

# Landia's GasMix delivers more Gas Renewable Energy from Thisted AD

By Landia Ltd



A Landia GasMix mixing system for anaerobic digesters has increased gas production by an average of more than 10% at the WWTW in Thisted - the cleanest municipality in Denmark, described by the European Environment Agency as 'A blueprint for adapting to climate change'.

Whilst producing more gas, GasMix is also making significant energy savings, because it only needs to run for 20 minutes per hour, compared to the plant's previous system which had to operate continuously, 24/7.

Combining sludge recirculation with gas injection, Landia's GasMix is designed to draw sludge from the digester and then pump it through the aspirating venturi chamber. The biogas is aspirated from the top of the digester, mixed with the sludge and injected into the tank. Hot-drill installed and easily accessible at ground level from outside the tank, GasMix is designed with a 3D mixing pattern that eliminates the formation of surface scum.

*next page ▶*



Flemming Jensen at Thisted WWTW, commented: "Landia's GasMix has made a very positive difference to our gas production and income generation. Temperatures at the bottom, middle and top of our tanks (22m in height) are very consistent, which proves that everything is being mixed properly".

He added: "The inclusion of the Landia chopper pump also means that we no longer experience delays and downtime because of blockages caused by rags".

Equipment made by Landia has been in operation at Thisted since 1988 - primarily slow-speed mixers used in oxidation tanks.

See more at [www.landiaworld.com](http://www.landiaworld.com)