

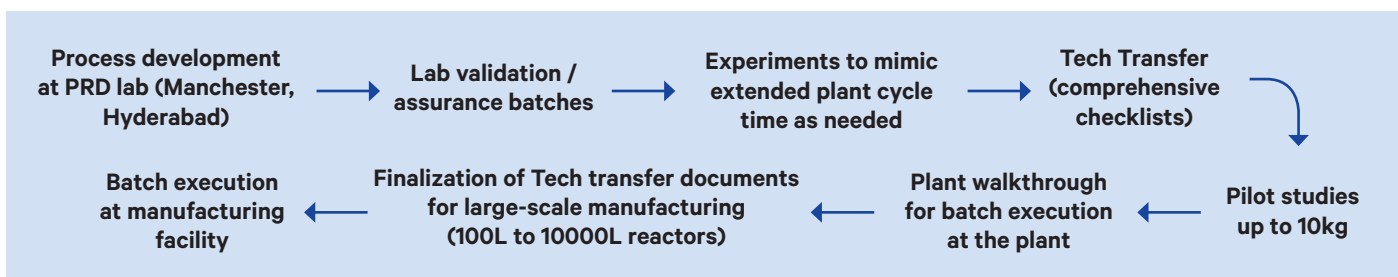
# Technology Transfer

## Designing Scalable, Safe & Economical Processes

Technology Transfer is a critical cross-functional process for achieving timely and successful delivery of your drug substance. It involves meticulous planning, accurate documentation, efficient procedures and skillful handling by our own specialists. The team at Sai Life Sciences delivers best-in-class technical services for scale-up and manufacturing and plays a strategic role in designing scalable, safe, and economical processes.

### Highlights

- Experienced in scaling up process from fume hood to plant with factors of up to x20,000
- Mitigate scale-up risks by planning for extended unit operation time for processes like heating, cooling, extraction, distillation, filtration and drying
- Pilot plant with miniature equipment in line with the parent plant
- Extensive experience ranging from early phase, late phase and commercial APIs
- Successful transfer of 150 process steps annually with high quality and reliability along with incremental growth every year
- Well qualified engineers (B.Tech / M.Tech and PhD in Chemical engineering) from premium institutes in India
- Seamless technology and knowledge transfer from the bench to the plant across all geographies
- Executing the scale-up process under the close and comprehensive monitoring of process engineers to ensure reproducibility and further refinement of subsequent procedures
- Utilizing a range of software tools such as Dynochem, AspenOne, and MixIT to anticipate process performance under varying scales and operating conditions. Through process simulation, engineers can fine-tune essential parameters to achieve first time right scale-up and enhance process efficiency.



- Lead Engineers with 12-18 years experience and Process Engineers with up to 10 years experience with versatile process knowledge capable of leading teams efficiently and driving multiple projects.
- Dedicated Team of Engineers for Process Modelling and Simulation studies to support Process Development and Scale up.

### Role of the Technology Transfer team

- Selection of fit for purpose plant, machinery, and technology
- Developing in-depth understanding of customer needs and process benefits to develop campaign reports

### Tech Transfer workflow

- Process understanding
- Process reproducibility at different scales
- Process monitoring

### Internationally validated approach

- Case study in International Society for Pharmaceutical Engineering (ISPE) – Good Practice Guide: Technology Transfer, 3rd Edition, 2018,

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