

## Challenges:



Our industry is heavily reliant on the use of water for cooling the drilling or cutting tips and for dust suppression. The control & disposal of drilling and cutting slurry has always been an issue.

We provide a specialist Diamond Drilling, Concrete Saw Cutting Service

to Civil Engineering, Construction & Demolition Companies and our sites can vary from within the clean confines of a live hospital to the deepest, darkest sewer with every other scenario imaginable! One of our main challenges can be the provision of water to carry out our works and then the control & disposal of that water and the slurry that the works generate.

By using some of the latest technology we can reduce the water requirements for a Diamond Drilling rig from running at full mains pressure (10-15 litres per minute) for the duration of the works to a fully self-contained unit that, after filling, not only supplies water to the drilling area but also vacs the water and slurry back into the tank, filters out the slurry and then re-uses the water to continue drilling. This makes each drilling rig virtually self-sufficient, and importantly, saves a huge amount of water every day. The slurry, which is collected in a bag inside the machine, can be easily disposed of into a standard skip at the end of each shift. Larger volumes of water and slurry generated during Saw Cutting can be collected using a wet vac and processed through a larger machine. This filters the water for re-use by removing the slurry and then compresses the slurry into small bricks which can be stacked and then removed to a skip for disposal without the mess associated with slurry.

## Impact:

The School offers bespoke targeted training: achieved by completing a company assessment. This assessment helped us understand our strengths and weaknesses in relation to sustainability. The bespoke training has been extremely useful and has saved us time searching for the relevant courses.



## Value gained:

We would hope to gain a competitive advantage over other contractors in the industry – not necessarily financial but by utilising these techniques.

The training available is easy to use and achievable at a pace that suits the individual, learning can start almost immediately.

## Future Plans:

Gold membership of the Supply Chain Sustainability School is an important achievement for Paragon. Being an SME, we are not able to run sites or to have any major influence over the main contractors' decisions. What we can do is to show that there can be improvements to how our works are carried out and that, overall, we can make a difference by reducing their water usage and to assist with their handling & removal of the slurry we create.

## Fact box



### Company

**PARAGON SITE SOLUTIONS LTD**

### No of employees

< 15

### HQ

Derby

### Website

<https://www.paragonss.co.uk>

### Main contact

Mike Hill

### Services

Paragon specialise in Diamond Drilling & Concrete Saw Cutting providing a professional service to the Construction, Demolition & Civil Engineering Industries.

### About

*Paragon is a compact, family run company. We provide our clients with high level professional services offering a 'hands on' approach, when required, enabling our clients to maintain their standards.*

## Case Study: Paragon Site Solutions

Gold membership of the Supply Chain Sustainability School will be promoted on our website and literature to illustrate the importance of our achievement. This will help to inform our current and future clients of the techniques that are available.