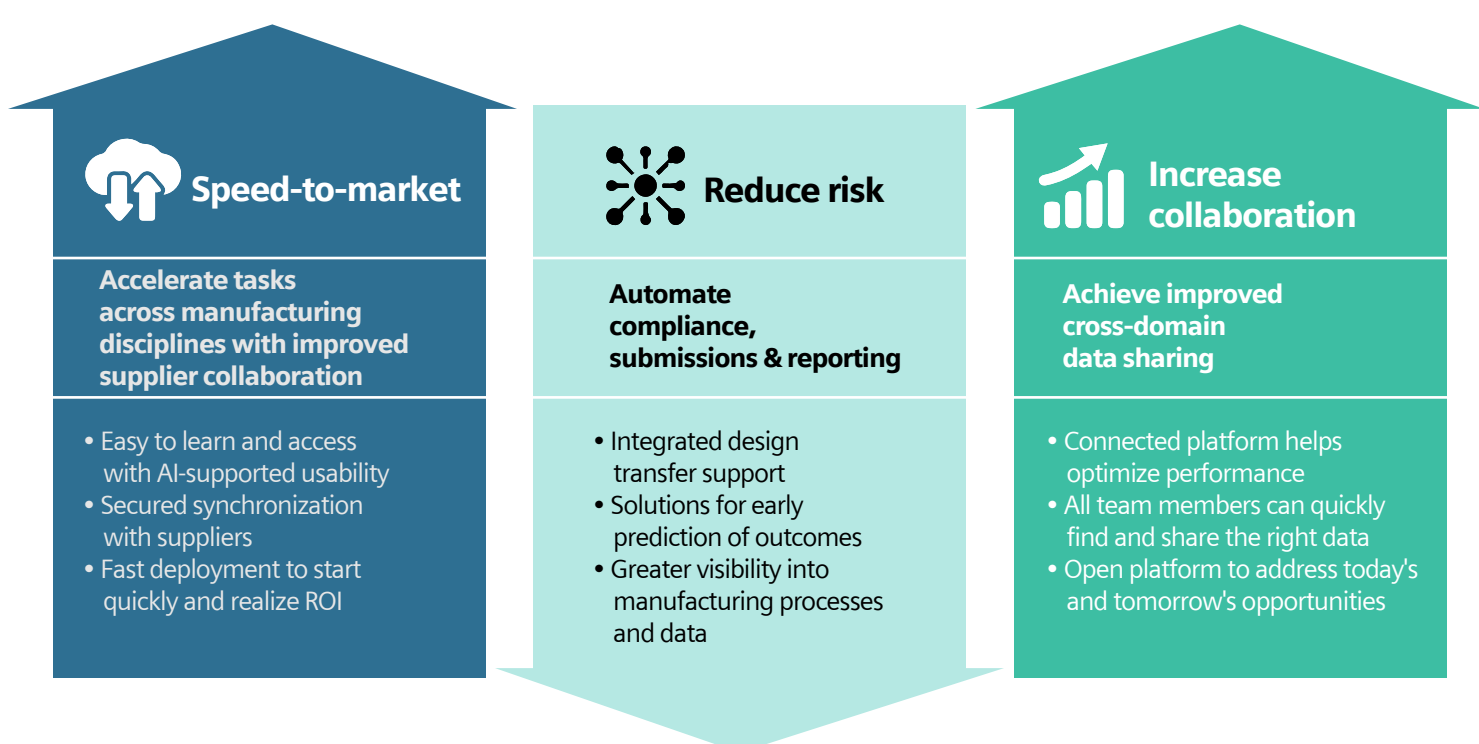# SIEMENS

Siemens Digital Industries Software

PLM for Medical Devices
Deliver Innovation at Warp Speed

How your company can benefit from product lifecycle management (PLM)

Speed-to-market
Accelerate tasks across manufacturing disciplines with improved supplier collaboration

- Easy to learn and access with AI-supported usability
- Secured synchronization with suppliers
- Fast deployment to start quickly and realize ROI

Reduce risk
Automate compliance, submissions & reporting

- Integrated design transfer support
- Solutions for early prediction of outcomes
- Greater visibility into manufacturing processes and data

Increase collaboration
Achieve improved cross-domain data sharing

- Connected platform helps optimize performance
- All team members can quickly find and share the right data
- Open platform to address today's and tomorrow's opportunities

