



SIEMENS

Ingenuity for life



Digital enterprise for the
medical device industry

Digitalization is everywhere. And everything.

[siemens.com/plm/medical-digital-enterprise](https://www.siemens.com/plm/medical-digital-enterprise)

Why digitalization?

Medical device organizations must embrace the digital enterprise in order to transform business. By embracing digitalization, companies can take advantage of technology drivers across each phase of operations.

Digitalization is realized in the ideation phase, the manufacturing phase; and finally, in the use phase.

The results?

- **Manufacturing excellence**
Raise productivity and increase speed-to-market
- **Improve quality**
Reduce warning letters and adverse events
- **Enhance accuracy**
Eliminate the paper trail and achieve traceability throughout all processes
- **Reduce complications**
Identify issues sooner and avoid errors altogether

• Realize success

Costs go down and the bottom line goes up

Why Siemens Digital Industries Software digital enterprise?

Digitalization is achieved through ideation in the innovation phase, realization in the manufacturing phase, and finally, utilization through the end-use phase.

Only Siemens Digital Industries Software provides integrated software solutions across the entire lifecycle, from ideation to realization to utilization.

Our digital enterprise solutions:

- Connect product-focused PLM environments to a global production planning environment where digital twins of manufacturing processes are created for proactive, virtual error-proofing
- Distribute digital production plans to ERP and MOM systems for local plant refinement and subsequent manufacturing execution of production orders

- Use big data collected from device utilization to help identify trends and root causes driving changes to both device and product specs

Our solutions are uniquely able to weave digital threads and leverage digital twins across the enterprise.

Realizing medical device innovation using digital enterprise solutions is *the* critical success factor for the next generation of medical device design and manufacturing.

How to achieve a digital enterprise program?

