Biogas, photovoltaics and algae production: all as part of the “Lukon” Project

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What is the "Lukon Project"?
The Lukon Project is a project we have developed in conjunction with a partner in Poland.
That Polish partner is Grzegorz Szulc.
Basically the project involves the industrial production of algae combined with a biogas plant and a solar PV system.
Digestate from the biogas plant is used as feed for algae farming.
Waste gas - the CO2 - is also used as feed for the algae and it is these algae which are the main source of revenue from the plant.
In Poland alone the plant concept has seen overall investment of some 10.6 million Euro with yearly earnings of over 3 million Euro.
That's basically the Lukon Project.

And which different technologies are used to produce algal biomass?
So we use a biogas plant, a solar PV system and an algae production plant.
The algae production plant consists of runway ponds which can be found in other countries, but here they are covered with a type of film so that we can use them despite the local climatic conditions.
And so what are the overall benefits?

The benefit is that biogas has a bright future in Germany or in Europe as it is directly linked to the production of algae. Another advantage is that the algae market is currently growing at an enormous rate, meaning the demand is practically guaranteed and algae can replace soya bean, i.e. we can become less dependent on imports.