

Why choose a modular automated approach to autologous CAR T manufacturing?

With over 10 commercially available therapies and more than 25 000 patients now treated, autologous CAR T therapies have proven themselves in the clinic.

However, significant challenges still face manufacturers, including high costs, frequent batch failures and delays, and traditional technologies that do not integrate well into advanced manufacturing workflows.

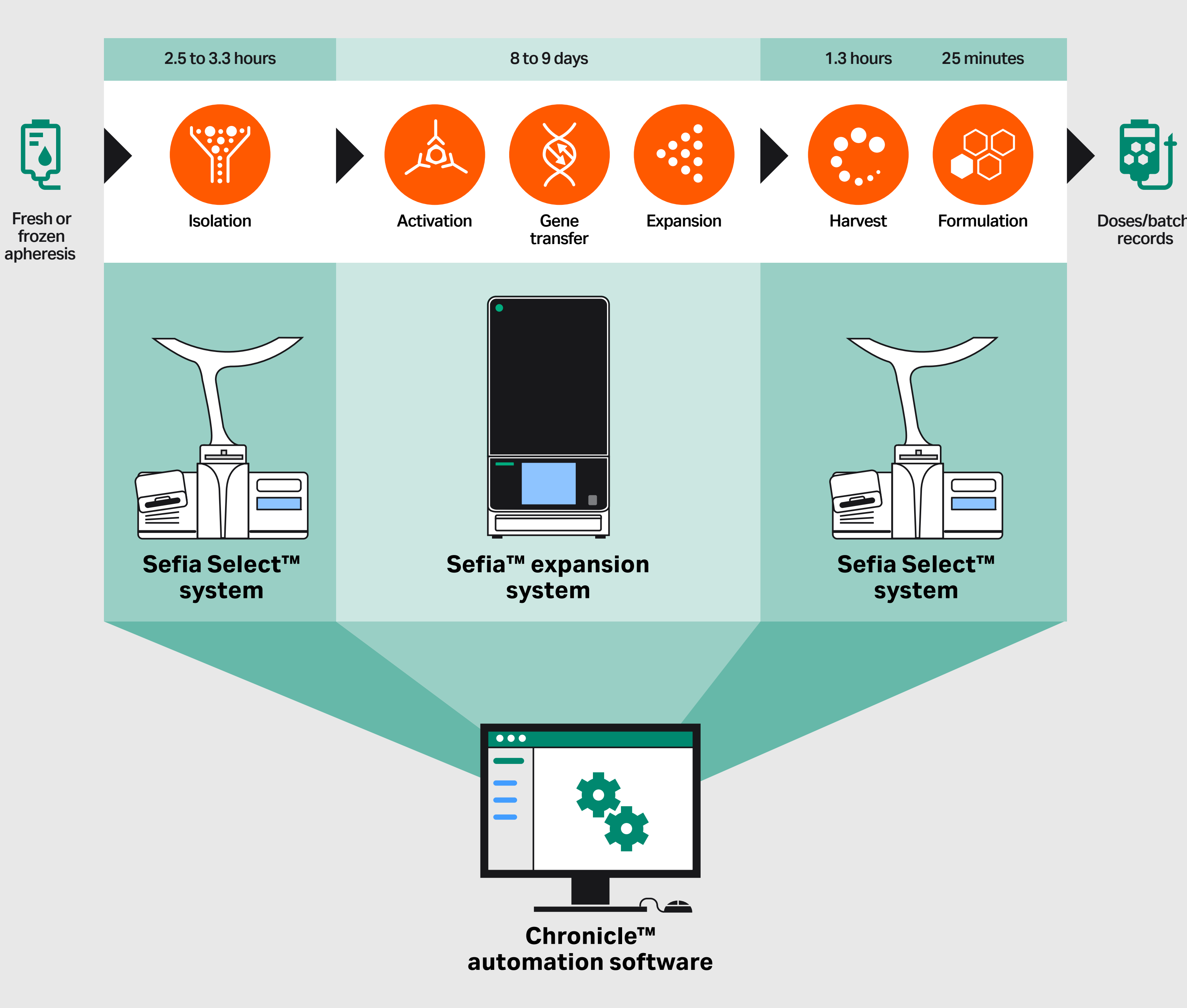
This infographic provides insights and case study data demonstrating the benefits of a modular manufacturing approach, which helps to increase productivity by optimizing equipment usage.

