

CASE DETAILS

Name: Collier Group
Address: Goathill Quarry, Easter Bucklyvie,
Cowdenbeath, Fife, KY4 8ES
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BACKGROUND

Collier Group is a family owned business operating in Cowdenbeath, Scotland with divisions that deal with quarrying, ready mix concrete and blocks, recycling aggregates and haulage.

Their new, high output wash plant used on the quarry and to recycle aggregates not only allows them to produce aggregate to a high specification that is ideal for surface dressing but also enables them to cater for orders of large quantities. This wash plant produces quality concrete sand as well as various sizes of washed aggregates. However, they weren't satisfied with the performance of the cyclones on the plant as they weren't separating enough silt from the water, meaning their lagoons, where the water overflow is deposited, were filling up with silt.

Following a visit from an Atlantic Pumps sales engineer, Atlantic Pumps recommended a complete new Gromatex cyclone, with an adaptor kit to supply a direct replacement to the current unit. They also recommended an installation service to ensure a minimal amount of expensive downtime for the wash plant and hassle for its operators.

CONCLUSION

The new cyclone has now been installed and Collier group are delighted with its performance. Some of the benefits include:

- Higher throughput: The Gromatex equivalent to the previously installed cyclone can handle a higher flow, meaning they can process more aggregates through their plant.
- Cleaner water overflow/better cut point: the quantity of silt exiting with the water over flow has reduced to about half of what it was, meaning less wear in the return pipework and less frequent maintenance to the settling lagoons.



Photo: collierhaulage.co.uk - purpose built washing plant

One of the owners, Duncan Collier, was very impressed with the knowledge shown by the installation team and the effectiveness of the solution provided. On a recent visit, he commented that they wouldn't hesitate to recommend Atlantic Pumps for any pump, pipework, or cyclone requirements.