



The Rothen Group  
Maintaining Britain's waterways

# Contract services

DREDGING AND REED CLEARANCE / PILING / MARINAS AND MOORINGS

[therothengroup.co.uk](http://therothengroup.co.uk) 01827 215715



The Rothen Group offer a wide range of Civil engineering and maintenance services on Canals, Rivers, Lakes and Non navigable waterways.

**With extensive experience in carrying out works including:**  
sheet piling, dredging, reed removal, waterway engineering,  
Nicospan bank protection and specialist project advice.

## Piling

**Our expert team can advise you on the best piling methods and materials.**

Our knowledge and pragmatic advice will help you find the best solution for your project, considering both ground conditions and the application of the pile, we can ensure the piling is suited to your needs.

Knowledge of which piles or bank stabilisation technique to use for each site can save you considerable costs and we are confident in assessing whether steel sheet piles, timber piles, plastic piles, nicospan or gabion baskets are appropriate. We have the ability to carry out works from either floating plant or from the land depending on site constraints.

Once the piles are driven there are a variety of options for backfilling and reinstatement which we are able to advise on and carry out for you.



## Dredging and reed clearance

**We have extensive experience in carrying out all types of dredging and aquatic reed/weed removal on inland waterways.**

Our proactive, knowledge based approach ensures even the difficult spot dredging of moorings, winding holes, bridges, disused canal arms, attenuation features or lakes can be undertaken. Whether it be bulrushes, reeds, aquatic weeds or silt, we have the experience to remove it efficiently.

Our ability to position plant within small, poor access sites enables us to successfully clear the vegetation. In addition, we have a range of machinery and floating plant to accommodate any sized site and facilitate removal by water or road to deposit sites for drying and re-use as topsoil or compost. We are more than happy to discuss your needs and undertake a site visit free of charge, to assess the best approach for you.

Using floating dredgers, modular pontoons or long reach excavators, we can accommodate your project needs. In addition we are fully licensed to dispose of your material in a cost effective manner which ensures low environmental impact.

## Marinas and moorings

The Rothen Group carries out a wide range of marina maintenance and construction for both private and corporate clients.

Whether at the bottom of your garden or within a large, existing marina we are able to advise and deliver the best solution for your moorings needs, from wooden jetties to steel piling etc.

The ongoing maintenance and upkeep of marinas is challenging. We have comprehensive experience in this maintenance from the dredging of silt to landing stages and the creation of new mooring berths and slipways.

## Other

The Rothen Group also undertakes the following maintenance and contracting works as detailed below:

**Waterway restoration:** Clearance along banks and in channel of aquatic vegetation along feeder arms, disused waterways, ditches etc. Construction and repairs of structures such as headwalls, outfalls etc.

**Landscaping & towpath resurfacing:** Creation of new towpaths or resurfacing with resin, tarmac or gravel. Design and installation of landscape features either within private or commercial properties.

**Nicospan:** A more environmentally sensitive and cost effective form of bank protection.  
**Welding/fabrication:** We can provide a complete design, build and installation service for custom metalwork products either on site or in our fully fitted workshop. As well as providing emergency repairs.



## Tugs and workboats

The Rothen Group has a range of pusher and powered tugs, workboats and hoppers that can be used in a variety of applications.

If depth is a consideration, we have shallow draught boats both powered and unpowered or if materials need to be transported we have both insulated and large capacity boats. We also hire welfare and survey/inspection craft.

These boats can be hired with or without an operator. Depending upon the type of boat required, transport is either via the waterway network, hiab lorry or our small crane van and trailer, making facilitating boats to difficult access sites easier.



## Other plant

The Rothen Group has a range of machines that can sit both on and off our floating plant.

These range from 1.5 to 5 tonne mini diggers with/without canopies for ease of moving under low bridges on the inland waterways, to tracked dumpers, breakers or post and pile drivers. The lightweight machines are ideally suited for works where low impact is integral to both the ground and environment e.g. towpaths, berms etc. All of the machines are LOLER inspected and marine approved with bio-oil.

We also have an all-terrain hiab crane which can cope with all ground conditions and is ideal for carrying out works on awkward access sites.

In addition, we have a bespoke range of piling hammers available from our sister company RG Piling Hammers.

## Crane boats

We have a range of crane boats to suit all demands and applications; from barge mounted cranes, crane pontoons and grab crane boats.

All our hiabs can be fitted with a variety of attachments from lifting hooks, clamshell buckets, piling hammers to post hole borers. Fitted with hydraulic stabiliser legs and cranes with a reach of up to 7m these vessels are extremely versatile whether you are piling, dredging or carrying out lifting operations.

The grab barge is fitted with a 6.3m reach grab crane, hydraulic stabiliser legs and two removable water tight skips for containing materials. This one vessel can do the job of a dredger, pusher tug and hopper, being able to load itself, remove or deliver materials to site and then discharge itself. It has a carrying capacity of up to 20 tonnes, making this vessel ideally suited to carry out spot dredging or delivering materials to sites with poor access.



## Pontoons

We have a range of specialist machine transporter and operating platform pontoons.

These pontoons are capable of transporting machines of 3-5 tonnes to awkward access sites, where the machine can either be tracked off the pontoon to work or it can operate from the pontoon itself, with the stability legs down. The machine can be tracked up and down the pontoon to work with no danger of the boat capsizing.

With an operating machine reach of up to 7.5m it makes an ideal platform from which to work. It is made up of modules which pin together and weigh c. 6 tonnes with each module weighing no more than 2 tonnes, a unit which is easy to transport and assemble via a Hiab lorry. The pontoons are highly adaptable, with side stability sponsons which swing round, enabling them to fit through narrow bridges and locks.

They are fitted with a small hydraulic power pack which operates the four stability legs creating an extremely stable working platform. The shallow draught of the pontoons also make them ideal to work in shallow waters, but the stabiliser legs can enable working in waters up to 2.5m.



The Rothen Group have the largest fleet of specialist narrow beam floating plant and pontoons in the UK.

**Our boats have been custom built and adapted for specialist use based on our knowledge of working in a marine environment.** We are able to hire boats out for self-operation as well as providing experienced operators. All our boats are road transportable and available nationwide. The boats and pontoons can be fitted with a wide range of equipment or welfare facilities to meet your needs.



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# Plant & Boat Hire

CRANE BOATS / PONTOONS / TUGS & WORKBOATS / PLANT

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