



Making a Difference

Enabling Innovation in Vaccine Manufacturing

Glatt. Integrated Process Solutions.



Enabling Innovation in Vaccine Manufacturing

Today's Reality

Vaccines embody hope and resilience. Yet, the path from discovery to delivery faces steep hurdles
- **scaling complexity, high costs, and fragile supply systems.**



Escalating production costs and shrinking margins



Slow, high-cost legacy manufacturing systems



Limited flexibility from single-product facilities



Extended scale-up timelines delaying market response



COVID-19 exposed critical supply vulnerabilities

Enabling Innovation in Vaccine Manufacturing

Reimagining Vaccine Manufacturing

Future-ready vaccine manufacturing demands integration of advanced processes, partnership synergy, and smart investment. The goal: to make **quality vaccines accessible, faster, and more cost-effective worldwide.**

01

Shift toward flexible, modular biomanufacturing platforms

02

Strengthen collaboration among technology solution providers and DCVMN Manufacturers

03

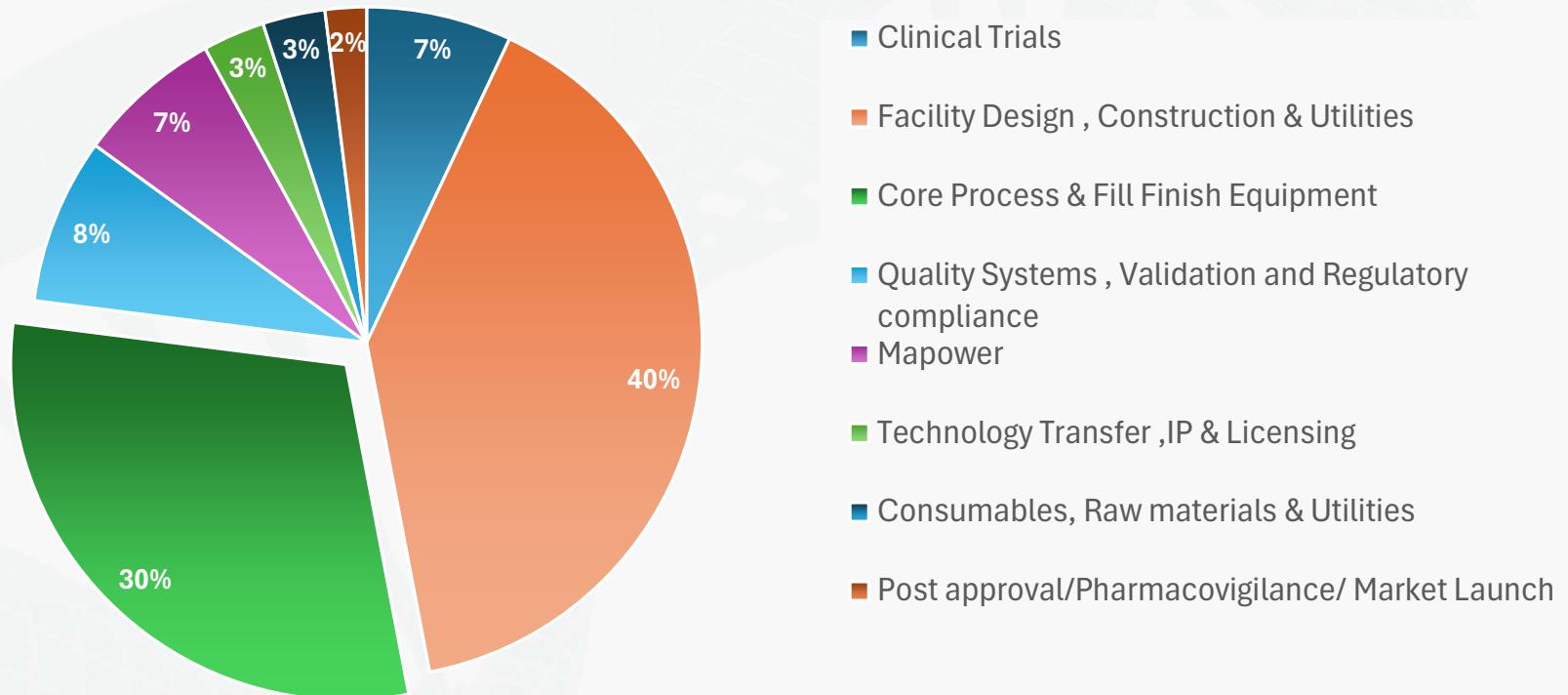
Optimize production with digitalization and process automation

