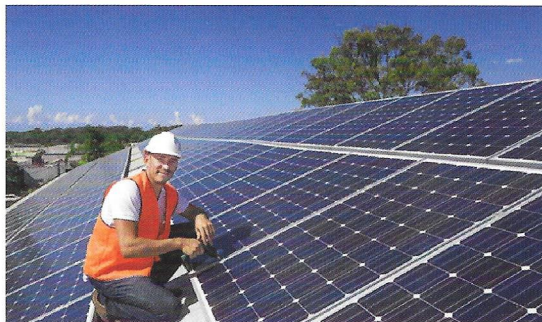
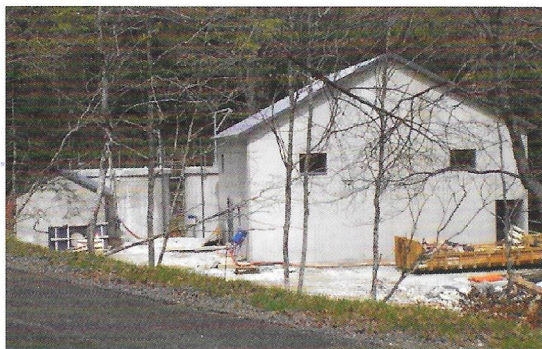




AQUABIOdom 3.0 Hybrid

Waste Water Treatment Plant with Solar Energy Input



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AQUA
BIOTEC



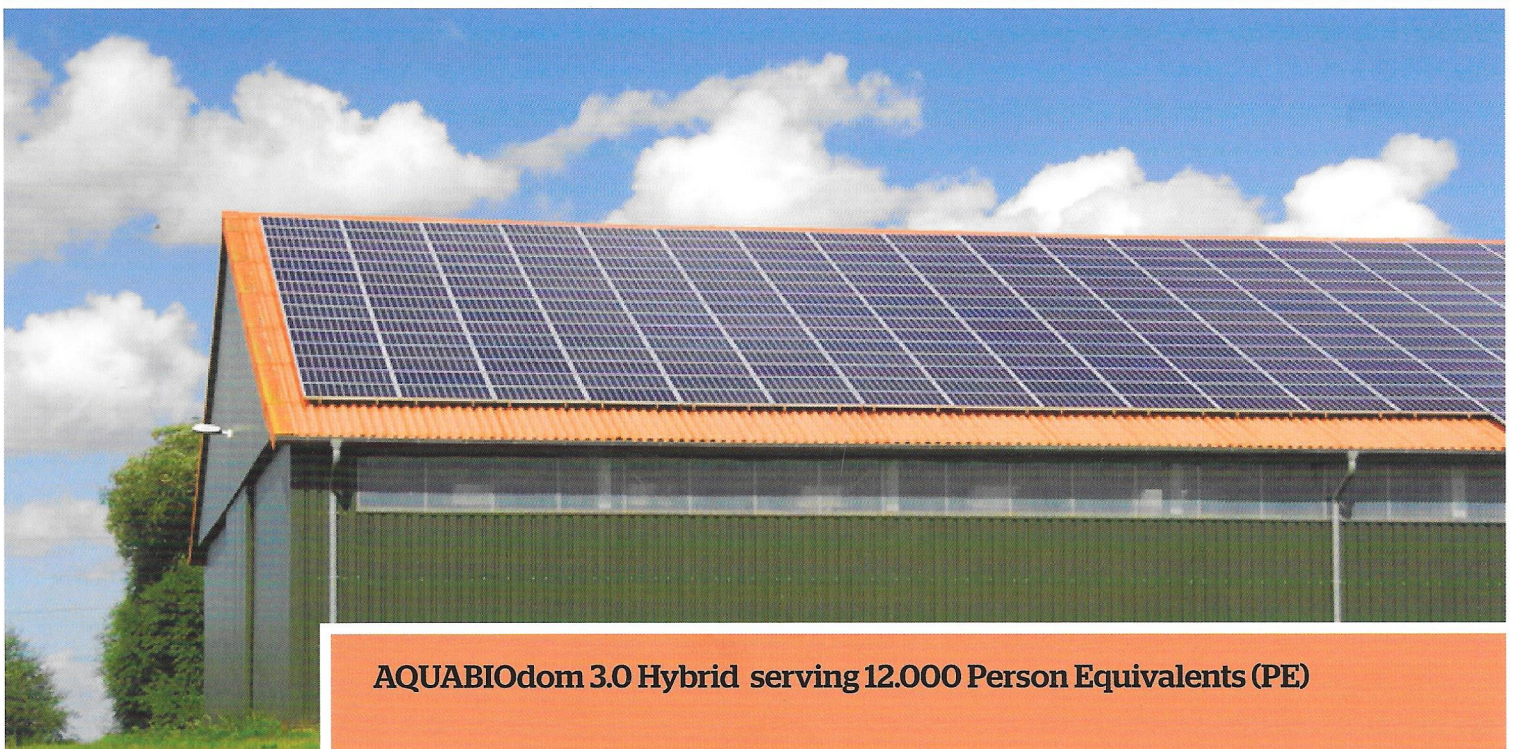
PROTECT THE ENVIRONMENT AND SAVE ENERGY COSTS

AQUABIOdom 3.0 Hybrid is a standardized turn-key and completely encased Waste Water Treatment Plant for domestic sewage according to applicable regulations of the EU. The plants are serving 2.000 to 12.000 connected persons depending on the model type. The plant is equipped with photovoltaic (PV) technology to convert the sun light energy into an electrical current. For this purpose solar panels are installed on the roof of the AQUABIOdom building. Depending on the location the solar panels may produce an important part of the plants electricity requirement and represents a substantial saving on the total electricity costs.

AQUABIOdom 3.0 Hybrid as part of your Energy Saving Strategy



The annual global solar irradiation in Europe is between 1.000 kWh/sqm in the North and up to 2.000 kWh/sqm in the South. The photovoltaic cells convert the sunlight directly into electricity. The resulting direct current is then sent to a power inverter for conversion into alternating current for feeding into the power supply network. For a medium irradiation of 1.500 kWh/sqm (South East Europe) the AQUABIOdom 3.0 Hybrid provides an annual energy feed of 70.000 kWh/year. This share represents 35% of the total annual energy consumption of the full treatment plant. Depending on the buyback price fixed by the national authorities (10-20 ct/kWh) the annual feed represents a total payback price of 7.000 to 14.000 €/year.



AQUABIOdom 3.0 Hybrid serving 12.000 Person Equivalents (PE)