

Mentaure Landfill La Ciotat, France

Capstone microturbines cleanly burn waste fuels such as methane and other waste gases from landfills, sewage treatment plants, livestock farms, and food waste processing facilities to create renewable power and heat. This replaces traditional solutions of flaring these gases, or even worse, letting them vent into the air, a practice that is wasteful, polluting, and contributes to global climate change.

In July 2007, Capstone, our distributor, Verdesis, and several dignitaries from the region attended the opening ceremony of the biggest valorisation unit with biogas microturbines in Europe. The installation is at the landfill of Mentaure in La Ciotat, France, and includes 18 65kW Capstone microturbines. The landfill gas is filtered by Verdesis to eliminate water, H₂S, and siloxanes. The Capstone microturbines have shown the unique capability to run on low methane content down to 30 percent CH₄. The flexibility of the microturbine to follow rapid variation in methane content is very useful for landfill applications. In addition, managing the number of microturbines allows for very good matching to the methane curve from a landfill over the years. ■



Eighteen C65 microturbines running on methane gas generate power and heat at Mentaure Landfill in France.