A modular system can mitigate risk, optimize available resources, and increase productivity

Modular approaches to manufacturing can help to address multiple issues facing the cell therapy space by helping to mitigate risk, optimize available resources, and significantly increase productivity.

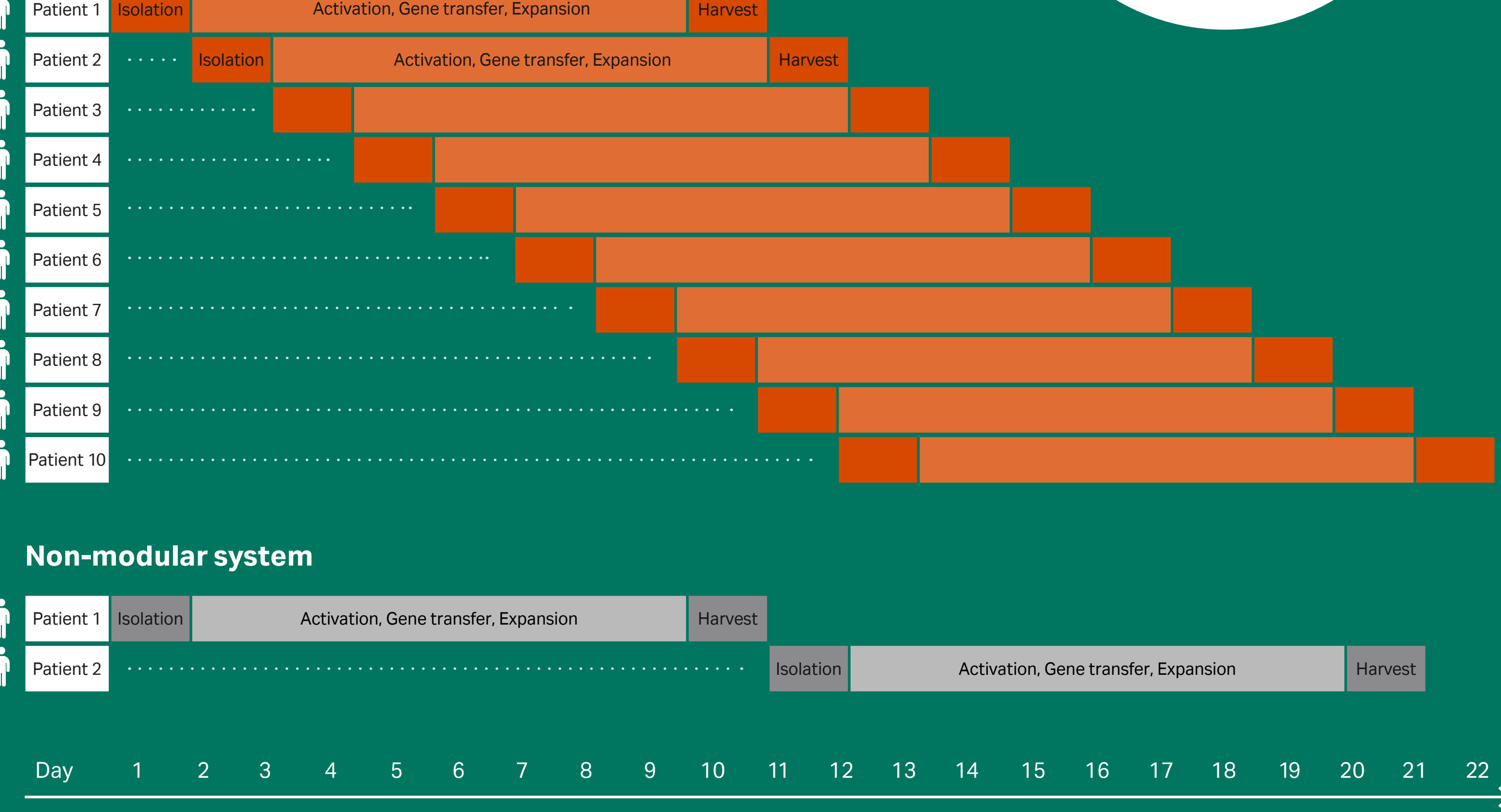
The Sefia™ cell therapy manufacturing platform is a modular, digitally integrated platform which combines two functionally closed systems to cover the entire cell therapy manufacturing workflow.

