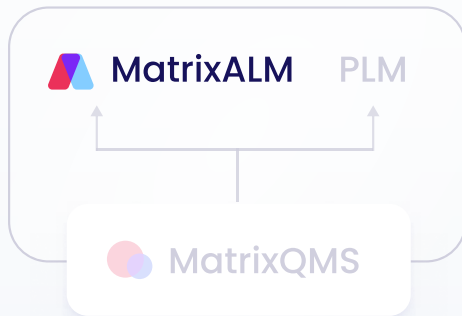# Overview

MatrixALM PLM

MatrixQMS

Elevate your product journey with an ALM that ensures seamless Software as/in a Medical Device evolution.

A' one-size-fits-all' approach falls short in today's rapidly evolving SxMD landscape. Tailoring your toolkit with best-in-class solutions ensures you have the right tool for each critical function.

Why MatrixALM?

MatrixALM uses version-controlled data items configured according to the product lifecycle phases and process requirements. These items are linked with each other through the development cycle of the product. This setup allows agile work and makes it easy to trace design decisions and risk control.

FAQ

How does an ALM manage medical device design and maintenance differently from a PLM?

ALM systems are designed to support engineers with complex design and development tasks, to ensure the final device releases are properly documented and validated. PLM systems focus on storing the final documents and supporting the production of hardware.

Can an ALM help with the necessary documentation for software validation?

ALM systems streamline the process for capturing, storing, and retrieving documents making it faster and more efficient. It excels in managing software requirements, enabling traceability and linkage between requirements, test cases, and test protocols so you can generate accurate validation documentation for software.

How can an ALM help to comply with coding standards like IEC 62304 or IEC 82304?

ALM systems help to create all the documentation including requirements, specifications, tests, traceability, and more in order to prove the software has been designed, implemented, verified, and validated as required by the standard.

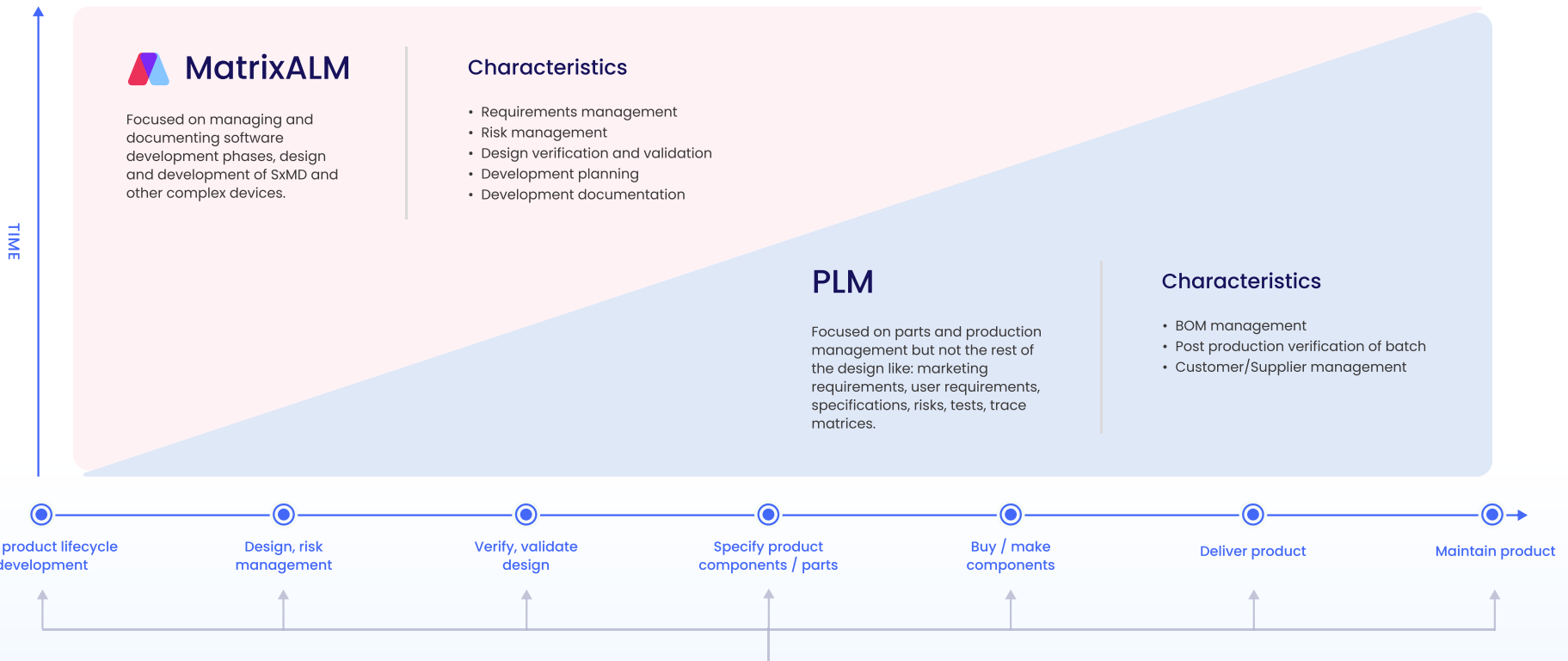### Can Matrix integrate with my mission-critical applications?

Yes. Matrix has a REST API and an SDK to support connections with external systems, as well as, existing integrations with Jira, Zephyr, Azure DevOps, GitHub, GitLab. We also offer platinum support for teams who want us to create custom scripts to ensure you have data consistency between the systems you use.

When should I use an ALM or PLM?

Use an ALM if you have complex medical devices or any device with software. Use a PLM if you have very simple hardware-only, medical devices. Use both if you have medical devices with software and hardware you manufacture yourself.

ALM vs PLM **explained**

Leverage the right tools at the right time.

MatrixALM

Focused on managing and documenting software development phases, design and development of SxMD and other complex devices.

Characteristics

- Requirements management
- Risk management
- Design verification and validation
- Development planning
- Development documentation

PLM

Focused on parts and production management but not the rest of the design like: marketing requirements, user requirements, specifications, risks, tests, trace matrices.

Characteristics

- BOM management
- Post production verification of batch
- Customer/Supplier management

TIME

Start product lifecycle development
Design, risk management
Verify, validate design
Specify product components / parts
Buy / make components
Deliver product
Maintain product

MatrixQMS

Defines how to do tasks and processes in the product lifecycle phases and keeps records like CAPAs and supplier information.

Characteristics

- SOP management
- Work Instruction management
- CAPAs management
- Supplier records
- Training