised professionals and accredited to ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, NFPA and F-Gas, MGH Offshore provides engineering and resourcing support across the full project life cycle, delivering a turnkey solution across eight core service streams comprising Planning, Engineering, Procurement, Construction, Testing and Commissioning, Operations and Maintenance, Fire and Gas Systems and Substation Management.

Delivering across the globe and recognised as a market leader in providing engineering and resourcing support to the global energy sector, MGH Offshore has worked on some of the world's most high-profile projects including Triton Knoll, Hornsea 1 and 2, Saint Nazaire and the UK's largest floating windfarm, Kincardine.

With floating wind predicted to comprise 20% of new offshore wind projects by 2030, MGH Offshore has quickly established a pedigree for delivering unequalled engineering and resourcing support to this complex, highly regulated and environmentally challenging industry.

MGH Offshore prides itself on providing clients with unrivalled service levels delivered by the very best and most highly specialised industry talent.



# Services

Providing services to the global renewables industry, MGH prides itself on delivering engineering and resourcing solutions that meet the demands of the entire project lifecycle.



Planning



Engineering



Procurement



Construction



Testing & Commissioning



Operations & Maintenance



Fire & Gas Systems



Substation Management



Battery Energy Storage Systems



Turbines

The Go To Engineering  
And Resourcing Provider  
To The Global Energy  
Sector





A Team Led By Highly  
Respected And  
Industry Recognised  
Professionals

# Planning



Providing clients with a comprehensive planning service, MGH ensures seamless project delivery from initial scope to project close.

Managing everything from project scheduling - including vessels, manifests and cargo - through to integration and cost management, MGH delivers robust project planning that ensures client specifications are delivered against, deadlines are achieved, and budgets are met.

# Engineering



Offering a vast range of electrical and mechanical services to clients across the globe, MGH provides engineering and resourcing support to the renewable energy sector including many of the world's most high profile fixed and floating offshore windfarm projects.

The team provide clients with the flexibility to manage resources offering a range of options from support for existing project teams through to fully outsourced delivery.

# Procurement



Access to international procurement resources enables MGH to leverage cost efficiencies that secure improved value for clients.

From sourcing and negotiation to purchasing, receipt, inspection, and recording, MGH works with supply chains to drive savings that benefit clients and which provide the reassurance of a supply chain operating profitably and ethically.

# Construction



Providing an extensive range of electrical and mechanical services to clients, spanning initial concept and design through to construction, commissioning and energisation, MGH works across the globe providing engineering, construction and resourcing support to many of the world's largest renewable energy projects.

Offering a range of options from engineering and resourcing support that enhances existing teams through to full project delivery, MGH provides clients with complete flexibility to manage resource requirements.





Unequalled Engineering  
And Resourcing Support To  
The Global Energy Sector

# Testing & Commissioning



MGH supports clients across the complete testing and commissioning life cycle from initial strategy development through to testing, commissioning and project energisation.

From one day projects to large scale assignments, MGH provides specialist and technical personnel who can either integrate with existing project teams or deliver an end-to-end service offering comprising project development, construction and operation and where manpower is fully outsourced.

# Operations & Maintenance



Providing a comprehensive operations and maintenance service to clients, from management and budgeting to operational delivery MGH provides engineering and resourcing support that extends asset life cycles, avoids unplanned shutdowns, cuts maintenance costs and, most importantly, keeps workers safe.

# Fire & Gas Systems



A market leader, MGH boasts some of the very best industry talent, delivering fire protection and detection solutions to the global energy sector. Working with clients to drive solutions based on optimal design and best in class equipment, combined with industry leading installation and service, MGH provides a range of fire protection and detection services. These include:

- Full system design, installation, commissioning, operation and maintenance including fully automated fire and gas control detection systems integrated with all aspects of an offshore asset.
- SIL3 capable Programmable Logic Controller (PLC) systems sending immediate SCADA communication, activating emergency shut down and the launch of fire suppression agents.
- Market leading helideck fire safety protection and, for unmanned installations, a complete Deck Integrated Fire Fighting System (DIFFS) comprising helideck flame detectors and lighting systems, remote video station, detection and activation panels.
- A range of firefighting foam inert gas including Inergen, Novec, FM200, CO2 and Argonite, ensuring fires are quickly and effectively extinguished whilst delivering environmental benefits, space and cost savings through minimal or no ozone impact, nominal storage and low refill costs.



