



Piotr Wnukowski

Vice-president & CTO at NapiFeryn BioTech

Main product: Raptein

Aim: To ease global food demand with new edible plant proteins extracted from oilseeds



napiferyn.pl

NapiFeryn BioTech

Tackling global food demand by isolating proteins from oilseeds

The project

The idea

To ease global food demand, NapiFeryn BioTech developed a technology to extract, purify and isolate proteins derived from oilseeds to be used in food, thus enabling a more sustainable food supply chain.

“Plants are a vital part of our environment. They not only generate oxygen, but they are also a great food source.”

Inspiration

One of the most challenging world problems is the current food production crisis. We wanted to come up with a technical solution to tackle this issue.

Unique selling points

Raptein offers a fully innovative processing route that leads to new, eco-friendly products brought about in an economically competitive way.

Societal impact

The technology offers healthy and nutritious food produced in a green way. By converting animal feed to human food, we ease the burden on the environment and sustain animal life. All this while providing the most important food ingredient for humanity: proteins.

Venture Development

We are now about to prove the maturity of our technology in the industrial environment. The following step is to design the commercial production facility based on our technology. In a couple of years, we will also receive our first revenues following our very first licence, and this will turn us into a cash-flow positive company.

Supported by:



Start year:
2014

Generated funding:
EUR 6 000 000

Challenge:
Converting animal feed to human food

EIT Community support

After our partners encouraged us, we decided to join the EIT Community. They enlarge our network by matching us with experts, prospective partners and investors.

The nominee

The beginning

While working for a programme related to global food supply challenges, I searched for new sources of edible proteins derived from plants, and technologies to extract and purify exactly these proteins. A few years later, I came across a new solution that separates complex material such as oilseeds. We built a prototype machine and tested it in our garage.

Rewarding moments

When we officially reached a higher level of technology readiness, we knew we were doing great. This was confirmed by the approval of three different patents we applied for.

