



# Case Study

A Case Study of BASF's Customised Training at NIBRT



NIBRT recently partnered with BASF, a leading global chemical company, to offer a customised training programme aimed at elevating employees' understanding of the fundamentals of bioprocessing. As a key supplier to the biopharma industry, BASF recognised the pivotal role that a comprehensive understanding of bioprocessing workflows and related equipment plays in meeting client product requirements efficiently. This understanding would not only enhance customer engagement but also ensure the optimal development of products to meet specific client needs.

## About BASF

BASF, founded in 1865 in Ludwigshafen, Germany, has emerged as one of the world's largest and most diversified chemical companies. Over the decades, BASF has evolved into a global leader in the chemical industry, catering to various sectors of the economy, including biopharmaceuticals. BASF Pharma Solutions produces innovative excipients and active ingredients of outstanding quality and performance. BASF Pharma Solutions produces innovative excipients and active ingredients of outstanding quality and performance.

## Objectives of BASF Training at NIBRT

### Enhanced Customer Understanding and Engagement:

Empower the BASF team with the knowledge required to better comprehend customer needs and optimise product offerings accordingly.

### Product Understanding:

Ensure that the BASF team possesses a comprehensive understanding of how BASF's products integrate into the bioprocessing workflow.

### Hands-on Technical Knowledge:

Elevate the team's comprehension of bioprocessing techniques, equipment, and technologies relevant to the biopharmaceutical industry's products.

## Key Collaboration Deliverables

- 1. Advanced Preparation with NOA:** BASF embarked on preparatory training through the NIBRT Online Academy (NOA) to equip their team members with a solid foundation in the covered topics before on-site training commenced. This proactive approach maximised the effectiveness of the learning experience. Courses taken included:
  - a. Trends in Biopharmaceutical Manufacture
  - b. Cell Biology and Recombinant DNA Technology
  - c. Introduction to Cell Therapy
  - d. Introduction to Gene Therapy
  - e. Understanding Upstream Bioprocessing
  - f. Downstream Processing: Centrifugation
  - g. Filtration Process Development
  - h. Introduction to Preparative Protein Chromatography
  - i. Formulation in the Biopharmaceutical Industry
- 2. Addressing Diverse Knowledge Levels:** BASF's team consisted of individuals with diverse knowledge backgrounds, spanning both commercial and technical expertise. NIBRT tailored the training to cater to the unique needs of both groups simultaneously, ensuring a personalised learning experience.

**3. Bioprocess Workflow Understanding:** The two-day tailored, practical training sessions at NIBRT provided BASF's team with valuable insights into the daily activities and specific challenges their products experience within the bioprocessing workflow. This allowed them to transfer their expert knowledge in chemistry, formulation and bioprocessing into real-life examples of a production setup.

- a. Overview of biopharma and latest trends
- b. Pilot plant facility tour
- c. Contamination control practical
- d. Cell culture practical
- e. Single Use Technology overview
- f. Bioreactor SIP practical
- g. Filling line overview practical

This newfound knowledge enabled the teams to make informed decisions and gain a deeper understanding of their product applications.

**4. Driving Success:** For BASF, this training initiative served to ensure their teams were well-prepared to deliver the best possible solutions for their customers and seize opportunities in the dynamic biopharmaceutical market.

## Collaboration Outcome

How did BASF employees rate their training at NIBRT:



What BASF trainees said about us:



“NIBRT trainers made complex topics approachable and easy to understand”



“Insightful and very enjoyable”



“Fantastic facilities with great instruction, absolutely wonderful experience”

‘We work closely with our customers and are looking for opportunities where we can use our chemistry expertise, to find innovative solutions for the biopharma industry, that can make processes more robust. In order to improve efficiency and to support the next generation of biopharma processes.’

**Meike Roskamp**  
Head of Business Management Biopharma, BASF