# Substation Management



MGH has become an industry recognised service provider for HUC – Hook-Up & Commissioning services on offshore wind farm substations. Our scope includes engineering, procurement, installation, and commissioning of offshore high voltage substations spanning over many years.

At MGH we continue to deliver projects on time, incident free and providing the client assurance on a successful project execution.

Providing a turnkey service from black starts to installation, testing and inspection to commissioning and ongoing service maintenance, MGH's highly skilled team works to ensure offshore substations continue to provide safe, sustainable and cost-effective electricity generation.

## Consultancy

MGH's consultancy service provides a wrap around offering to clients.

From design to construction, operation and maintenance to decommissioning, clients are reassured that from initial concept to asset end of life, MGH provides engineering and resourcing support that ensures project delivery is consistently optimised.





## Technical & Engineering Services

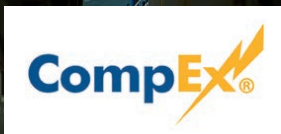
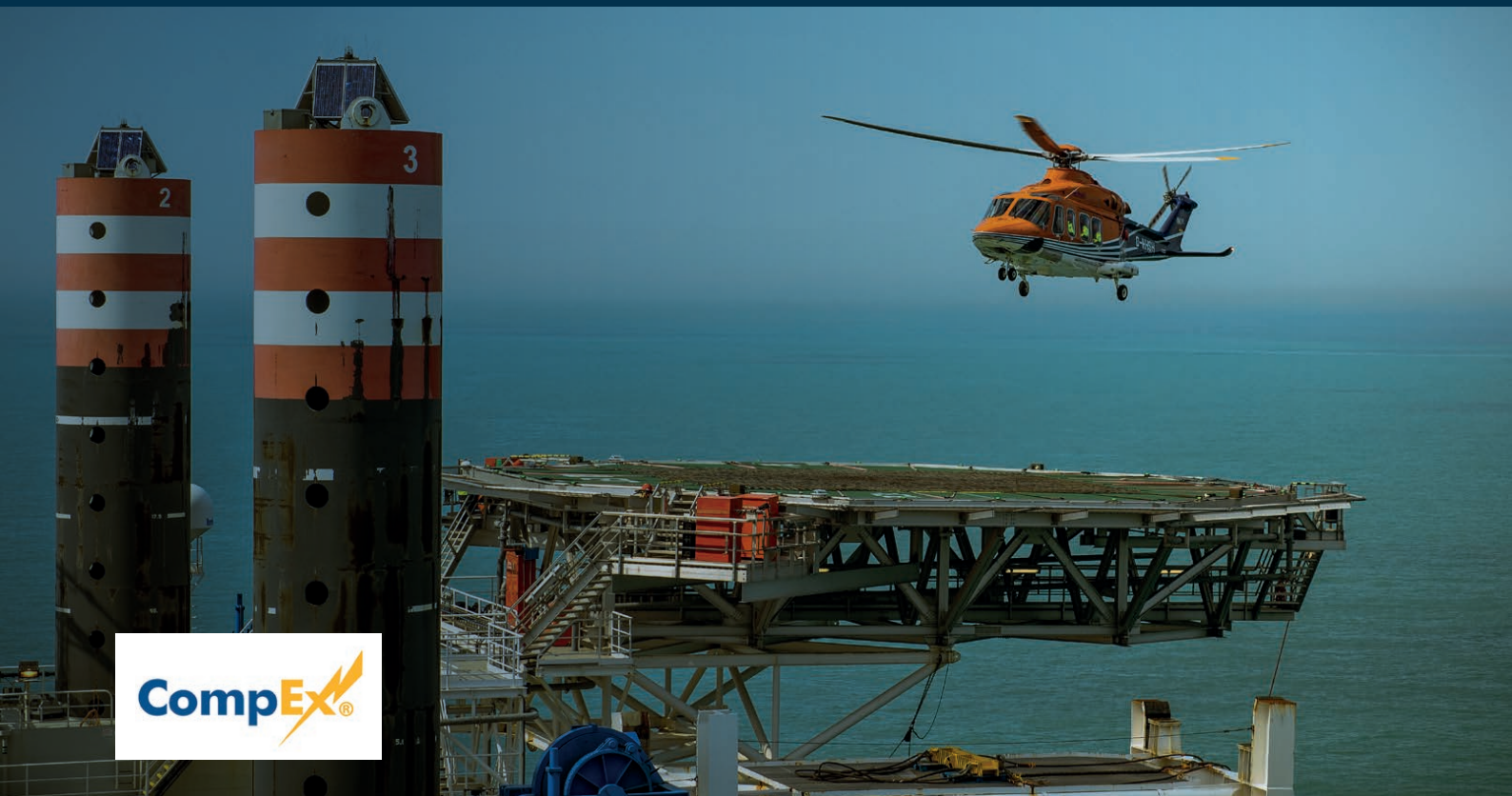
With a talent pool comprising some of the industry's most qualified and respected individuals, MGH provides clients with engineering teams that quickly and effectively blend with existing project resources or operate as a fully outsourced service.