04

Promote sustainable, compliant stainless-steel platforms for scale and quality



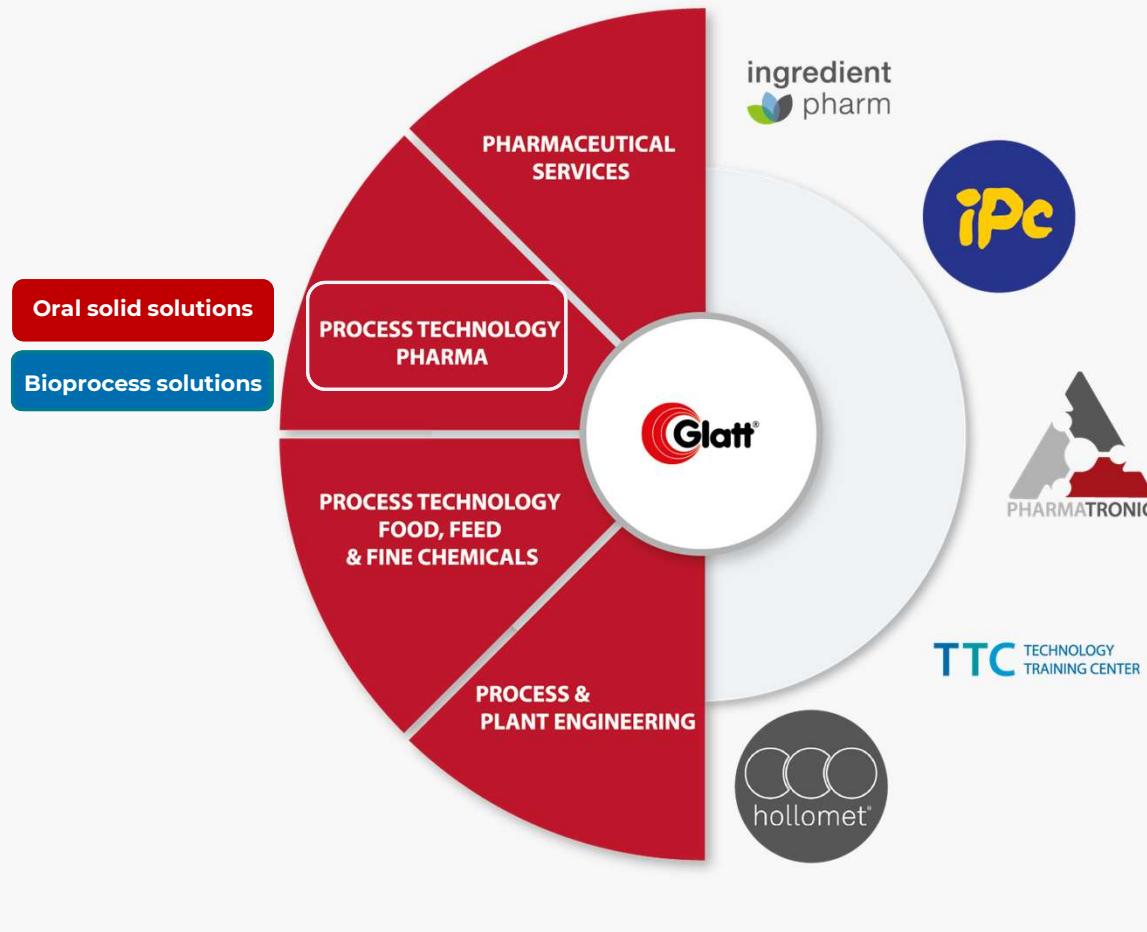
Cost Drivers for vaccine manufacturing



Scientific breakthroughs achieve true impact only when supported by **agile, affordable, and scalable production ecosystems.**

The Glatt Value Chain

Integrated Process Solutions.

