



2022 Varese, Italy **Renewable Energies**

Biogas is one of the main sources for renewable energy production. It can originate both anaerobically and aerobically. In the first case, the process takes place through the fermentation of organic substances, by numerous bacteria, in the absence of oxygen and at a controlled temperature. In the second case, biogas is created naturally by the degradation of large quantities of biomass. Either way, a gas consisting mainly of methane and carbon dioxide is created. To feed the plants with energy from biogas, the anaerobic process is preferred, so that its progress is constantly monitored. This requires careful temperature control at every stage, as well as gas dehumidification before proceeding. The customer company, a paper manufacturer, turned to us for this dehumidification process, post production, in order to ensure the proper functioning of its plant without risking damage.