

# Maritime Division

## Capability Statement



FRANKHAM



Bringing Ideas to Life





## Introduction

**Frankham Consultancy Group provides a full range of design and consultancy services to the built environment. The company exists to improve the surroundings in which we all live and work.**

Our belief is simple – use intelligent ideas to create human benefits. From environmentally sustainable buildings to individual commissions, our projects have one thing in common...

*...they improve peoples' lives.*

The company provides a full range of design and consultancy services to the built environment in the following sectors:

- Industrial
- Maritime
- Central Government
- Local Government, including:
  - Education
  - Housing
  - Highways
  - Civic Buildings
- NHS and Private Healthcare
- Rail Industry
- Defence (M.O.D.)
- Emergency Services
- Retail and Leisure
- Commercial

We provide a truly integrated capability, providing all professional disciplines and a range of specialist services from within. Using directly employed staff allows us to take a holistic view of all the elements of each individual service, and their impact on every stakeholder of every project.

“The last 37 years have been the most fulfilling of my life and I look back over that time with immense pride. We have worked hard as a team to become a leading built environment consultancy. This has been achieved with the help and talent of our people, our clients and our suppliers, who are all part of the company we are today.”



**Steve Frankham MBE**  
Chairman





## Maritime Division

### Maritime Division

The department offers independent, objective advice and services covering a wide spectrum of projects. The maritime engineering team supports clients with the identification of failures or repairs of marine structures such as pontoons, jetties, piers, locks and industrial moorings.

Our team is made up of highly experienced engineers who can suggest an effective solution to a client whose business relies upon a quick and accurate response. Details of the services that we provide are covered in the following pages.





