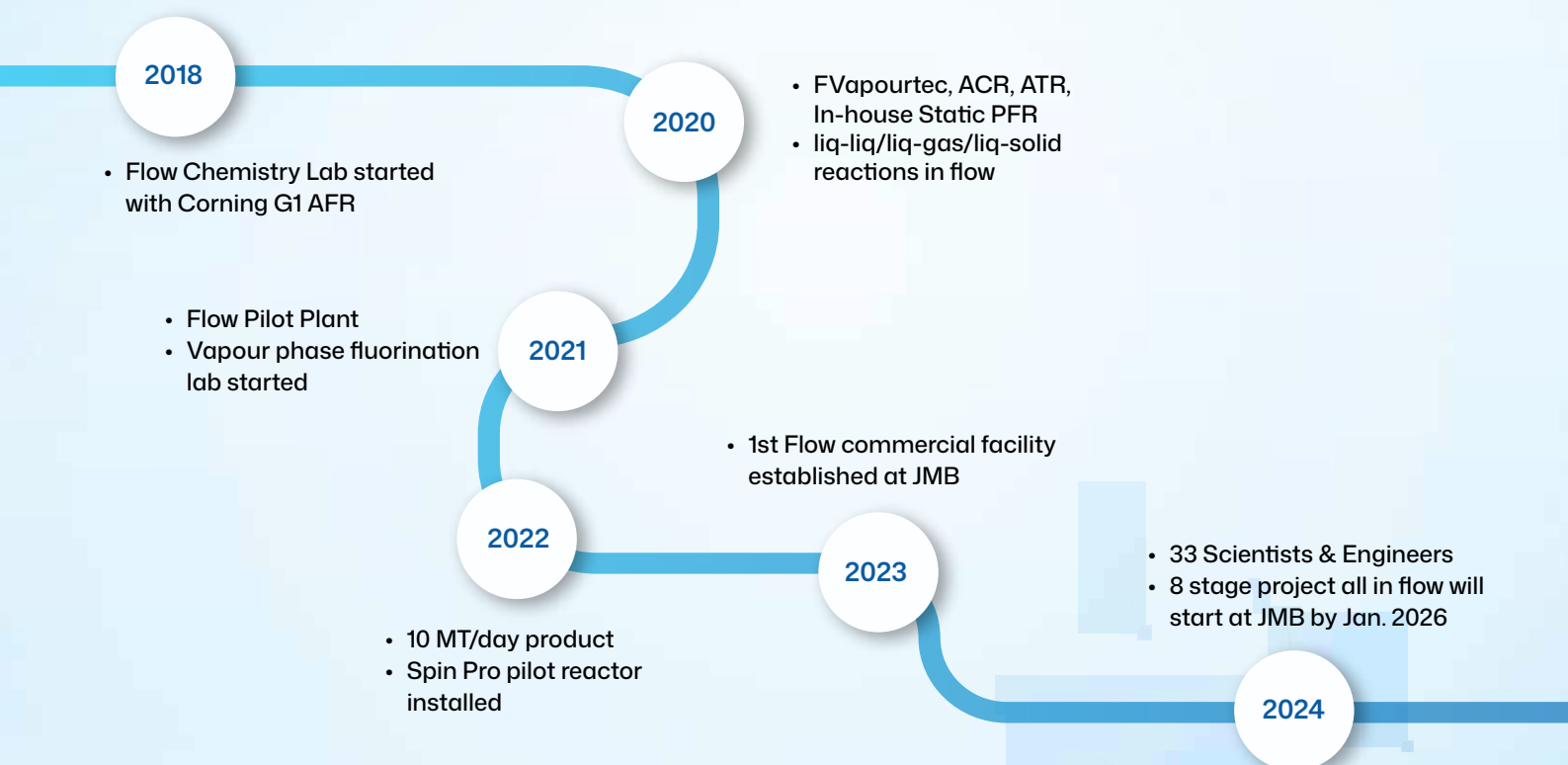


Revolutionizing Pharmaceutical Manufacturing with Advanced Flow Chemistry

At PI Health Sciences, we redefine precision, efficiency, and scalability in pharmaceutical manufacturing through our advanced Flow Chemistry Services. By optimizing atom economy, improving safety, and minimizing environmental impact, our Flow Chemistry capabilities extend from early-stage R&D to commercial-scale production. Our state-of-the-art facilities and deep scientific expertise allow us to deliver innovative, regulatory-compliant solutions tailored to the evolving needs of the pharmaceutical industry.

PI Journey In Continuous Flow



Flow Chemistry Capabilities



Flow Chemistry Process

Screening/POC

Initial experiments assess the feasibility of a flow chemistry process, evaluating various reaction conditions to establish a proof of concept

Production

The process is implemented commercially with dedicated equipment, focusing on consistent quality, efficiency & compliance

Optimization

This stage fine-tunes reaction parameters to maximize yield and efficiency, using analytical techniques to monitor & improve performance

Pilot Scale

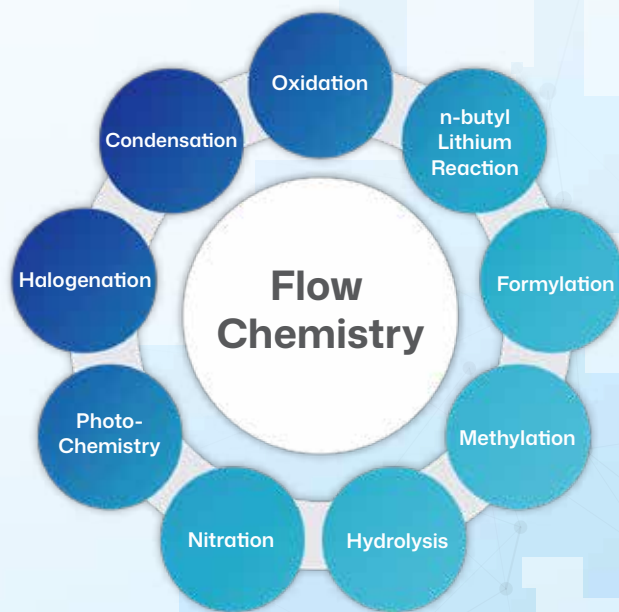
The optimized process is scaled up to a larger batch size to evaluate scalability and operational feasibility under real-world conditions



Key Highlights

- Kilogram scale in Hyderabad and Jaipur. 1 MT/day capacity pilot plant in Udaipur R&D center.
- Completely automated Flow Pilot Plant with PLC controller.
- Capability to carry out various hazardous reactions (heterogeneous and homogenous) having high pressure, temperature etc.
- Centralized LIMS system

Chemical Transformations Established



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Reimagining a healthier planet!