

# Why RockTron? P

## Why RockTron?

Probably a better question than "Why RockTron?" is "Why now?" For over half a century conventional thinking on fly ash (PFA) has been that it is simply not commercially possible to extract fly ash from stockpiles or landfill sites and attempt to fully recycle it. This argument was strengthened by the fact that there was no process capable of converting 100% of stockpiled fly ash from coal-fired power stations into high quality, performance materials and minerals. That was then&hellip; this is now.

### Proprietary Beneficiation Process

For the first time, there is now a means of processing both fresh and stockpiled fly ash on a large scale to produce a sustainable supply of recycled minerals and materials for use as a commercially viable alternative to conventional supplies. [Read more](#)

### Total Fly Ash Processing Solution

RockTron uses the well-established base metal mining technique called froth flotation to provide a total onsite solution for full fly ash beneficiation. [Read more](#)

### Sustainable Supply

With over 100 million tonnes of recoverable fly ash in the UK alone and several billion worldwide, with more being added daily, the RockTron process offers a sustainable alternative supply of environmentally-coherent materials and minerals to a variety of different industries. RockTron minerals are available daily throughout the whole year offering consistency of product and availability.

### [Read more](#)

### Unique New Product Range

We are producing a sustainable range of environmentally-coherent products with unique characteristics; namely a low residual carbon, clean, high specification pozzolanic product and a separated high-grade carbon concentrate. Typically, we achieve a 92% - 96% purity of carbon, which is considerably higher than other carbon removal systems currently achieve. [Read more](#)

### Superior Product Substitution

The RockTron proprietary process results in a wide range of minerals and materials offering superior chemical, physical, environmental and performance characteristics. The RockTron product proposition facilitates direct product substitution. This can enable a reduction in the quantity required of other expensive additives, such as plasticisers in plastics, titanium dioxide in paints and coatings and thereby increasing productivity and efficiency.

## Enhanced Product Performance

In addition to particle size, spherical and other physical attributes, RockTron's product range offers a wide variety of attractive characteristics which can facilitate new product development projects put on hold in the past due to the lack of such high quality, affordable raw materials and minerals.

### [Read more](#)

### Comprehensive Remediation

For us remediation includes offering a total environmental solution. We can offer a comprehensive and fully compliant remediation facility, which can enable a fly ash storage site to be restored to its original prior state, over time. [Read more](#)

### Environmental Credentials

RockTron's business has been designed around coherent considerations for the environment. We are a new business bringing new technologies to the processing of large stockpiles of waste products. RockTron's planning and activity is driven by a clear concern for the environment.

#### Eco Benefits

The RockTron proprietary process offers a long-term solution for both new and established coal-fired power stations, turning waste into value added materials. This significant new environmental technology can be applied worldwide to reprocess the billions of tonnes of stockpiled and now reusable fly ash. [Read more](#)

#### The RockTron Way

The RockTron approach offers a very refreshing way of doing business - both from technical and commercial perspectives. [Read more](#)

#### Collaboration and Innovation

At the heart of RockTron is the spirit of innovation. We thrive on new challenges and welcome proposals from like-minded individuals and companies who are seeking collaborative ventures in research and development, leading to new innovative techniques and products. Such collaboration will help realise the full potential of RockTron's beneficiation process and the exciting range of new materials and minerals it produces. Furthermore, it benefits our partners' business in terms of profit, sustainability and wider business performance. The RockTron approach to innovation is to work in partnership with both individuals and organisations to create new solutions for industry utilising our portfolio of eco- materials. If you have an idea that you would like to discuss in confidence with us please contact us at [collaboration@rktron.com](mailto:collaboration@rktron.com)