Key trends driving investment in PLM

- **Market Pressures**
- **Smart & Connected Devices**
- **Regulatory Scrutiny**

> Data professionals are losing 50% of their time every week: 30% searching for, governing and preparing data plus 20% duplicating work.
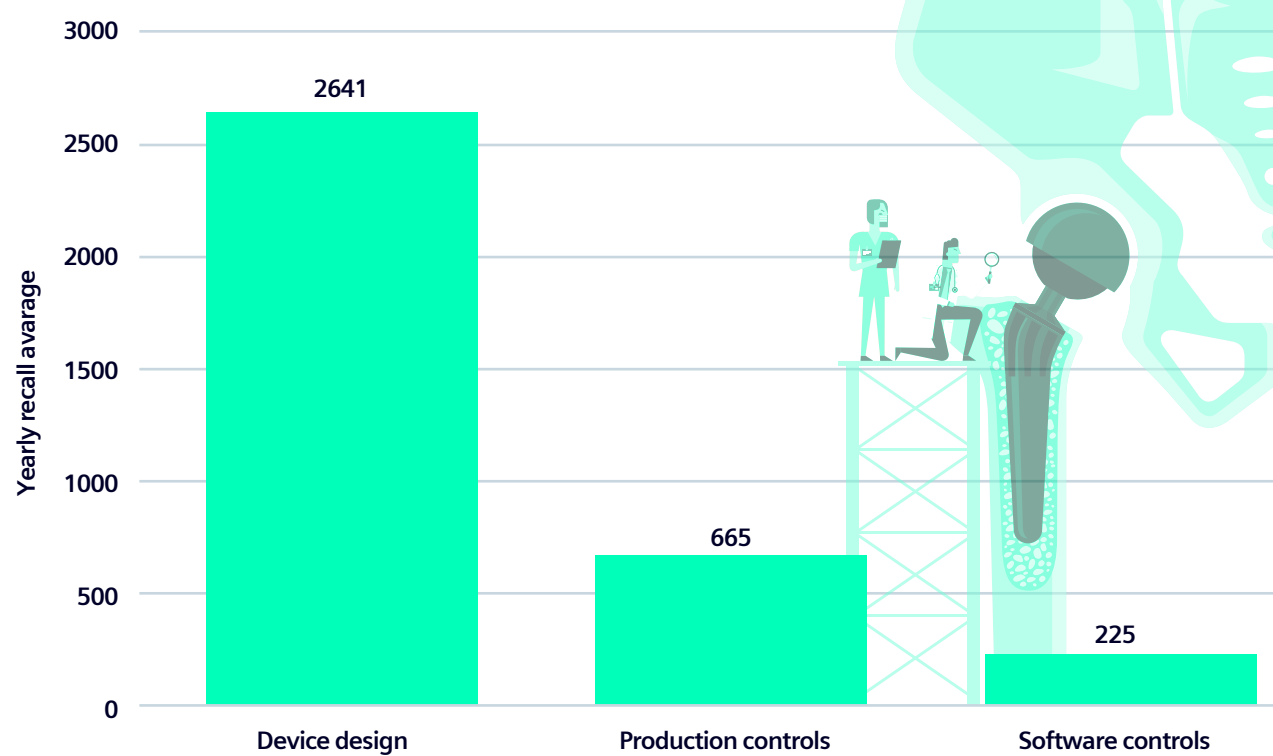>
> IDC, "The State of Data Discovery and Cataloging," January 2018

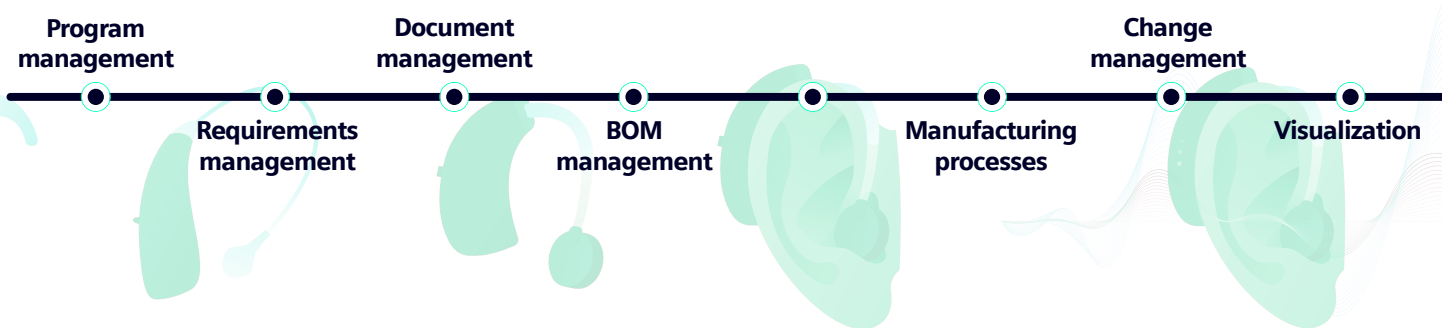## Cross-domain integration is key to successful PLM implementation

- Documents
- Bill of Materials
- Design Data
- Schedules
- Risks & Requirement
- V&V
- Issues & Change

Device design tops the reason for recalls

Leading causes of medical device recalls in the U.S. for the period 2010-2015

Bar chart — Yearly recall avarage:
- Device design: 2641
- Production controls: 665
- Software controls: 225

Source: Food and Drug Administration; MD+DI; Blue Lynx Consulting

Streamline the entire product lifecycle

- Program management
- Requirements management
- Document management
- BOM management
- Manufacturing processes
- Change management
- Visualization

Importance of BOM Management

80% of BOMs contain errors

40% of BOMs have parts errors, inconsistent content, or missing data

8% of entire BOMs have obsolete parts

Source: International Electronics Manufacturing Initiative (iNEMI)

Efficiencies of PLM for Medical Devices

- Break the silos
- Traceability through departments
- Common repository for design, manufacturing and quality data
- Change management across domains

Why implement a SaaS solution?

- Increase reliability
- Reduce overhead
- Lower costs
- Global access

For more information, visit:
siemens.com/plmmd