The Sefia Select system is used for just a few hours of the entire manufacturing process. With traditional manufacturing approaches, the cell activation, transduction, and cell expansion steps can cause a significant bottleneck on the overall process, preventing the start of the next manufacturing process.

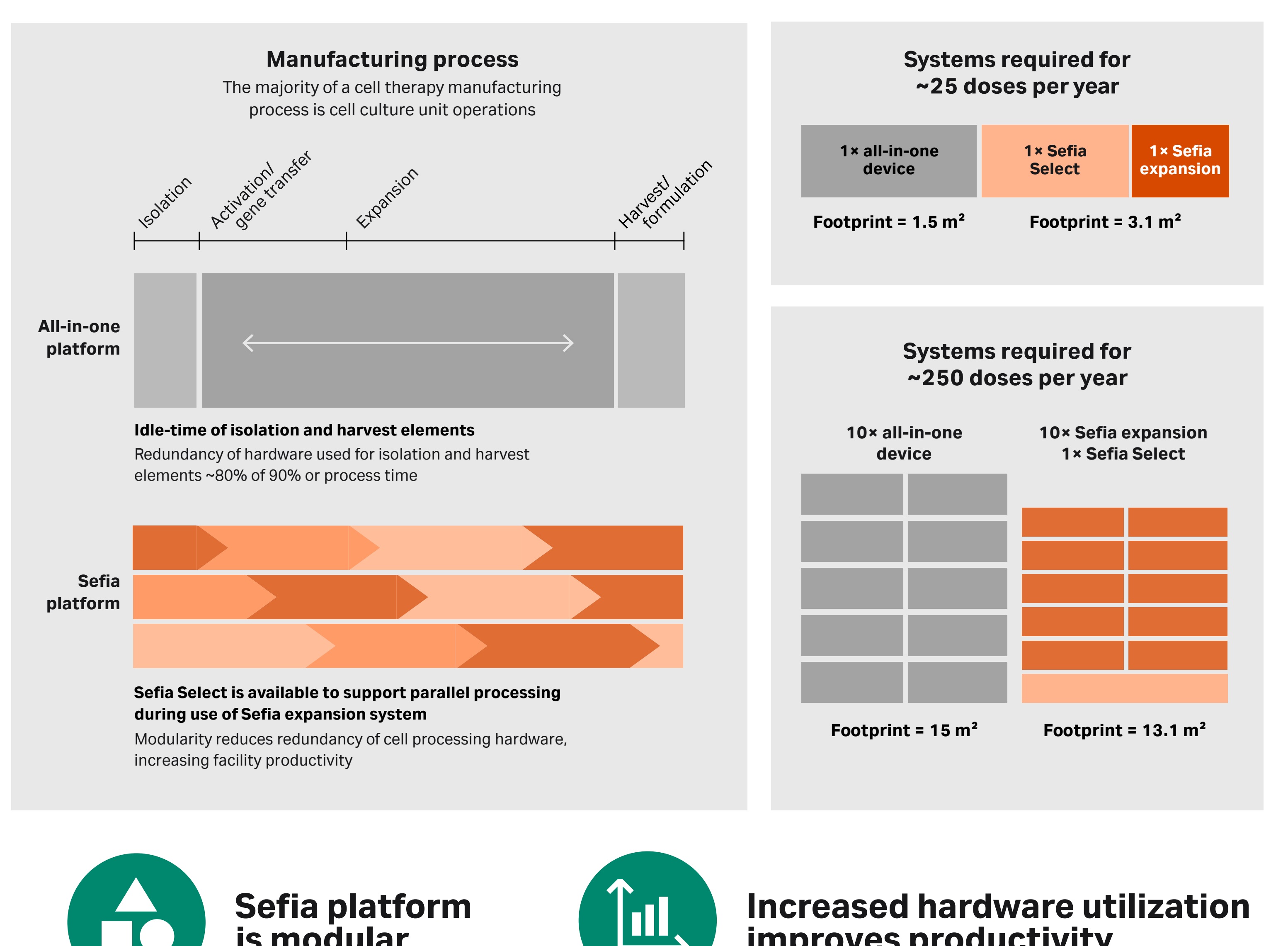


A modular system reduces redundancy by enabling parallel cell processing

Once T cells from patient 1 are isolated with the Sefia Select system and transferred to a Sefia expansion system, isolation of cells from patient 2 can begin.

