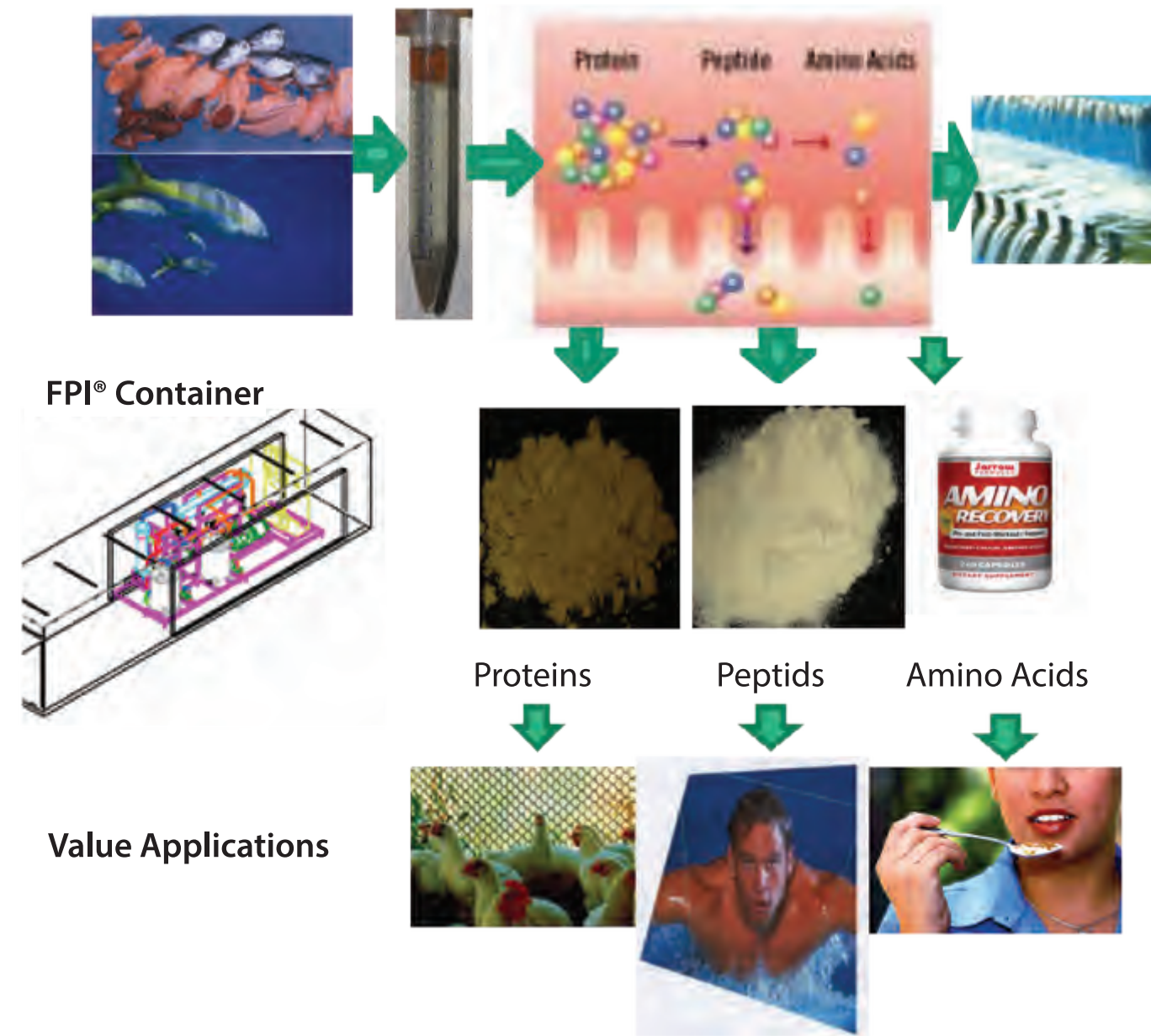


# BIOMARIN PROTEINS/LIPIDS REFINING TECHNOLOGY

Molecular Membrane Separation IP Technologies refine Lipids/Proteins to Value added Products

