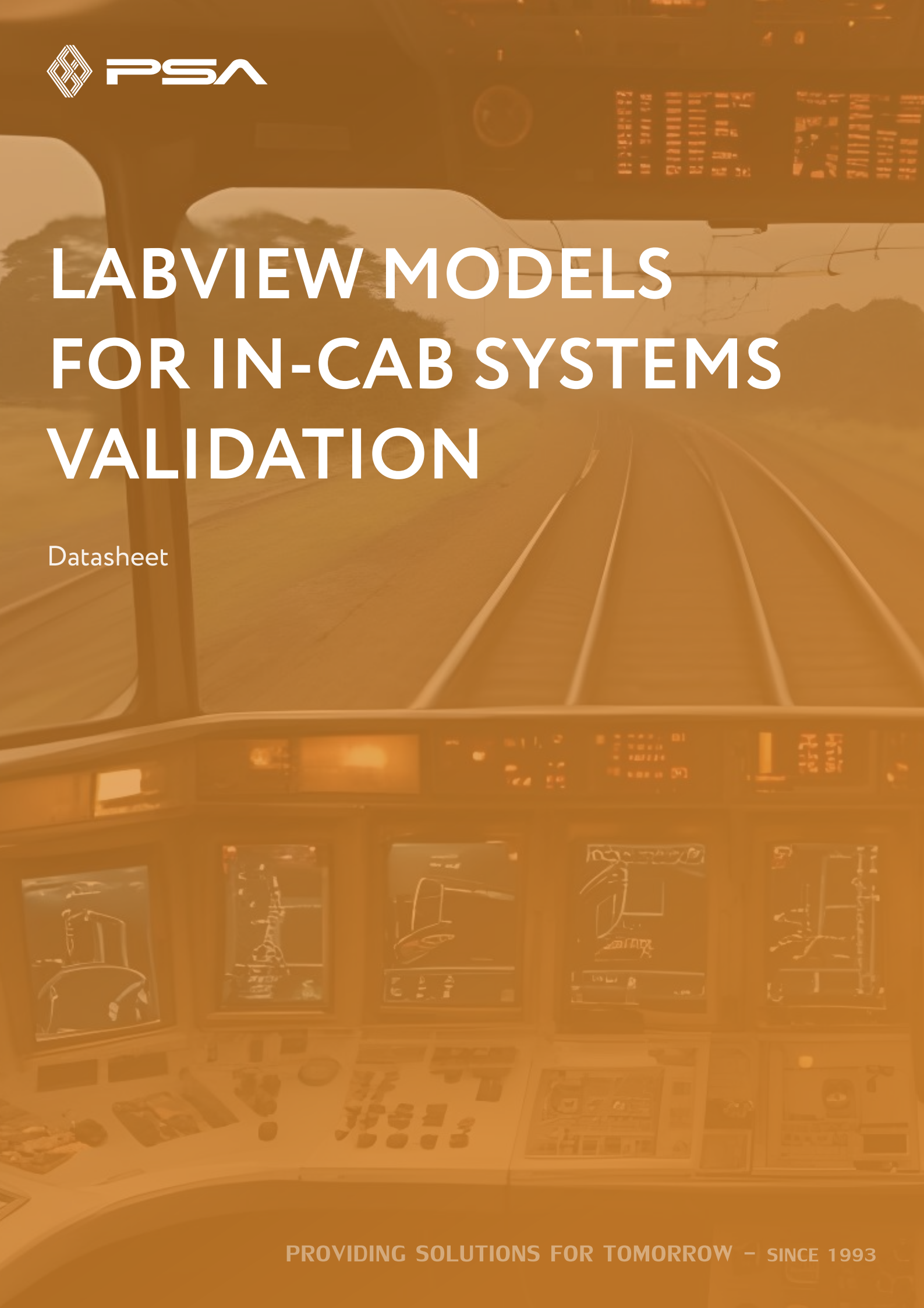


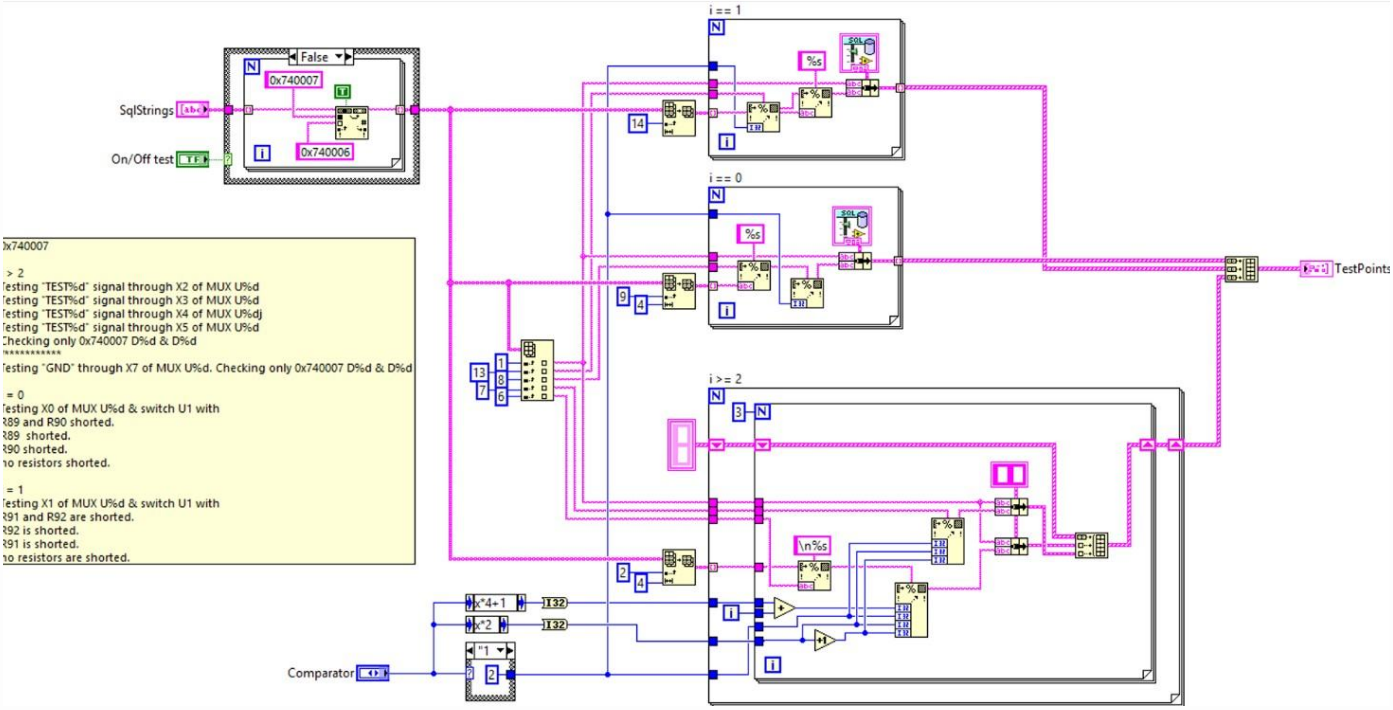
LABVIEW MODELS FOR IN-CAB SYSTEMS VALIDATION

Datasheet

PROVIDING SOLUTIONS FOR TOMORROW – SINCE 1993

Project objective

Upgrade the test model base for the onboard equipment to ensure its comprehensive validation using LabVIEW. Enable complete board-level testing of modernized and brand-new in-cab systems, providing a greater process efficiency.



Result

As a result, our client gained a full scope of automated tests to check all functions of the boards included in traditional and brand-new in-cab equipment with detailed guidelines. A streamlined validation process promotes faster introduction of advanced applications, such as CBTC, which was successfully proven on the current two-line project.

Scope of work

- Refactoring of existing tests to thoroughly validate manufactured equipment
- Architecting and implementing of new tests with software libraries, HAL, and API for the advanced pre-launch equipment
- Onsite engineering testing and debugging of the control boards
- Refactoring of the old analog test software within two railway lines client's projects
- Migration of the outdated LabVIEW testing software to the LabVIEW2019 platform

Activities

- Code Refactoring
- Architecture Design
- Test Cases Creation & Execution
- Software Migration

About the project

Technologies

- LabVIEW
- LabVIEW OOP
- Git

Project size

- 2 Software Engineers

Duration

18 months