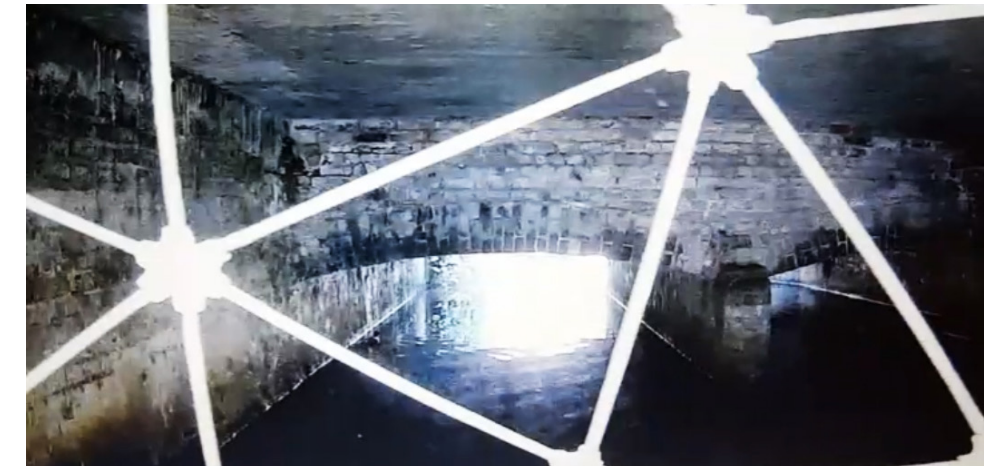


## Marine Structural Inspections, Assessments & Asset Management

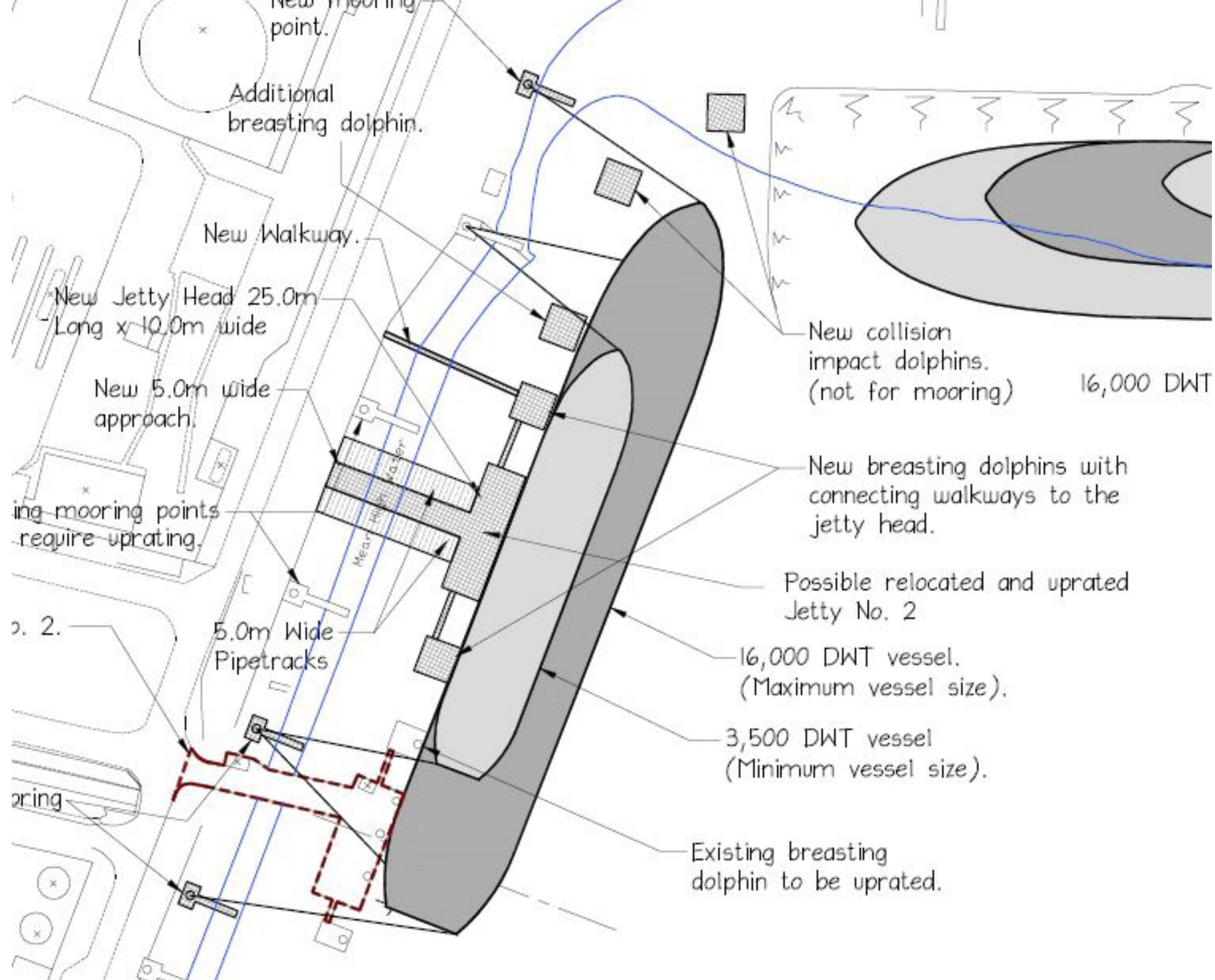
Frankham can provide the complete package in terms of coastal and waterfront inspection services. Our marine engineers conduct various levels of inspections on a range of structures such as jetties, pontoons, piers and sea walls for clients throughout the UK as well as providing design of necessary repairs. We recommend, plan and conduct surveys to significantly reduce project costs and facilitate development by collecting fit for purpose data.

Inspections are typically carried out by work boat and on foot however through use of our trusted supply chain, we can now offer inspections by:

- underwater (diving/hydrographic/scour sounding/CCTV)
- unmanned aerial vehicle (UAV)
- rope access
- non-destructive testing and sampling
- Bed sampling
- Vessel mounted laser scanning



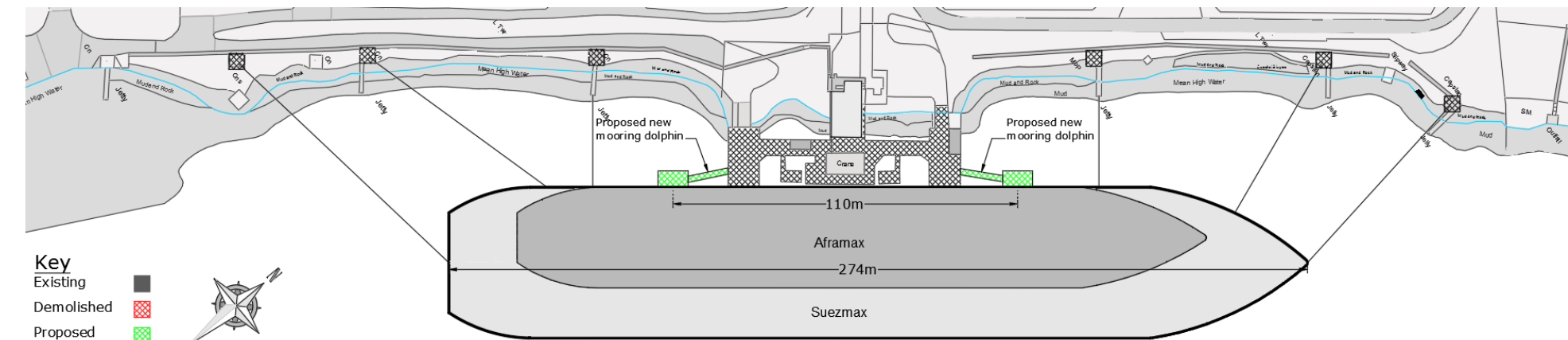




## Feasibility Studies

By following our feasibility study process we can ensure that the following steps are taken when completing feasibility studies:

