

# Two Highly Commended for Landia GasMix at UK AD And Biogas Industry Awards

By Paul Davies | 21-06-2016

**At its very first attempt, Landia gained two Highly Commended Honours at the much-coveted UK AD & Biogas Industry Awards**



In recognition of the success of its GasMix digester mixing equipment at the acclaimed Richgro AD plant near Perth, Landia was applauded by the independent panel of judges for the considerable part it has played in the first renewable energy site of its kind in the whole of Australia.

The externally-mounted GasMix system was chosen by Richgro for its enhanced gas yields, ease of service and reduction in volatile solids.

For pre-treatment, GasMix also reduces viscosity by 30% (as tested by the University of Aarhus in Denmark) and is energy-efficient, usually only needing to run for 7-10 minutes in the hour, so the consumed power is just one-sixth of the installed power.

In addition, Landia's GasMix digester mixing system was also Highly Commended for its reliability and supreme performance at Eco Sustainable Solutions' food waste-to-energy AD plant in Dorset, where it has increased gas yields by a massive 12.5%.

A total of four Landia GasMix systems serve two 2500m<sup>3</sup> digesters, utilising 18.5kW chopper pumps to generate a total of 700m<sup>3</sup> gas per hour. Total mixing is achieved via specially angled recirculation nozzles. Compared to many energy-burning systems that have to run flat-out, 24/7, Landia's GasMix at Piddlehinton only needs to operate for approximately 10 minutes per hour.

Despite using 18.5kW motors, compared to typical 7.5kW submersible units, GasMix has been shown to use fifty per cent less energy than the previous system.