



Tailored solutions for the reclamation of fly ash.

Atritor – 90 years of experience delivering bespoke drying and grinding solutions is in our DNA

It's our version of alchemy – taking a waste product and turning it into something valuable

Testing, design, manufacturing, installation, commissioning and training – we take care of the whole solution

We have the previous experience and comprehensive testing data to apply to your feasibility study. Saving you time and cost in your decision making.

"It's our version of alchemy, we take a waste product and turn it into a value commodity."

Scott Coley,
Atritor Sales Project Manager

Why reclaim fly ash?

- The long term availability and cost of fly ash from traditional sources is in doubt
- The shortages vary by region but even areas with sufficient supply now, need to look at viable future alternatives
- Landfill reserves located at power station sites across the world could provide a cost effective solution

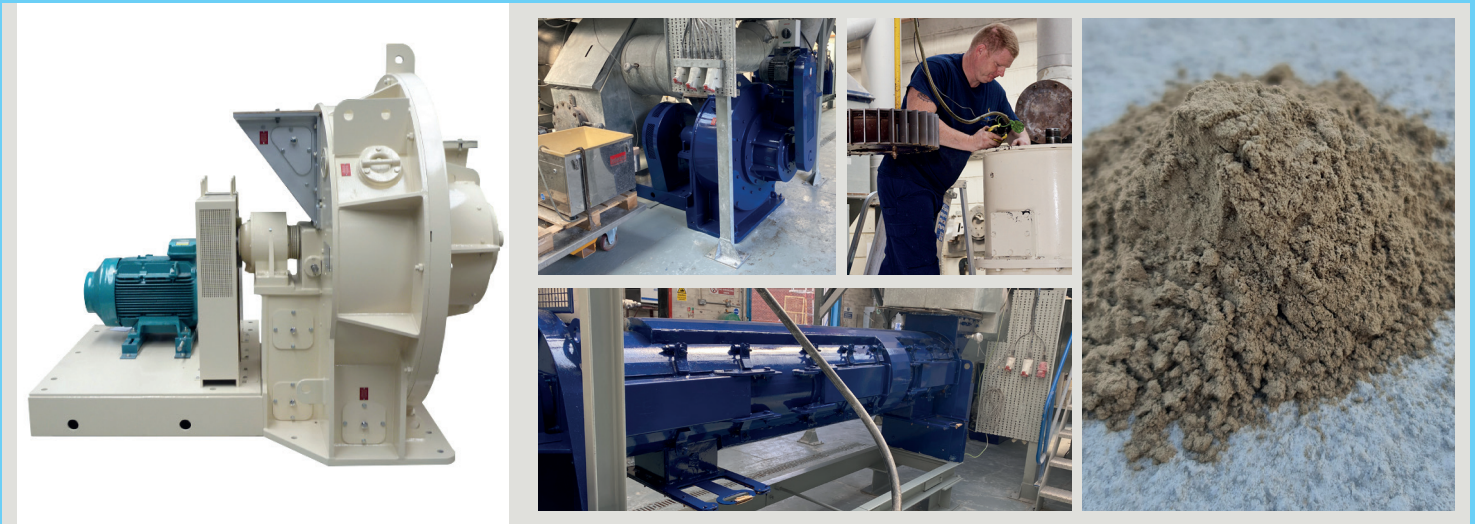
The benefits of fly ash

Good quality fly ash can increase the sustainability of concrete and cement products, due to the reduction in carbon related to transport and cost compared to limestone and Portland stone alternatives.

Complete Solution

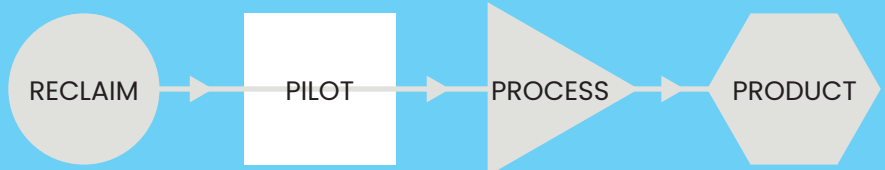
To utilize reserves wet fly ash has to be extracted and pre-screened. Then dried, deagglomerated and classified to a required moisture and particle size distribution, to meet regulatory standards. For instance in Europe that is EN450 Class N or S and the American regulation is ASTM C-618 and the new ASTM E3183.





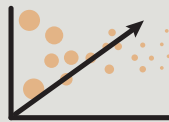
One step process

The Atritor Dryer – Pulveriser is capable of a product feed rate of up to 20 tonnes per hour and evaporation rates of up to 4,000 kilogrammes per hour, utilizing inlet gas temperature as high as 550 degrees centigrade.



We take a collaborative approach with our customers in our Pilot Plant proving facility, where we test the wet fly ash using different process set ups until we achieve the right end fraction for your individual applications.

Our in house design and manufacturing facilities provide you the resources for a bespoke approach. Then we install, commission and train users of the plant, to ensure our customers achieve a profitable end product.



Is it a profitable exercise?

The Pilot Plant testing and our considerable knowledge of fly ash gives us the knowledge to advise you on the financial viability of proceeding with a project.



What to consider

Not all fly ash is the same, it will vary depending on source, time of year extracted. The wetter the ash the more energy it will require to dry.



Costs

Capital Expenditure – Civil works, equipment supply and installation.
Operating Costs – Drying energy, electrical energy, maintenance and spares, operators and logistics. These costs all need to be factored into the cost per tonne to produce.

Talk to us about initial tests to calculate the feasibility of your material.

Get in touch, contact Scott Coley scoley@atritor.com or Andrew Rigg arigg@atritor.com



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