- Stakeholder engagement – through a culture of listening and solving problems we seek to obtain co-operative buy-in from all interested parties to facilitate development.
- Flexible resourcing and expertise – our professionally qualified engineers, planners and health and safety consultants can ensure cost-effective and fast results on projects that capture sustainable values.
- Quality assurance and discipline integration – reviews at various stages of feasibility and design ensure that quality and inter discipline compliance is achieved.



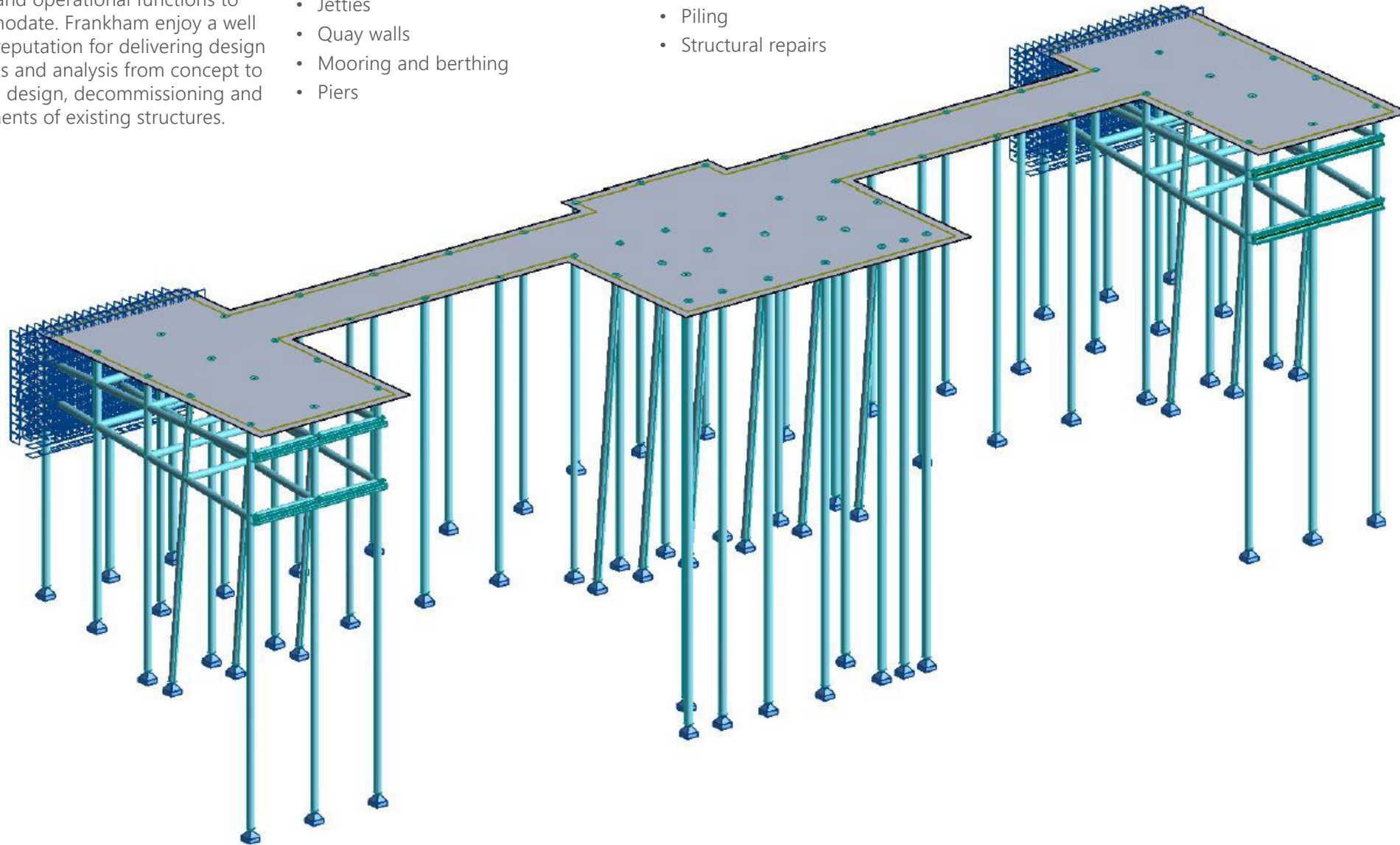


## Structural Analysis & Design

Maritime structures are often located in harsh environments which require specific knowledge and expertise in design and operational functions to accommodate. Frankham enjoy a well valued reputation for delivering design solutions and analysis from concept to detailed design, decommissioning and assessments of existing structures.

