

## PRODUCT BRIEF

# IP Management and Collaboration for Faster Chip Design

Helix IPLM (formerly Methodics IPLM) is an IP lifecycle management platform that tracks IP and its metadata across projects to deliver end-to-end traceability, streamline the release process, and provide a single source of truth for all design elements.



## Tame Design Complexity with IP-Centric Design

Helix IPLM helps you address ever-increasing design complexity by providing a centralized system for design management across all types of projects and platforms. This enables an IP-centric design methodology that allows your team to:

- Eliminate project-centric design silos to improve collaboration.
- Find and reuse IP more effectively to avoid “reinventing the wheel.”
- Achieve end-to-end traceability to ensure regulatory compliance and understand the cross-project impact of known issues.
- Streamline design efforts with seamless coordination across teams and projects.

## Unified, Scalable Data Model

At the core of Helix IPLM is a unified data model that easily matches the volume, complexity, and highly iterative pace of IC and systems design.

In Helix IPLM, all design elements are modeled as IP objects. This includes everything from internal and external design blocks, subsystems, and SoCs, to design environments

and the whole platform, allowing the entire project and all related metadata to be modeled as a complete, hierarchical collection of IPs.

Enterprise-grade security protects your critical IP assets from every angle, *anywhere in the world*.

## Key Features of Helix IPLM

- **Automated release management** to streamline release handoff and integration and improve collaboration between IP producers and consumers.
- **Fully traceable, centralized IP catalog** for improved IP discovery and reuse – and a single source of truth for all design data.
- **Rapid workspace creation and management** with advanced caching and data distribution to improve productivity.
- **Versioned, hierarchical bill of materials** for hardware, software, and the platform for a complete, immutable view of the project, including all versions and dependencies.

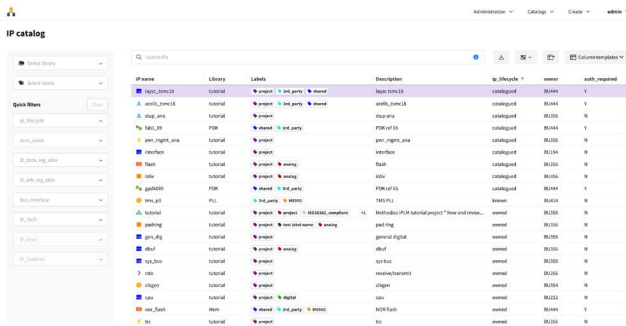
## Automated Release Management

One of the most critical parts of design is deciding when a block is ready to be used by others. Helix IPLM automates this release process, with configurable pre-release and post-release hooks and triggers. This ensures an IP will only be made available to others once it meets your organization’s standards for **IP quality and maturity**.

Helix IPLM includes hierarchical release mechanisms for quality-driven release flows. So IP blocks are always released in the correct order, based on design dependencies.

## Dynamic, Centralized IP Catalog

Helix IPLM provides a scalable IP catalog with powerful search and filtering capabilities, allowing designers to easily find the IP they need. The catalog is automatically updated as new versions of an IP are made available, as well as anytime a new design uses an IP.



Centralized IP Catalog

Fine-grained permissions based on role and geography ensure designers can only access the IP that is available to them. And support for user-defined fields ensures Helix IPLM fits seamlessly into your existing methodology.

With Helix IPLM, every aspect of the IP lifecycle is tracked in a single, unified location, and visible to all stakeholders in configurable dashboards. You get a single source of truth for all design information. And fully traceable designs, from requirements through verification.

## Rapid Workspace Creation & Management

Helix IPLM keeps your team productive with advanced **IP and data caching infrastructure** that reduces workspace creation time from hours to seconds – and dramatically decreases data

storage requirements. Designers have instant access to the files and data they need.

Centralized workspace management allows admins to standardize project configuration and scripting across the organization. And easily control the design files, IPs, tool configurations, machine resource allocation, and other infrastructure components available to team members.

## Hierarchical Bill of Materials

Helix IPLM provides a single source of truth for creating and managing your bill of materials (BoM). With a hierarchical BoM for hardware, software, and the platform, you get a complete view of the project, including all versions and dependencies.

These immutable, versioned IP releases allow you to easily create and reproduce correct-by-construction workspaces from the IP hierarchy. And ensure quality through **centralized management** of IP integration rules and checkpoints. For example, you can define which range of hardware IP versions a software component is compatible with. So, if a hardware team upgrades, Helix IPLM will flag compatibility mismatch.

## Open Integration

- Helix IPLM’s multi-DM model integrates seamlessly with industry standard data management tools like **Perforce Helix Core**.
- **Jira integration** ensures your designers are aware of any bug that impacts their projects, including exactly which IP versions are affected.
- Integration with other bug tracking, requirements management, test management, and other solutions is available via open REST APIs.
- Relevant information from other systems is linked and tracked as metadata within Helix IPLM to maintain comprehensive traceability from requirements to tapeout.

## Get Started with Helix IPLM

Talk to one of our IP experts to learn more.

**TALK TO AN EXPERT**

[perforce.com/products/helix-iplm/talk-expert](https://perforce.com/products/helix-iplm/talk-expert)