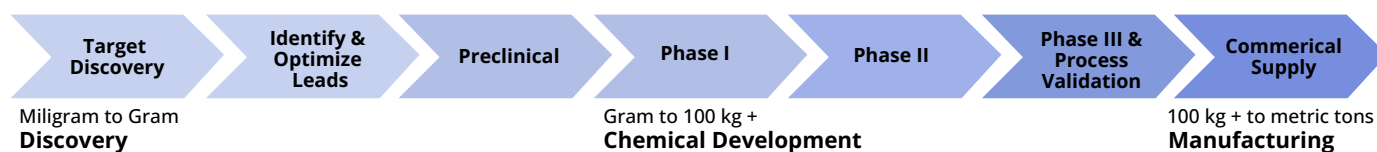


FLOW CHEMISTRY MANUFACTURING WITH CURIA

Curia can support your program across the drug development continuum

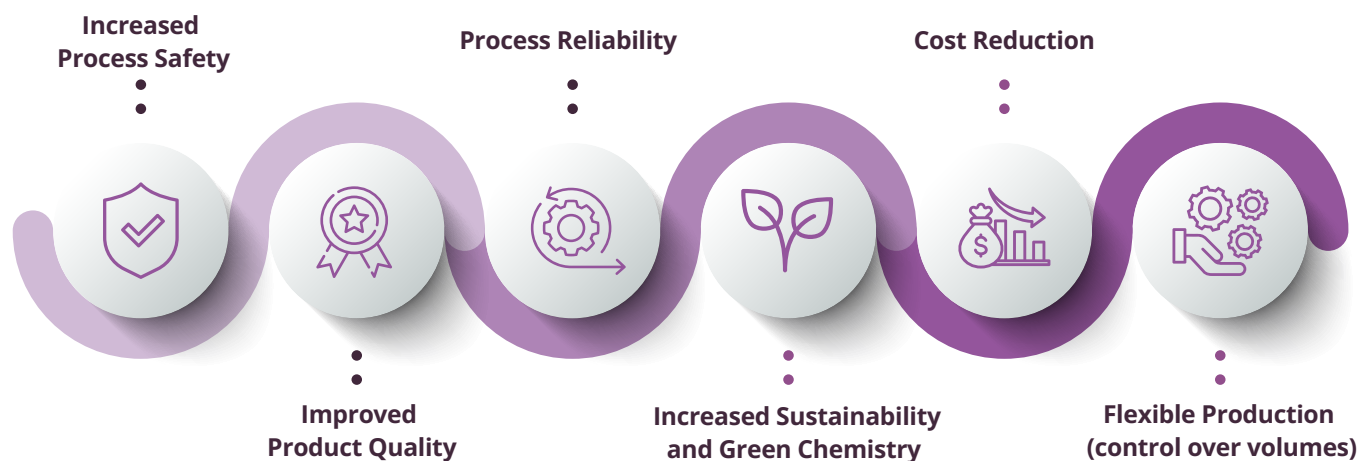
With extensive experience in complex chemistries tied to custom-designed reactors, we deliver high quality from lab-scale to large manufacturing scale in a faster and more cost-effective way than commercial alternatives.



	Sites	Capacity and Services	Core Expertise
From Lab-Scale	Hyderabad, India	- Gram-scale to multi kg - Reactor design - Discovery and development Services	- Photo reactors - Thermal reactors - Fixed-bed hydrogenation reactor - Jacketed microreactor
To pilot-scale and large manufacturing scale	- Hyderabad, India - Bon-Encontre, France	- Multi kg to ton scale - Development manufacturing services	- Photo reactors - Fixed-bed hydrogenation reactor (under development)

Curia's team of experts designs custom-made flow reactors to perform some challenging reactions for API manufacturing in a safe, efficient and cost-effective manner.

Advantages of Flow Chemistry



Increased Yield, Quality and Speed

- ▶ Continuous monitoring allows for tight control over the process, ensuring the highest quality product and increased yield thanks to no downtime in the process.
- ▶ Our custom-made reactors improve the residence time of commercially available ones at a fraction of the cost, becoming a faster and more affordable solution for API manufacturing

Increased Safety

- ▶ With better heat exchange and continuous removal of high energy intermediates, flow chemistry allows complex chemistries to happen in a safe and controlled manner at a larger scale than batch manufacturing permits.

Sustainable Approach

- ▶ Flow chemistry reduces the environmental impact by increasing energy efficiency, reducing waste and lowering the carbon footprint.

Some challenging reactions suited for flow processes