Our engineers can provide expert advice on design and construction on projects related to:

- Jetties
- Quay walls
- Mooring and berthing
- Piers
- Pontoons
- Cathodic protection
- Fenders and bollards
- Piling
- Structural repairs



## Maritime Division

### Health, Safety and CDM Guidance

Frankham has extensive experience in providing services as Principal Designer, Adviser to the Principal Designer and the non-regulatory role of Adviser to the Client, but we have also developed our proficiencies and have obtained accreditations with the Association for Project Safety (APS) of APS Registered Practice as a Design Practice, a Principal Designer Practice and as a CDM Adviser Practice.

Our key role within the project team has always been to make the scheme safer to construct, utilise, occupy and maintain. Our experience and understanding mean that we can assist and guide Clients, Designers and Principal Contractors in undertaking their regulatory roles and achieving their responsibilities under the 2015 Regulations.

### Contract Administration & Site Supervision

Our clients often want reassurance that construction projects are being completed on time, within budget and critically, safely. Frankham have extensive experience in contract administration and site supervision that ensures health and safety, progress and financial reporting is provided to the client with no surprises.

We have provided site supervision on projects for various clients throughout the UK including in upper tier COMAH sites.

### Water Framework Directive and Environmental Impact Assessments

Between our in-house maritime expertise and trusted supply chain we deliver impact assessments for our clients. Impact assessments are often commissioned to support consents and marine licences and can vary between water framework directives, hydrology, ecology, navigation and environmental.