## Functions



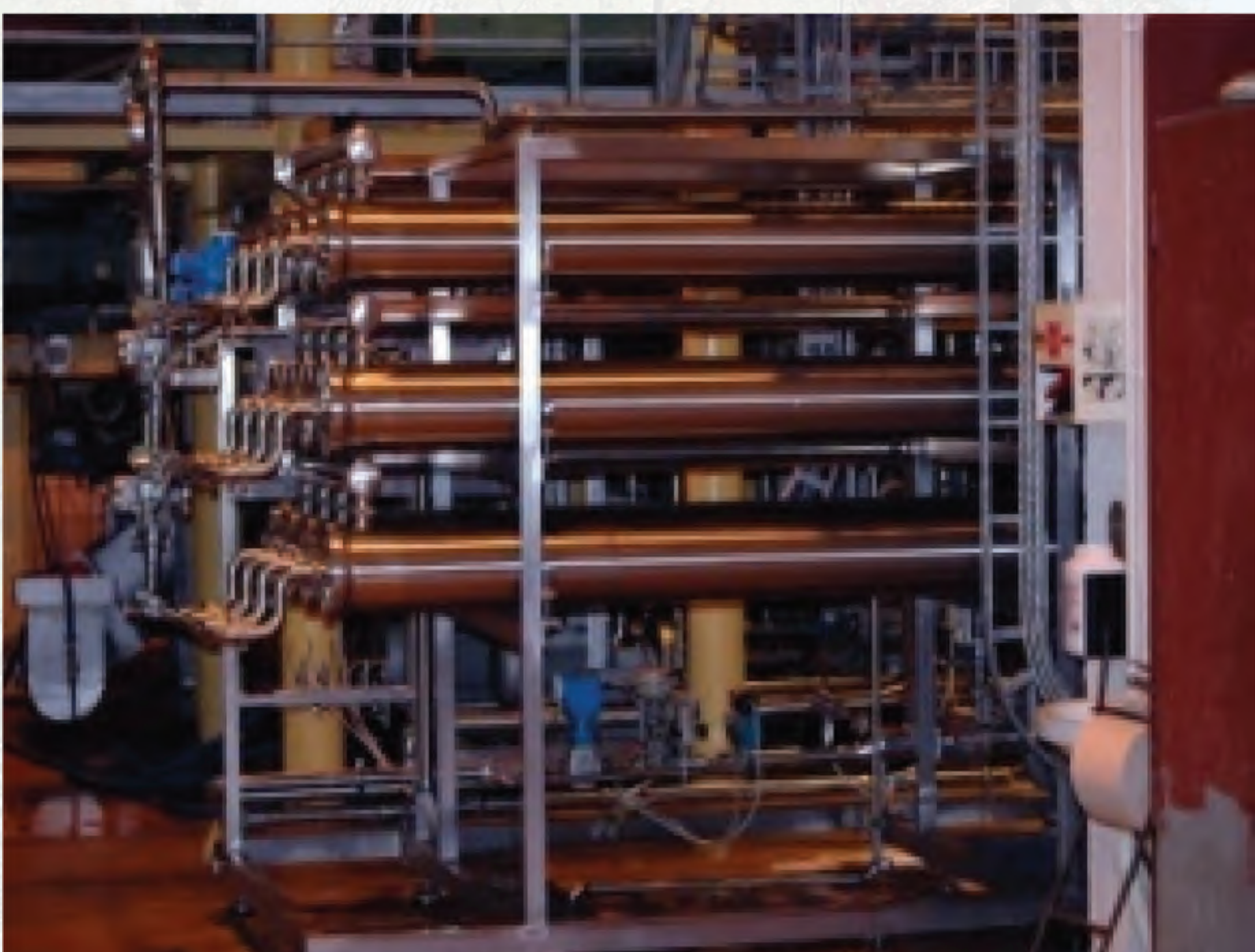
## Advantages

### SUSTAINABLE INDUSTRIAL MOLECULAR MEMBRANE SEPARATION:

- Unique:** Sequential separation of controlled hydrolysed protein materials  
Removes anti-nutrients, fat & water at very low energy/costs
- Economy:** Payback 7 -24 Months
- Capacities:** Any size, e.g .1 or 100 m3/h, smaller footprint.
- Competitors:** Chemical, but less precise/yields/quality compact and solubility
- Patented:** DUE Sell Licenses, Plants & Membranes. Added user security
- Application:** Stick water, Hydrolysates, "Waste" => Value added products  
Cost cut, Effluent/Water/Condensate Reclaim => Sustainable Licensees
- Customers:** Bio refiners in Europe, Asia, North & South America.
- Demo:** Pilot plants (scale 1:1), Lab units for valuation of your process/compounds.
- To start:** NutriProMar AS contract your materials, refining & install complete plant.



## FracSep® Fractionation and Separation Technologies



Bodo sildoljefabrikk A/S

