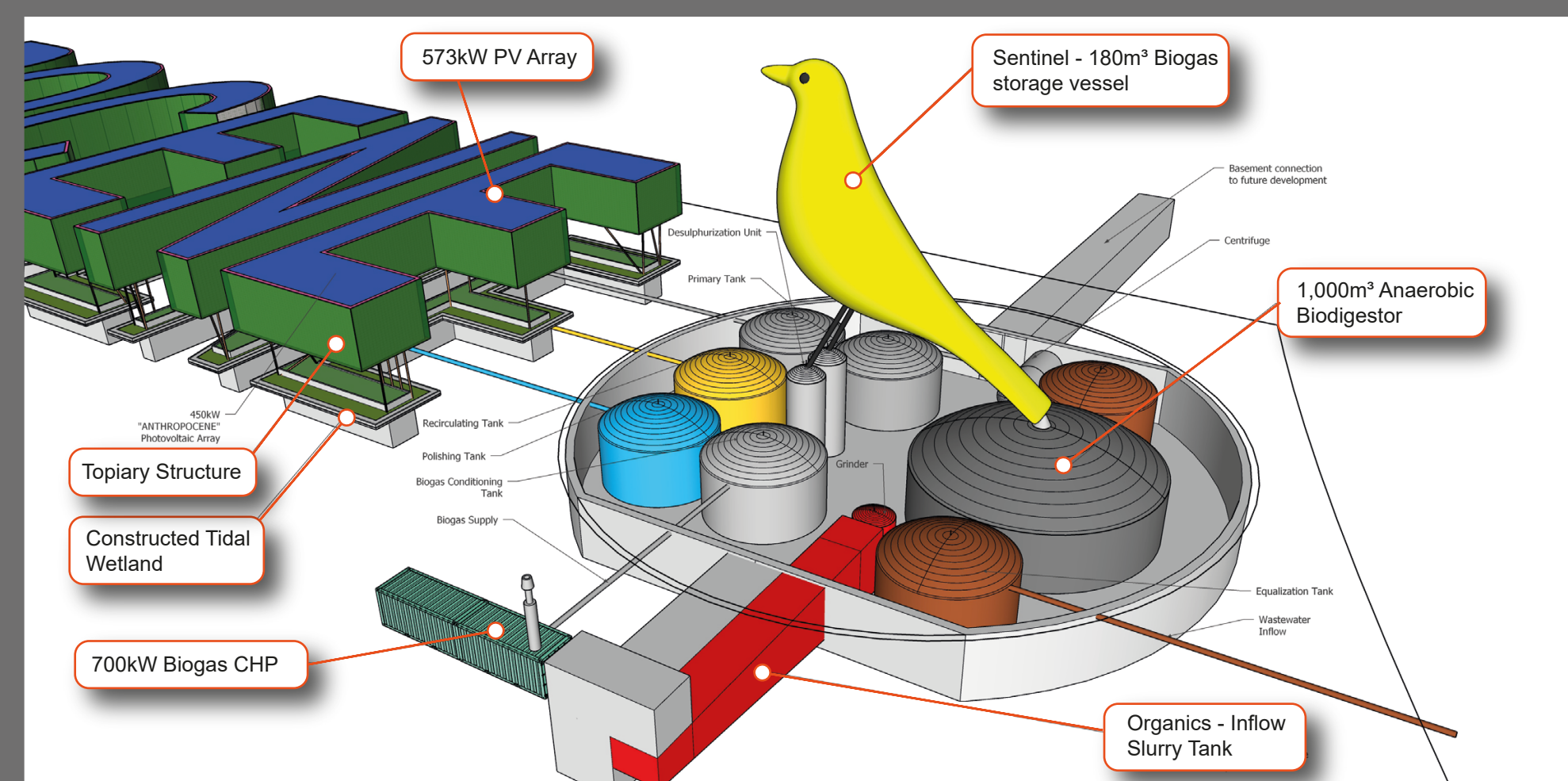


The SENTINEL stands atop a landscaped sustainability barometer, The Planetary Boundaries (Stockholm Resilience Centre), a depiction of the current state of human impact on the planet,



“A Sentinel brings attention to catastrophic events that are low in initial spectacle.”

The canary no longer needs to be in a coal mine to tell us the dangers of fossil fuel extraction and use, our need for a SENTINEL has never been more necessary.

The SENTINEL is a 20-metre-high fibre-glass sculpture (based on the Eames House Bird) it is a clarion call for action.

The SENTINEL is an integral part of the overall ANTHROPOCENE installation's energy production, it is a 180m3 biogas vessel for the proposed biogas plant.

