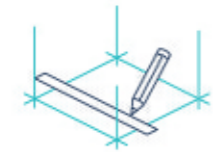


We provide our clients with the real capacity to produce biomolecules at industrial scale

- BIONET designs and construct first-class process equipment: bioreactors/fermenters, tangential flow filtration equipment, and auxiliary equipment.
- BIONET integrates other process technologies (centrifuges, chromatography...) from leading vendors to provide a complete solution.
- BIONET creates automation solutions at both individual units and complete plant.

We envision projects as a whole and we hence provide a holistic solution by accompanying our engineering work with a range of related services



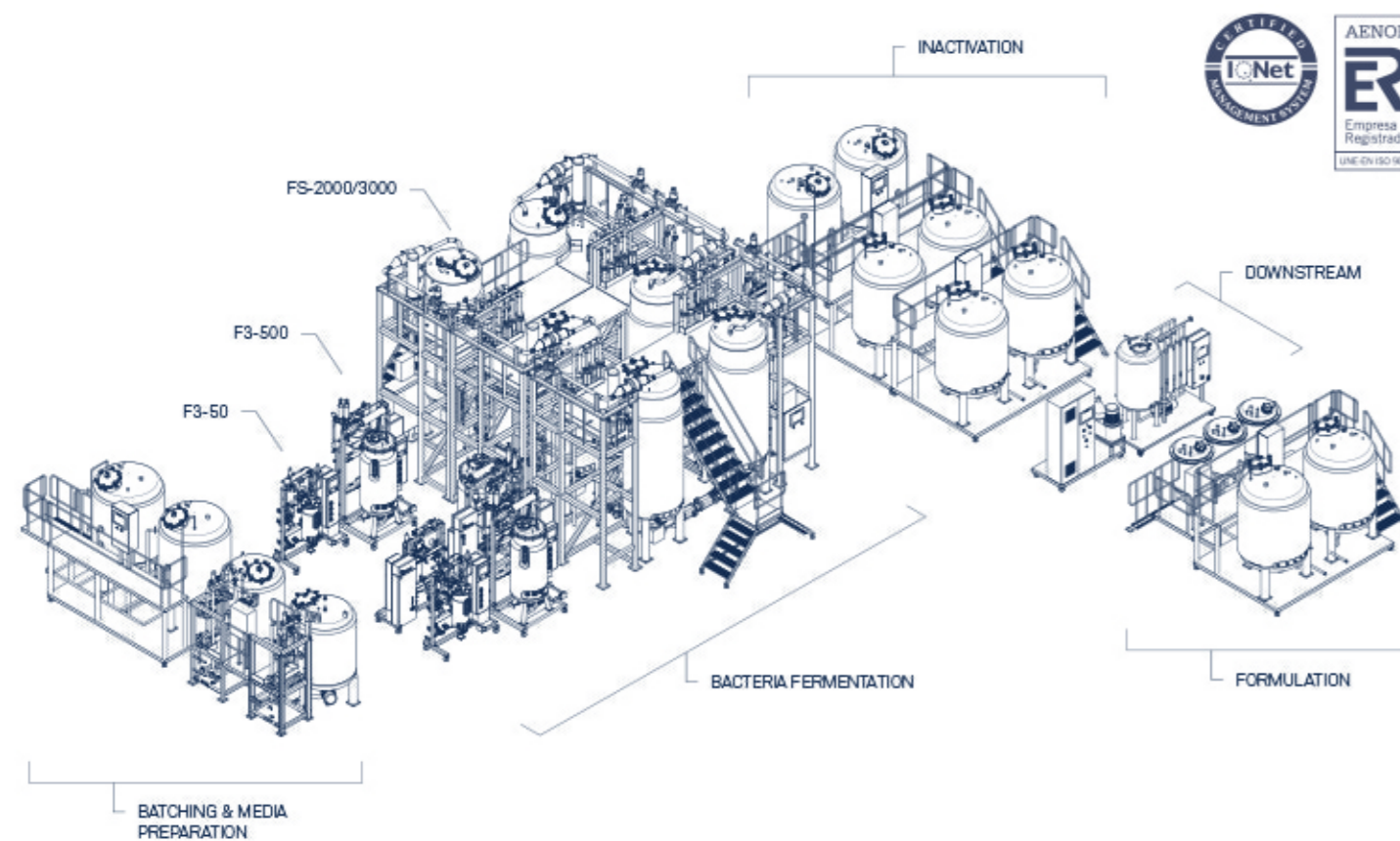
Bio-Process development, optimization and design.



Qualification to regulatory standards, including cGMP guidelines.



Second to none Life Cycle Support, to assist in the day to day operation and future adaptation for new production demands.



Bionet Engineering
 Parque tecnológico Fuente Álamo, 30320
 Fuente Álamo (Murcia), Spain
 Ph. +34 968 197 536 · Fax +34 968 197 543
 sales@bionet.com

www.bionet.com



Our customisable Bioreactors/Fermenters comprise the core of bioproduction lines

In this production line, the production takes place in our F3-500, serving our F3-50 as the inoculation fermenter.

We design tailored Tangential Flow Filtration (TFF) systems at all scales and in the whole filtration range, which serve to separate, purify and concentrate biomolecules.

This M-500 SIP microfiltration concentrates harvested biomass. The unit is designed to guarantee sterility, and achieve high concentration factor with a strict control of temperature and low stress on biomass.

There are crucial steps prior to, during and after the core upstream and downstream processes that require first class auxiliary equipment.

This in particular is a formulation skid. Other common auxiliary equipment are those for media preparation, additions, harvesting and CIP (Cleaning-In-Place) processes.



BIONET supplies automation solutions for bioprocess with a leading offer of proprietary SW. Our solutions include standardized SW for Lab & Pilot Equipment and customized systems for automation and control of industrial skids and complete bio-production lines.

Thanks to our extensive experience, we offer pre-developed and industry-proven software modules allowing for fast and cost-effective project execution. Our solutions can integrate BIONET process skids with other vendors process units (e.g. centrifugation) under one working environment.

We work under a Quality by Design approach including URs, Design, Programming, Testing, Start-up and Qualification. We provide systems which comply with GMP (GAMP5) and CFR 21c11.

