

Senior Chemical Process Engineer

At Lonza, we invest in great people. We encourage our employees to challenge themselves and we offer an environment that fosters creativity and success. Headquartered in Basel, Switzerland, we operate production, R&D, and business sites around the world, including Europe, North America, and Asia.

Our vision:

We strive to be the leading supplier using science and technology to improve the quality of life.

Our mission:

We work with passion, using advanced technologies, to transform life science into new possibilities for our customers.

Do you want to help us as we shape the future of this great organization?

Job Description Summary

Responsible for the development of scalable innovative process engineering solutions for multiple projects. Provision of new and innovative process technology solutions for defined chemical synthesis and product isolation (e.g. continuous production and automation). Planning and supervision of experimental work in a laboratory and manufacturing environment. The R&T role interfaces to business development, technical marketing, analytical development, synthetic chemistry and plant engineering.

Job Description

Delivery on projects:

- Evaluation, development and selection of new technologies for given target molecules production processes based on internal and external information. Works on multiple projects in parallel.
- Development and implementation of continuous manufacturing concepts in the Pharma and ISO intermediates production environment is inter alia a work focus. Develops process models for the selected processing modes (chemical synthesis and product isolation).
- Capability to model specific unit operations such as e.g. distillation, extraction complements the skillset.
- Provision of high level cost estimates for the early selection of most attractive production solutions. Development and provision of key technical information for detailed cost calculation on selected routes.
- Planning and supervision of experimental work in a laboratory and manufacturing environment.
- The role also supports the development of low cost, quick built manufacturing plant concepts.

Interface to others (internal):

- Supports business development in the evaluation and selection of attractive business targets.
- The R&T role interfaces to business development, technical marketing, analytical development, synthetic chemistry and plant engineering.

Interface (external):

- Supervising collaboration with third parties and research partners.

Other duties as assigned:

- Provision of appropriate coaching and performance feedback to assigned reports.
- General scouting for new technology solutions, suitable for implementation in LPB manufacturing.

Education

Doktorat: Verfahrenstechnik, Master: Verfahrenstechnik (Erforderlich)

Work Experience

Research&Technology (Advanced)

Skills

skilled in process modeling and modeling of unit operations

Language(s)

Deutsch, Englisch