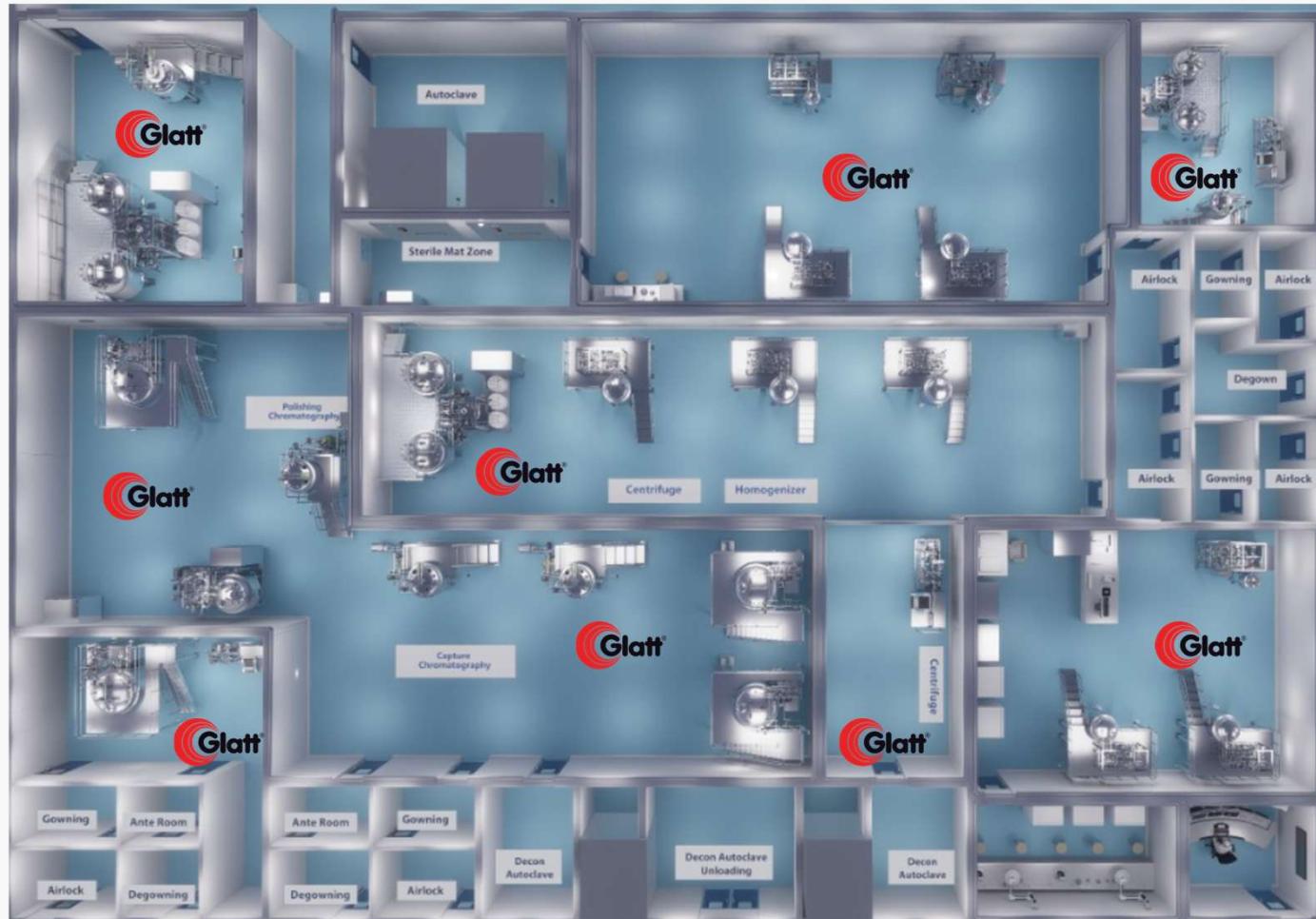


Global reach, local impact



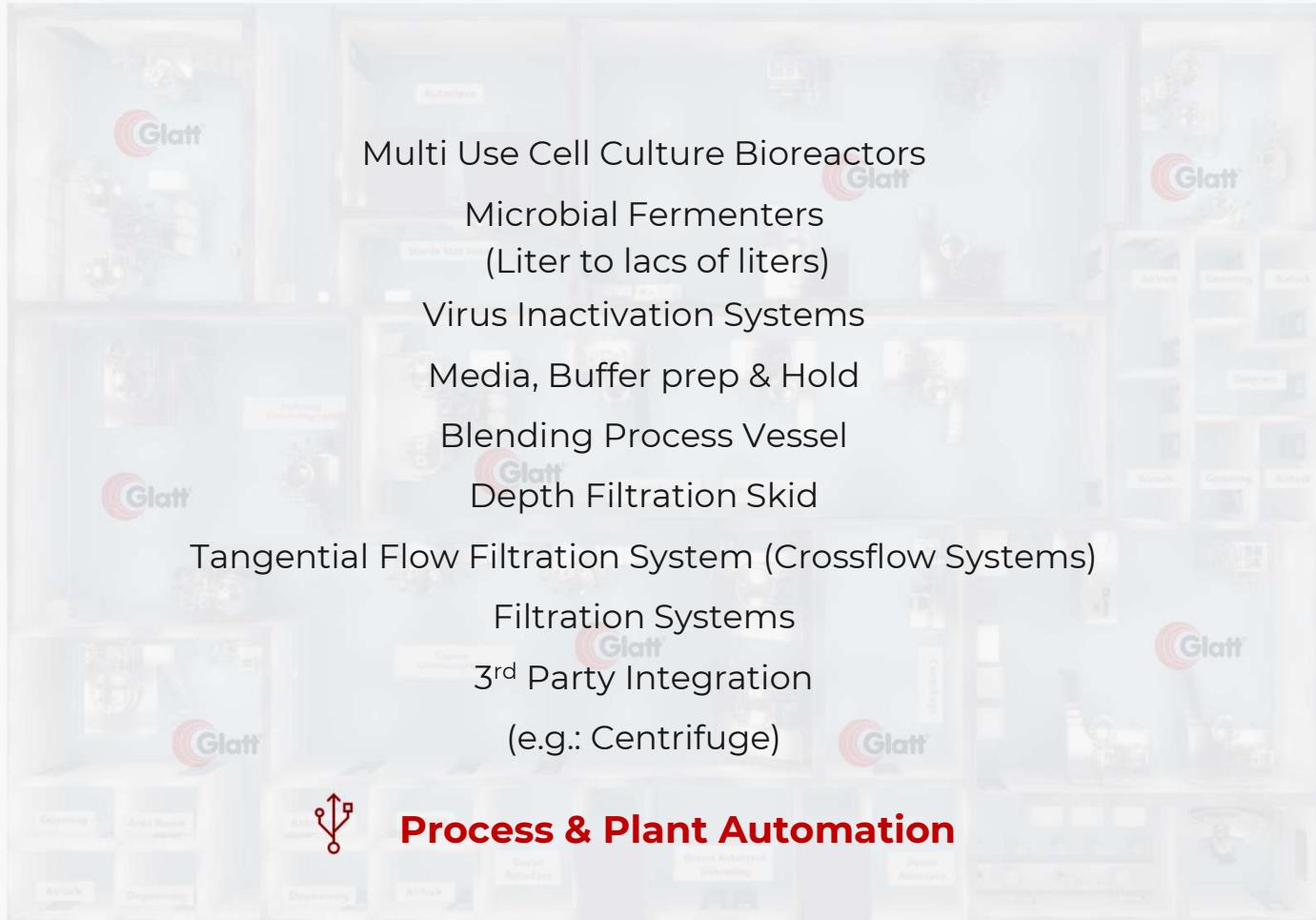
Technology for tomorrow

Our Value Proposition



Technology for tomorrow

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Technology for tomorrow

Scalable, flexible & capital efficient solutions



- Mobile reactors allows equipment reconfiguration based on pipeline needs in Product development lifecycle
- Scale expandable with minimal infrastructure changes
- Reduced Footprint
- Automation and Data Analytics ensures process integrity and compliance

**Stainless platform remains an industry standard for large scale
Vaccine Manufacturing**



Technology for tomorrow

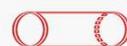
Centre of excellence @ Pune, India



Clean bioprocess zone



100% process contact within special zone



Dedicated piping prep area



Specialized manufacturing zone



Distinct FAT zone for comprehensive equipment/system validation

Laser cutting



CNC tube bending machine



CNC press brake



Automatic polishing shop



CNC orbital welding machine



Pickling & passivation shop





Glatt

Center of excellence @ Pune, India

Compliance & documentation



Underwriters
Laboratories



RWTÜV



Risk assessment performed by CFT using FMEA tool for design, manufacturing, automation

[confidential – For internal use only]



Global Customer-First Service Philosophy

Service & continuous support



End-to-end project involvement from conception to commissioning



24/7 Online Support & Equipment Lifecycle Management



Capability enhancement program (CEP)



Comprehensive contracts for preventive maintenance & breakdown management



Dedicated teams for spare parts & retrofits for sustained performance

Our service excellence is driven by **highly trained personnel** strategically **positioned worldwide**, ensuring **prompt support** through comprehensive maintenance contracts

Together, Redefining Tomorrow

As a global technology solutions provider with significant investments and infrastructure in a DCVMN country, Glatt remains true to its culture of innovation and is eager to collaborate with vaccine manufacturers across DCVMN nations and share their mission to deliver **safe and affordable vaccines for all.**





LIMITLESS

Solids, Bio, & Beyond...

Step into the world of possibilities!

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