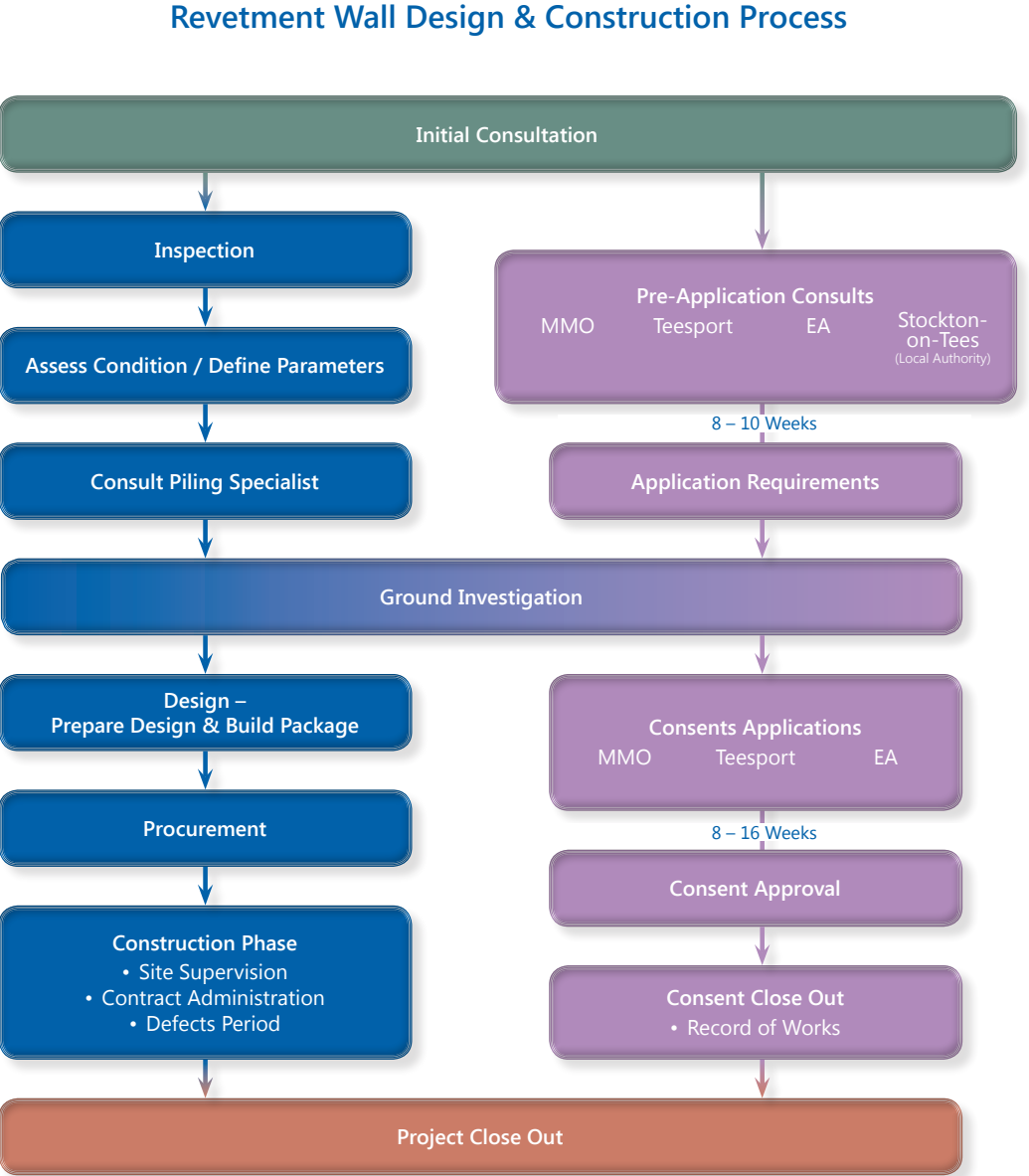


## Consents and Marine Licences

We provide our clients with relevant advice, guidance and support throughout the consent process. We prepare applications for marine consents and permits relating to your project.

Our professionally recognised marine engineers, planners and health and safety consultants are vastly experienced in developing, reviewing and advising on permit and survey requirements.

Almost all projects in a marine environment require certain consents from statutory bodies. These can vary from the local planning and harbour authorities to the Marine Management Organisation and the Environment Agency. The consent process can often be complicated and slow, we strive to help our clients obtain consents in a smooth and timely manner.



## Flood Risk Assessments

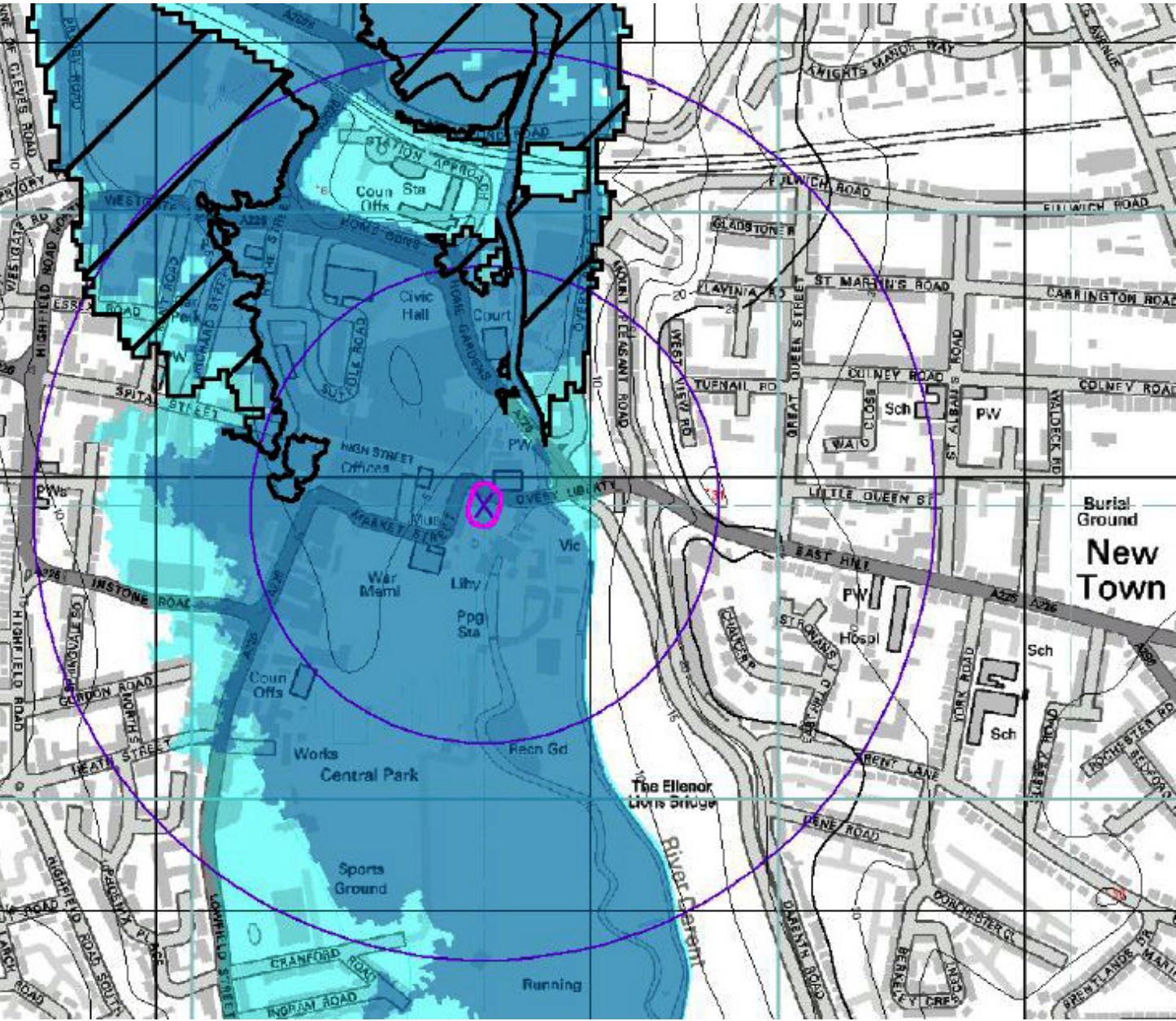
Maritime projects can often have an impact on flooding. Planning authorities often require clients to understand the potential risk of flooding and management of mitigation measures when modifying a site. This will also include the potential impact of flooding further up or downstream of the site.

