PILOT FOR THE CLASS I DISPATCH MODERNIZATION

Datasheet

Project objective

Deliver a pilot project on a critical issue resolution to showcase PTC-compliant development for the centralized dispatching system. Establish a flexible engagement process for the projected activities on the overall 37k-mile Class I dispatch modernization to PTC.

Result

The client gained a firmly established process proposal for flexible engagement on the key tasks related to dispatching product development, such as issue resolution, new functionality implementation, and subsystem creation. The delivered pilot issue resolution project showcased the ability of PSA to rapidly research and adjust for new technologies, standards, requirements, and internal processes. It gave a start to the revolutionary upgrade of the 37k-mile Class I rail dispatching system to PTC.

Scope of work

- Process definition comprising standards research, documenting of code and design, code reviews, domain knowledge training for engineers, definition of process control tools, data exchange options, issue resolution flow, and risk management
- Onsite system study and training
- Troubleshooting including issue research and reproduction, testing and debugging
- Fixed-price proposal for the modernization of the security component of the centralized dispatching system

Activities

- Process definition
- Software development
- Documentation creation

About the project

Technologies

- ◈ ClearCase
- ◈ ClearQuest
- ◈ UCM
- ◈ DOORS
- ◈ VersionOne
- ◈ C/C++

ClearQuest   **VERSIONONE**®   **C++**

Project size

- ◈ 1 Business Analyst
- ◈ 3 Software Engineers
- ◈ 1 Technical Writer

Duration

3
months

Platform

- ◈ Desktop
- ◈ Server