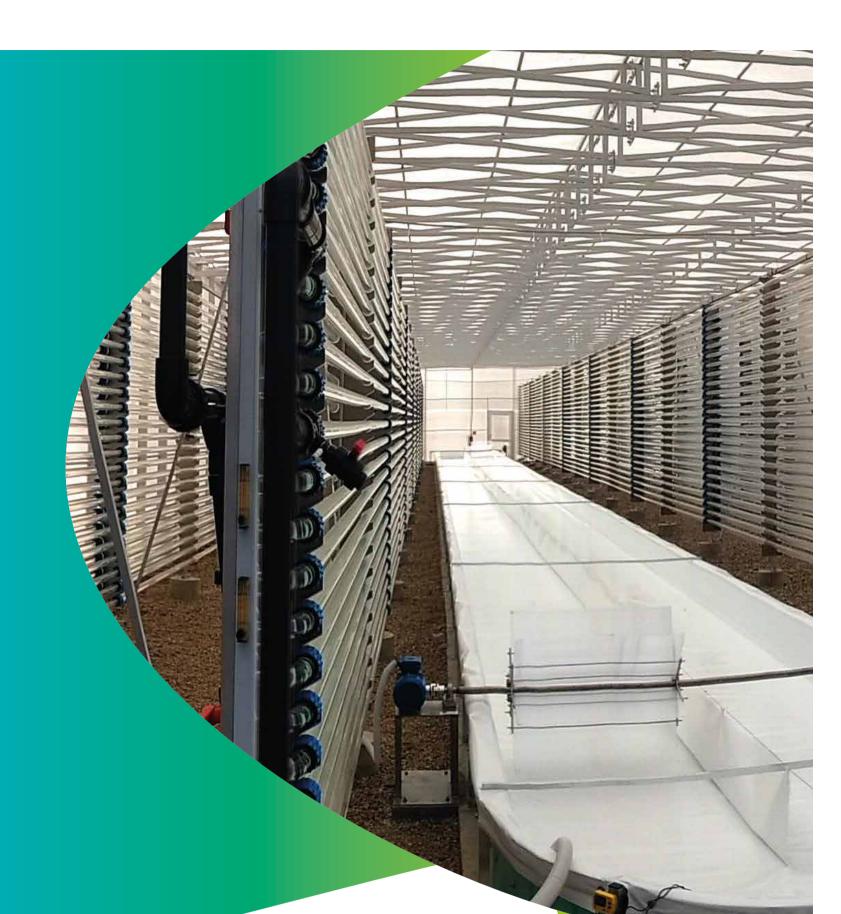# Creation and further development of an algae farm producing Spirulina

(Bulgaria)

DESCRIPTION OF THE PROJECTS

Algae Bulgaria, a company that produces the super food algae Spirulina, is utilizing EMFF funds to increase the volume and quality of algae and seaweed production through the installment of innovative new technologies and the construction of additional production facilities throughout the country.

The company is using EMFF support for three separate projects:

- installment of a photo bioreactor in an existing greenhouse to cultivate and process seaweed (project BG14MFOP001-2.002-0009-C02)

- construction of a new seaweed farm and installation of a hybrid photo bioreactor cultivation system for Spirulina production in Zimnitza village (BG14MFOP001-2.006-0014-C06)

- purchase of an automatic separator and packaging machine with a dispenser for algae (BG14MFOP001-2.013-0001-C02)

Beneficiary website: https://spirulina.bg/

MAIN OUTCOMES OF THE PROJECT

- Increased carbon dioxide (CO_2) processing from Spirulina production, with beneficial environmental effects
- Improved quality of starting culture for cultivating seaweed
- More nutrient-rich output, including higher protein, omega 3 fatty acid, antioxidant, and iron content
- modernization of production processes
- enhanced capacity for reaching new markets, increased competitiveness on the market, and improved branding
- improved control over growing conditions and quality of output
- decreased production expenses

FACTS AND FIGURES

Total	80,610 BGN
Grants	40,305 BGN (50%)
Self-financing by the Beneficiary	40,305 BGN (50%)
EMFF Funding	30,228 BGN (75%)
NF Funding	10,076 BGN (25%)

Total	1,683,542 BGN
Grants	840,851 BGN (49.95%)
Self-financing by the Beneficiary	842,691 BGN (50.05%)
EMFF Funding	1,262,656 BGN (75%)
NF Funding	420,885 BGN (25%)

Total	97,400 BGN
Grants	48,700 BGN (50%)
Self-financing by the Beneficiary	48,700 BGN (50%)
EMFF Funding	36,525 BGN (75%)
NF Funding	12,175 BGN (25%)

FAMENET