Our flood risk assessment reports (FRA) outline the risks and mitigation measurements taken for each specific site. The reports outline the potential sources of flooding, site specific risks, consequences, EA requirements and strategic flood risk assessment's (SFRA) requirements, recommendations and guidelines.

The complexity of the report will depend on the type of development and which flood zone the site lies in.

Typically, clients must carry out a flood risk assessment if the proposed works include developments:

- In flood zones 2 or 3.
- On land that has critical drainage problems.
- In areas at risk of flooding from rivers or sea.
- That change the vulnerability classification such as building dwellings on an industrial complex.



Maritime Division





## Maritime Division

### Why use Frankham?

- Single point of contact – multi discipline and trusted supply chain
- Impartial advice and recommendations tailored to non-specialist audiences
- Extension of client resource and knowledge - we can guide and assist
- A safe pair of hands





# Services

Frankham is a multidisciplinary design and consultancy practice providing all the services listed to the built environment. All these services are provided from in-house professional teams.

## Design Consultancy

Architecture  
Interior Design  
Building Services Engineering  
Lift Engineering  
Structural & Civil Engineering  
Maritime & Industrial Engineering  
Master Planning  
Health & Safety and CDM Services  
BIM

## Surveying and Project Management

Area Referencing  
Area Consultancy  
Building Surveying  
Cost Consultancy  
Project Management  
Employer's Agent  
Topographical Surveying  
Measured Building & Laser Scanning

## Environmental Sustainability

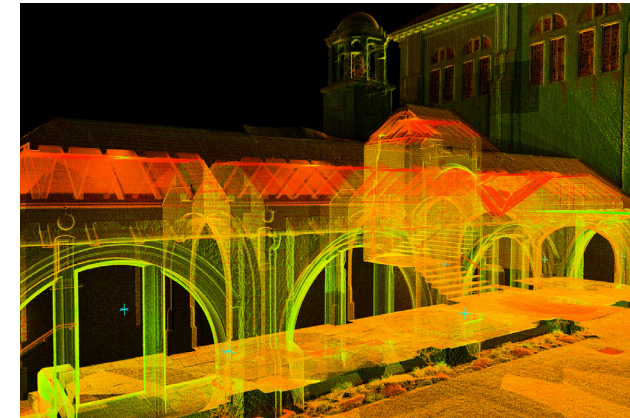
Certification  
Environmental Surveys  
Sustainability Consultancy

## Risk Management

Health & Safety Consultancy  
Fire Management  
Asbestos Management  
Compliance Management  
Water Management

## Specialists

Development Consultancy  
Recruitment  
Drone Surveys





### Development Consultancy

- Full options appraisal including sales and cost forecasts
- Development consultancy, feasibility and strategy
- Site acquisition & disposal advice
- Sourcing land and development opportunities
- Delivery and project management of schemes
- Development funding
- Advice on concept design and detailed design issues
- Bespoke feasibility studies and development appraisals
- Advice on mix of uses and value engineering
- Establishment of joint ventures and development monitoring
- Advice on reconfiguration and refurbishment of existing assets



### Topographical Surveying

Utilising the latest equipment, we establish control networks linked to National Grid co-ordinates via GPS which are used not only for data gathering but for setting-out once designs have been finalised.



### Measured Building & Laser Scanning

Frankham Consultancy Group's Laser Scanning team uses the latest technology to accurately and efficiently capture full 3D spatial data sets, of any subject.

### Interior Design

Interior design incorporates a great deal more than design and we encompass strategic planning to ensure the environment we create responds to meet clients' current and future needs. To achieve this involves creating interiors which are both innovative and flexible.



