

Value Proposition

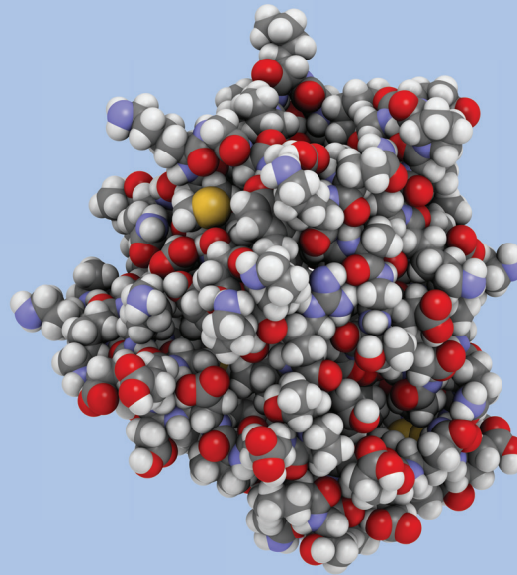
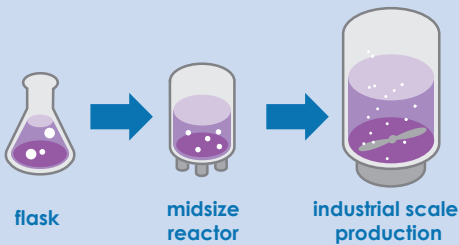
Proven track-record of scale up expertise and food-grade pilot-scale facilities in protein extraction and protein fermentation/DSP. BPF can assist companies to accelerate their novel protein production processes to the market by validating the technology using industrial equipment at pilot scale, and explore the market potential by producing food-grade batches for certification, quality analyses and tasting.

Protein transition challenges

- Alternatives to animal proteins improving environment, health, animal welfare
- Global shortage of protein-rich foods due to population growth
- Need for efficient / commercial viable protein production
 - Feedstock optimization & strain development
 - Bioprocess fermentation validation / optimization
 - Purification / DSP

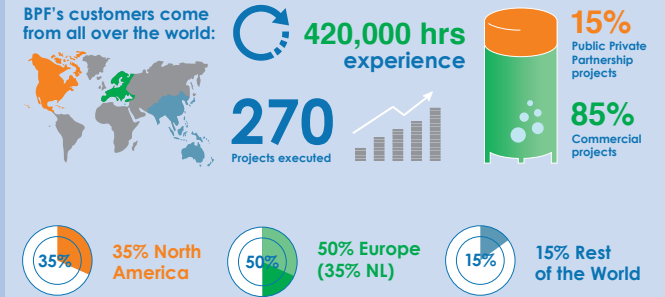
Track record examples

- Starter & continuous fermentation cultures
- Plant & fungal based proteins extracted from i.e. rape seed, quorn



BPF's infographics

More BPF infographics are available on www.bpf.eu

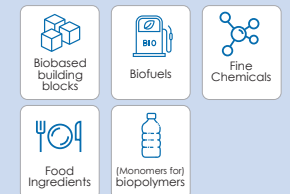


5x



New commercial plants we helped in realizing or are helping to be realized

PRODUCTS WE WORKED ON:

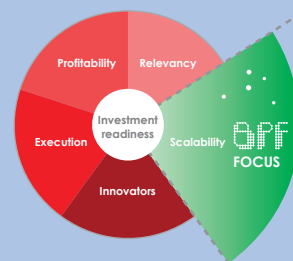


BPF services for your food application development

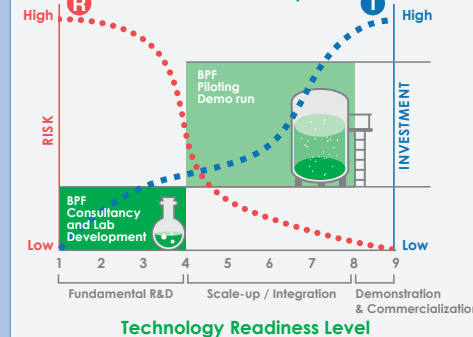
- FSSC 22000 compliant processes to ensure production and delivery of food safe products for taste panels, tox studies, application testing
- Extensive knowledge on hygienic and food grade processing (HACCP)
- Standardized analytics like TOC & ATP testing, microbiological stability
- Preventive risk and mitigation assessment

BPF technologies for protein production

- Biomass valorization : agricultural and lignocellulosic biomass
- Microbial fermentation
- Downstream processing, extraction, isolation and purification



Scaling and Commercializing in Biotechnology: Risk – Investment profile



BPF offers

- Process support to enable the protein transition by fermentation and DSP/purification optimization
- Lab, pilot and industrial scale knowledge & facilities
- Scalability for commercial scale feasibility
- De-risking investments
- Shortening time-to market