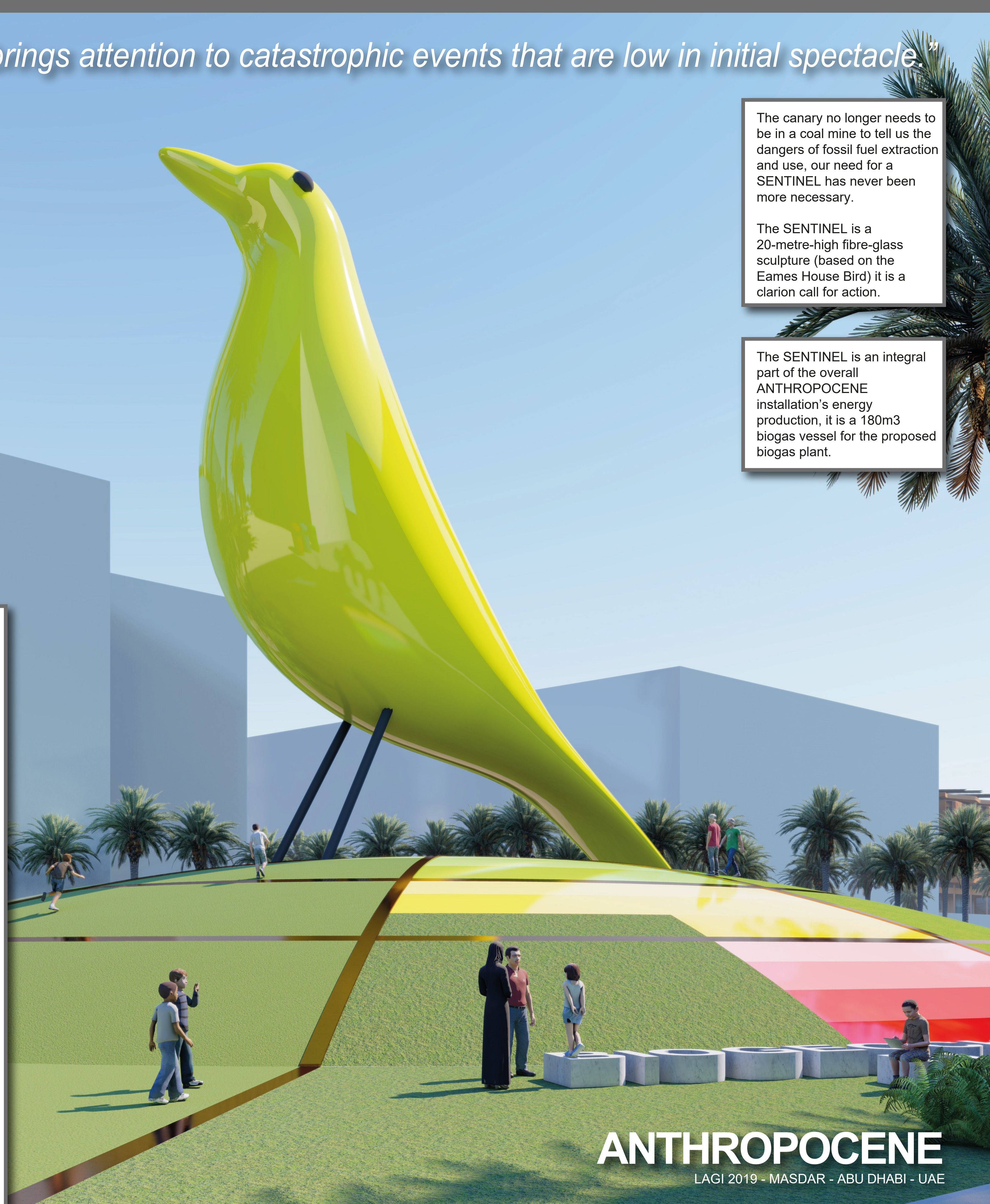
By 2030 the City will be home to 50,000 residents and a base for 40,000 professionals and students, this equates to 20 tonnes of food waste per day (0.22kg/day/person).

This food waste plus landscape waste from the ANTHROPOCENE installation and across the City will form the feedstock for the biogas plant.

The indicative energy outputs per m3 of biogas are approximately 1.7 kWh electricity and 2.5kWh heat, 3.86kWh of heat will produce 1TR (tonne of refrigeration).

Processing 20 tonnes of the City's waste per day is expected to yield approximately 4.6MWh/year.

PV Array + Biogas Plant TOTALS	Total Nameplate Capacity kWp	1,273
	Total LAGI Budget (US\$20/watt)	25,467,500
	Annual Total (kWh)	5,623,048
	Annual CO2eq (kg CO2e)	2,275,845



ANTHROPOCENE

LAGI 2019 - MASDAR - ABU DHABI - UAE