## Specialist Services

### Lift Consultancy Service

A full in-house lift consultancy service managed within the Building Services Department with a proven track record in all aspects of this discipline including contract administration, refurbishment, replacement and modernisation in occupied premises.



### Maritime & Industrial Engineering

Design and supervision of construction of the different types of structure used in the riverside maritime environment.



### Bridge Assessments and Design

Frankham provides initial and detailed surveys, risk assessments, feasibility proposals, a full design service and engineering support during installation for river, road and rail bridges.

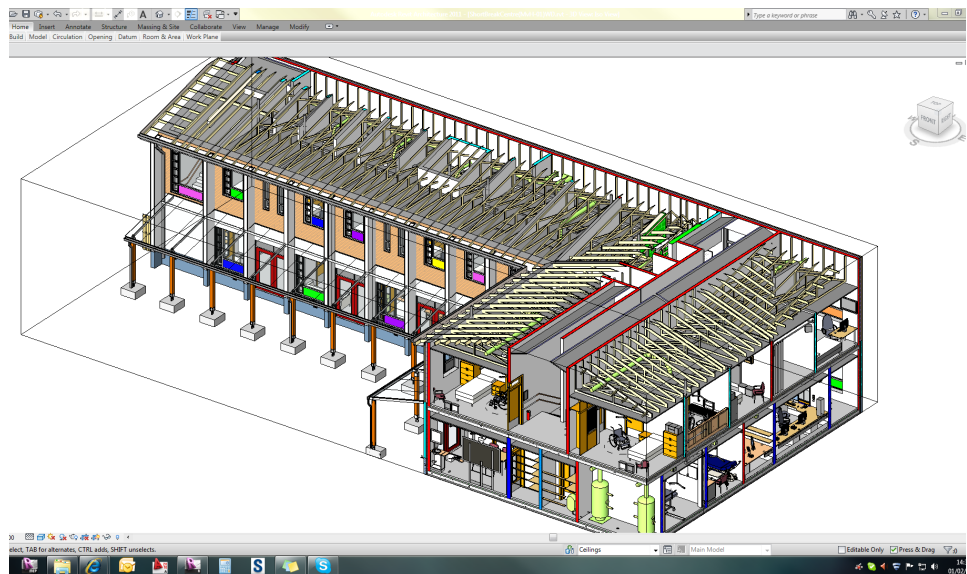
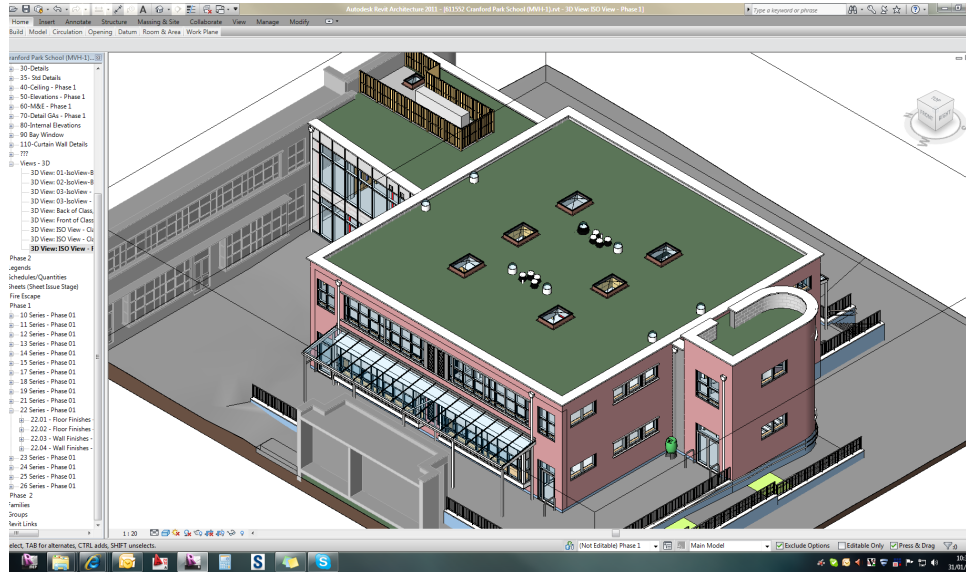
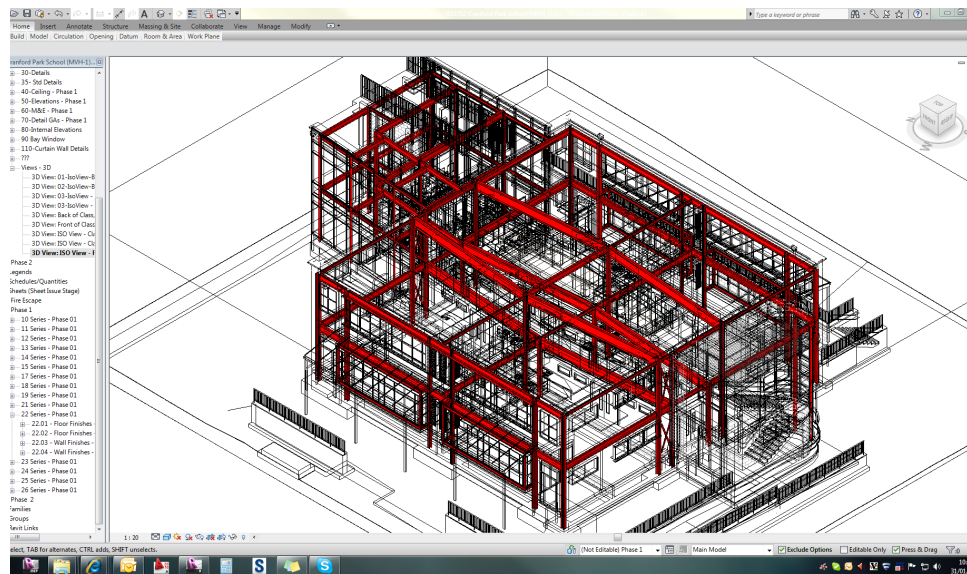




