Bentley®
Advancing Infrastructure

ComplyPro
Rail Progressive Assurance Software

ComplyPro simplifies the delivery of progressive assurance on complex rail projects, reducing the cost and time typically associated with poor design visibility and lack of compliance during the build phase. Progressive assurance is an advanced methodology supported by fundamental systems engineering and assurance concepts and principles that provides a structured project-wide framework to deliver systems, technical, and safety assurance across infrastructure projects.

Manage Assurance of the Design and Delivery Process

The application deciphers the governance of assurance processes, allowing your teams to manage assurance of the design and delivery process collaboratively. This reduces the need for costly parallel assurance processes and increases the integrity, efficiency, and quality of design and delivery.

ComplyPro enables rail users to adopt a unified approach to compliance and assurance, providing greater visibility into project health and flagging issues much earlier than traditional methods allow. You can trace high-level project requirements and their decomposition through design and delivery to ensure compliance. As requirements and their inter-dependencies are fully traceable, this enables the rapid assessment of the impact and cost of change as it occurs across the project.

Railways Use ComplyPro to:

- Support a systems engineering approach and best practice for rail projects
- Deliver a progressive assurance capability for improved visibility of project progress and health
- Centralize assurance expertise, reduce silo engineering, and improve engineering efficiency
- Demonstrate compliance with recognized safety standards
- Mitigate risks associated with project lifecycle processes to achieve fully assured and compliant projects
- Improve delivery performance by ensuring the project meets reliability and maintainability objectives
- Reduce costly delays and overruns by continuously assuring the project throughout the lifecycle
- Speed up the entire project by ensuring a readily available flow of information

ComplyPro Capabilities

Rail Project Requirement Management

Ensuring that you have a robust requirements management process is the foundation of any large infrastructure program. With ComplyPro you can clearly

Manage rail project requirements.

define, document, and manage project requirements. The application enables your teams to raise, log, track, and resolve issues throughout the project lifecycle and maintain them in a register so they are recognized and dealt with efficiently.

Smarter Rail Project Specification Development

ComplyPro enables you to advance project specifications from the earliest conceptual stage to ensure that cross-discipline expertise and knowledge are merged to deliver smarter, better-engineered solutions.

Collaborate with Multi-discipline Design Teams

Streamline your design workflows with global worksharing and collaboration across your distributed design teams. ComplyPro allows you to remove geographic and technology boundaries so that each project team member can find, track, share, and reuse project information, engineering data, and communications for active team participation.

Effectively Manage Complexity

ComplyPro ensures that inter-related information is clearly documented, visible and traceable across the project team ensuring nothing is missed and teams can assess the impact of unforeseen changes, top down or bottom up. This allows the project team to make informed decisions and react before critical milestones.

Manage Project Requirements

Define, document, prioritize, and trace the fulfillment of multiple types of requirements. Requirements management is a continuous process that links design specifications to mandated requirements and ensures operational and regulatory compliance. Information is updated in real time, automatically propagated, and made accessible to stakeholders when and where it is needed.
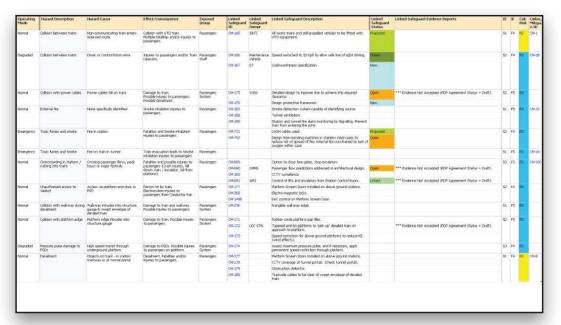
Reduce Risk and Manage Safety Hazards

ComplyPro provides stakeholders and management teams with unprecedented and progressive visibility of the true health and progress of a project. You can identify, record, analyze, and implement measures to mitigate and control the effects of safety hazards. State-of-the-art real-time dashboards aggregate project assurance information to allow management to manage by exception — dramatically reducing the opportunity for corporate risk.

ComplyPro At-A-Glance

• Support a system's engineering approach and best practice for rail infrastructure projects

• Centralize expertise, reduce silo engineering, and improve engineering efficiency

• Promote collective understanding through access to a single project-wide assurance database

• Elicit, document, and manage project requirements and track stakeholder requirements throughout the entire project lifecycle

• Create traceability links between verification and validation evidence and project functional requirements as a basis of progressive assurance approach

• Collaboratively develop rail project specifications

• Raise, log, track, and resolve design issues and assumptions

• Identify, manage, control, and mitigate project-wide safety hazards

• Set benchmarks to enable effective project and budget management

• Systematically manage systems interfaces across the project and contractual boundaries

• Stay on top of changes in standards and regulations

• Use "management by exception" to identify assurance "hot spots" and improve engineering management efficiency

• Assess the impact of unforeseen changes to make informed decisions and react before critical milestones

• Engage collaboratively around a single view of the evolving project specification

• Remove error-prone and fragmented practices and improve project design and delivery efficiency

• Reduce rework costs by identifying issues earlier

• Immediately highlight inconsistencies between specification, design, and deliverables

• Quickly see the impact of change and more accurately assess the cost of change

Manage project-wide safety hazards.