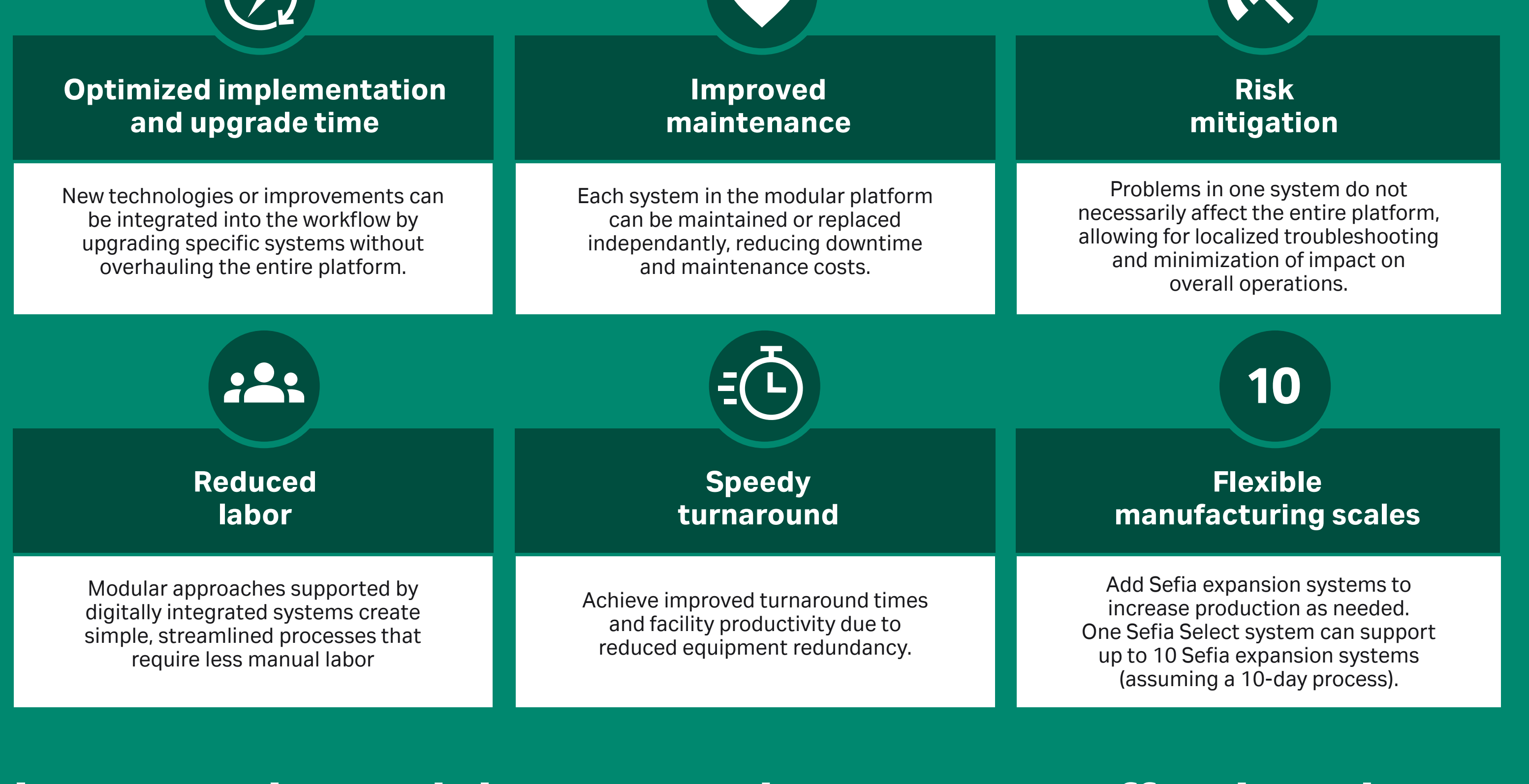


Optimizing facility utilization



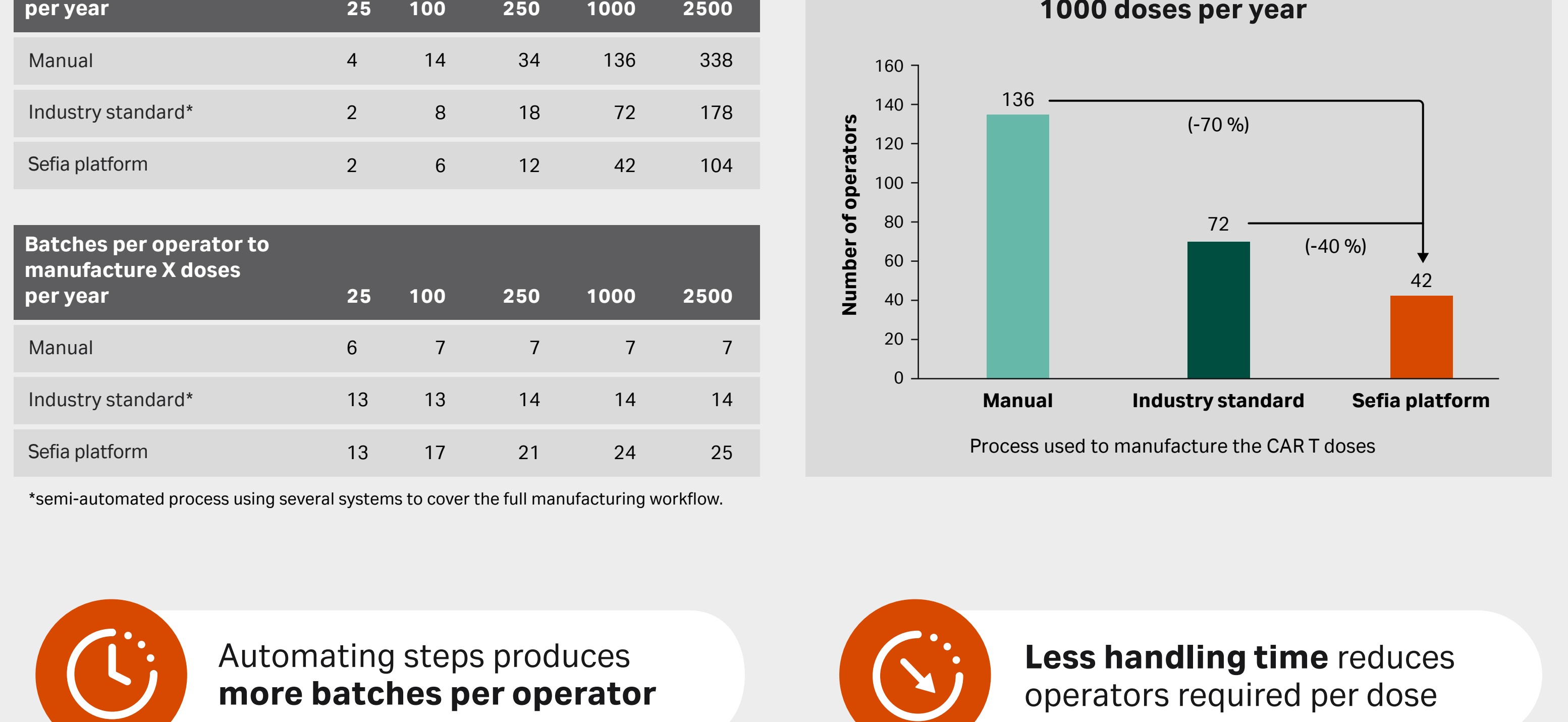
- Sefia platform is modular
- Increased hardware utilization improves productivity

Additional advantages of a modular approach



Importantly, modular approaches are most effective when supported by digitally integrated systems that create simple, streamlined processes and reduce manual labor requirements.

Case study: Modular manufacturing systems and automation of key steps reduce operator handling time and increases productivity



- Automating steps produces more batches per operator
- Less handling time reduces operators required per dose

[See it for yourself. Request a demo.](#)