## Building Information Modelling

Frankham's investment in Revit BIM software enables our full design teams to gain a competitive advantage from the outset. These tools enable us to design freely, keep information fully coordinated, nationally and internationally, and deliver more efficiently and to shorter design programmes. The client has the comfort that the project is coordinated and any clash is identified at an early stage and assist in any particular aspect that is being considered by the structural or Mechanical & Electrical design consultants.

Frankham operates AutoCAD 2010-12 CAD systems, the current edition of the National Building Specification (NBS July 2012 update) and subscribes to the IHS Technical Index to ensure that we have access to all current standards and regulations. Frankham can deliver the required project utilising the above programmes which are deemed as industry standard packages. Output information from each of these can be provided as required by the client (e.g. DWG, PDF, DWF etc).



BIM

Strategic Asset Management, Facilities Management and Compliance

## Strategic Asset Management, Facilities Management and Compliance

At Frankham we recognise the importance that strategic asset management plays in the successful delivery of services, on a daily basis, within the wide variety of sectors and clients that we work in and with.

We have a strong background in assisting Facilities Management organisations in a consultative and collaborative basis to understand and implement strategic policies in relation to the portfolio and help client visions become reality.

For successful strategic asset management, a truly multi-disciplinary team is often required to be resourced and this is exactly what Frankham can bring to the table of any project. Our approach is always a double-edged system of complete understanding of the external policies and economics in operation and the individual building fabric and processes in place. Typically we are involved by providing the following services:

- Asset management policy
- and procedural reviews.
- Occupancy and space planning assessments.
- Life cycle costing / Condition Surveys
- (Fabric and plant).
- Energy and sustainability audits and appraisals.
- Statutory compliance risk assessment
- and testing (asbestos, accessibility, fire, legionella, electricity, gas, lifts and
- general health and safety).
- Property 'Health Checks'.
- 'Value for money' and 'Correctiveness
- of cost' auditing.
- Sector – specific surveys and assessments.

We understand all of the decision-making processes which dictate if and how investment is to be made within any property. We understand the requirement to remain flexible in our approach, recognise that future plans may include introducing efficiency savings and to ensure that the best use of a property is always made through complete appraisal of all available options.

We provide our services in-house through our Surveying, Architectural, Engineering, Environmental and Compliance teams in a truly integrated process. Our group accreditations, individual qualifications, personal experience and our on-going investment in our staff help ensure the success of every strategic asset management project that we are involved in.

### Compliance

Frankham Risk Management Services provides authoritative and strategic advice on property legislation, asset management, health, safety, quality and environmental risk management and property and facilities outsourcing, including asbestos, fire, water and gas safety management.

Our services assist all aspects within an organisation and consider risk from Operational, Financial, People and Commercial perspective.

We provide advice on functional business management, compliance auditing and corporate governance.





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Our belief is simple:

Use intelligent ideas to create human benefits.

From environmentally sustainable buildings to individual commissions, our projects have one thing in common.

They improve peoples' lives.

We employ only the most talented staff and use their vast range of skills and expertise to make our combined visions your reality.

## Accreditations and Awards

Frankham Consultancy Group Limited is recognised as a quality driven organisation



Regulated by RICS

### Sidcup (Head Office)

Irene House  
Five Arches Business Park  
Maidstone Road  
Sidcup, Kent  
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020 8309 7777

### Central London

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### Oxford

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Oxfordshire  
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### Stevenage

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