

Seeking a regulatory entity for partnership in the Horizon 2020 Project

Energy-Efficient Production of Microalgae Biofuel in Conjunction with Electricity Cogeneration

The project is about production of biofuel from microalgae. These organisms have a great potential as a source for biofuel production: due to their high content of lipids and high growth rate, they are expected to yield, in terms of volume per unit area, as much as one to two orders of magnitude more biofuel than their agricultural competitors such as corn and sugar cane, and with no adverse effect on sources of food. However, at the present state of the art, the cost of the production processes is still too high to be economically feasible on industrial level. This project investigates and develops methods to improve these processes by various techniques, some of which involve the use of photovoltaic cells for electricity cogeneration.

The project deals with the biological and technological processes involved, as well as with the economic and commercial aspects. The consortium partners include academic institutions, industrial companies and business and economy experts from Israel, Spain, the Czech Republic, Italy, Greece, the United Kingdom and Germany. To complete the consortium, an additional partner, namely a regulatory entity from a national or local government, is sought to function as an observer and provide the consortium with government point of view. Alternatively, a firm that operates as an advisor to such a regulatory entity will also be considered.

Work Program details:

LCE 11 – 2014/2015: Developing next generation technologies for biofuels and sustainable alternative fuels; Two-stage submission, Stage 1 deadline 03/09/2014, Stage 2 deadline 05/05/2015.

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