



Providing pump solutions
to industry, globally

SLURRYPRO®

SlurryPro pumps provide significant cost savings for Viridor



The Viridor Recycling & Renewable Energy Centre in Glasgow is a flag-ship anaerobic digestion plant.

The site had four rotatory lobe pumps handling food waste. Furthermore, the suitability of the pumps to the application and reasonable purchase price made them attractive to the site operators.

Because digestate is very gritty and therefore an abrasive material to transport, the internal lobes and casing eroded quickly, which led to a rapid reduction in efficiency. The result was that the lobes had to be replaced regularly and as these are very expensive, this became a problem for the site operators.

The reduction in efficiency also meant that the promised energy saving did not materialise. Additionally, the pumps, which are essential to the running of the plant, were out of action during the replacement process. This led to significant downtime for the plant, lost production and revenue.

Less wear, more operating time

The site contacted Atlantic Pumps, an Intrax company, and they recommended four 6x4 SlurryPro centrifugal slurry pumps.

The pumps feature high-chrome wear parts, an open 2-vane impeller and a double mechanical seal. SlurryPro pumps were also capable of handling the abrasive fluids for long periods of time with very little erosion to the working parts of the pump.

After many months of constant operation, the pumps continued to happily provide the required adequate pressure and flow. More importantly, the internal wear parts were still in good condition. This meant that there had been a dramatic reduction in both downtime and in the cost of spares.