



gellit.net

What is Gellit?

Gellit is an animal manure-based fertiliser and soil conditioner that keeps the soil hydrated while slowly releasing nutrients for crops to grow. By purchasing our Gellit-producing infrastructure a farm not only becomes more independent but also reduces money spent on fertilisers and thus animal feed. The production of Gellit is neither energy-intensive nor fossil fuel-based, and all its components come from sustainable sources and are biodegradable.

Problems

Droughts caused by climate change are one of the biggest challenges modern agriculture is facing. To boost plant growth, fertilisers must be employed, which require water to function as well. Conventional chemical fertiliser production is fossil fuel-based and energy-intensive to produce while their effect is an explosion of substrates that mostly leach into natural waters. Energy dependence in Europe is also an increasing problem.

While soil conditioners are a potential solution against droughts, they are lacking in nutrients, and are generally looked at as "nice to have".

Employing raw manure is also a viable option but has technical difficulties such as troublesome storage and transportation.

Product

We offer farms the Local Fertilizer Manufacturing Unit (LMFU). With the LMFU we provide service, and an added value ingredient, which is needed to produce Gellit and can be purchased from us. Our primary customers are farms that keep livestock and grow crops to feed them. We aim to provide solutions tailored to their existing or planned manure/slurry management procedures scaled to their land size and capacity. Our goal is to provide sustainable self-sufficiency to our customers.

State

Our MVP is currently being developed (TRL=2-3) with an extensive team of business, technological and scientific experts. Research and development is backed by the ELKH Research Centre while business development is supported by BME U[S]³. We are currently taking part in the EIT Climate Launchpad Hungary competition. Our aim is to gain connection with a farm in order to lock in an agreement for piloting our technology.

Achievements

We won the main prize in the Újbuda Student Start-up Competition.

We achieved first place in the international Danube Cup startup pitch competition.



Márton Mészáros

CEO



Szabolcs Farkas

CTO



Business development lead

We are recruiting!