From project planning and management, installation and inspection, through to testing, commissioning, auditing and fire detection, MGH provides support throughout the project life cycle to ensure offshore fixed and floating windfarms continue to operate effectively and efficiently.

## Resourcing

Providing highly skilled teams to the fixed and floating offshore wind industry, MGH has extensive experience in rapidly mobilising offshore personnel to ensure client resource requirements are met at every stage of the project lifecycle.

With some of the most qualified teams in the industry, MGH guarantees client resource needs are met quickly and efficiently with zero downtime and where plant operation and profitability remains the priority.



# Battery Energy Storage Systems



MGH provides specialist Electrical and Mechanical services to the Energy Storage sector, from HV elements down to component level, across the globe.

From early collaboration with developers focusing on constructability and installation, through to commissioning, operation and maintenance, MGH delivers the technical knowledge to ensure the optimal solution and seamless project delivery.

## HV, MV & LV Electrical and Mechanical services

The successful delivery of Energy Storage Electrical and Mechanical works demonstrates MGH expertise in delivering complex energy infrastructure projects.

- Ground Level & Multi-Tiered Containment Systems
- Cable Installation & Termination
  - HV & MV (185mm<sup>2</sup> – 800mm<sup>2</sup>)
  - PCS - BATTERY Unit DC Links
  - LV, Multi-core, CAT5/CAT6 & Fibre
- Balance of Plant
- ITP, Mechanical Completion, Testing and QA Pack Compilation.

# MGH



# Turbines



MGH provides the experience and capabilities to support with turbine maintenance across both the onshore and offshore industries.

Experienced in delivering maintenance on electrical and mechanical components from many of the world's leading turbine manufacturers, MGH provides repair, maintenance and replacement programmes that ensure turbines continue to operate effectively and efficiently.

## Ensuring Efficient Turbine Operation

MGH provides O&M expertise across both onshore and offshore wind installations, including areas such as turbine operation and service to multiple OEM brands, electrical transformer installation and maintenance and scheduling and fault finding services, with a focus on maintaining the highest standards of efficiency and reliability.

