

# Process Intensification FAQs

Process intensification is a major step for any company, regardless of size. In this article, we speak with Philip Probert, Director of Biologics at CPI. Philip answers some of the most common questions we hear from organisations exploring this approach.

## 1. How do I know if Process Intensification is right for me?

*A good indicator is if you're facing cost pressure, scale limitations, long development timelines, or upcoming tech transfer decisions. CPI's staged pathway can quickly provide the clarity you need. A one-month Feasibility Sprint uses your existing data to compare options and reveal potential benefits. Follow-on perfusion trials and targeted development work deepen insight, validate assumptions, and predict performance at scale. Together, these stages show where intensification will have the greatest impact.*

## 2. What's the difference between intensification and continuous processes

*Intensification focuses on increasing productivity, reducing footprint, and improving efficiency—whether the process runs in batches or continuously. Continuous processing is one form of intensification, but you can intensify without going fully continuous. Many companies start by intensifying individual steps before adopting end-to-end continuous flow.*

## 3. I have been using my process for many years, is it too late to intensify?

*Not at all. Established processes often benefit the most, because even small gains in yield, buffer usage or resin consumption translate into major cost savings. Most of the*

*companies we work with are modernising legacy processes. With the right data and the right set-up, it's absolutely possible to unlock significant improvements.*

#### **4. Our equipment stack is from different vendors, will this be a problem?**

*No. CPI's system is compatible with equipment from multiple suppliers. This reduces potential tech-transfer issues and mirrors the real-world environment you'll face in your own facility or CDMO.*

#### **5. What evidence will you provide to show that the economics work?**

*You'll receive clear data from our models showing expected changes in COGS, buffer use, resin requirements, energy demand and waste **before** you commit to any capital decisions.*

#### **6. How do I know if this will be reproducible at scale or with our CDMO?**

*CPI uses an **industrial DCS**, widely adopted **PAT tools** and commercial unit operations. This means the control strategy and data package generated during your sprint can be transferred cleanly to CDMOs and larger manufacturing environments.*

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