# MGH





# Fabrication and Storage Facility

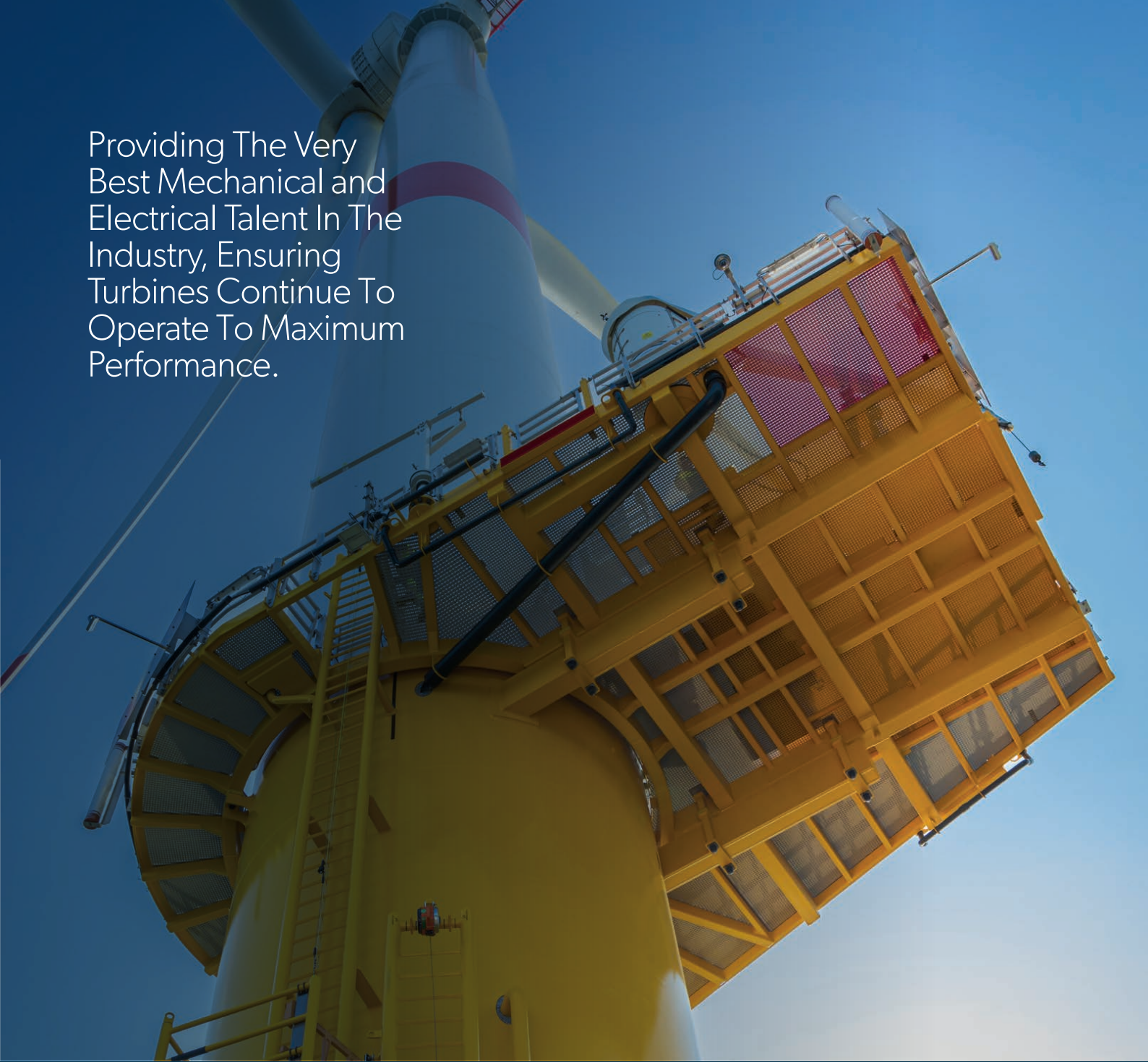
MGH, Headquartered in the Northeast of England, has invested in facilities located in close proximity to major Renewable project developments, major road access routes and port infrastructure.

## Supporting the Renewable Energy Sector

MGH maintain the capability to support off-site fabrication, component testing and storage. Capabilities include:

- 1.6 Acre site
- 16K sqft Fabrication Workshop
- Small scale Paint & Blast Facility
- HVAC O&M and Testing
- F-Gas accreditation.





Providing The Very  
Best Mechanical and  
Electrical Talent In The  
Industry, Ensuring  
Turbines Continue To  
Operate To Maximum  
Performance.



# Support Across The Full Project Life Cycle

With unrivalled experience across fixed and floating offshore wind, battery energy storage and the wider renewables sector, MGH supports clients across the full project life cycle with industry leading engineering and resourcing support. With an extensive and highly experienced back-office team available 24 hours a day, seven days a week and with offices in both the UK and America, MGH ensures a rapid mobilisation response to client resource needs.



Unrivalled Service Levels  
Delivered By The Best And  
Most Highly Specialised  
Industry Talent



# Support Across The Full Project Life Cycle



# MGH



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