

Herzog Technologies Drives Intelligent Railway Safety Solution with Red Hat

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Red Hat's open technologies power the Internet-of-Things (IoT) foundation for Herzog's cloud-based positive train control (PTC) solution

RALEIGH, N.C.--(BUSINESS WIRE)-- Red Hat, Inc. (NYSE: RHT), the world's leading provider of open source solutions, today announced that Herzog Technologies, a leader in the railroad signal and communications industry, has launched a cloud-based positive train control (PTC) solution using Red Hat technologies. The enterprise-grade foundation of Red Hat Enterprise Linux provides the backend to the complex IoT system required for the intelligence and dynamism expected of PTC, while Red Hat CloudForms and Red Hat Satellite help Herzog with systems management and compliance. Combined, Red Hat's powerful open source technologies are helping Herzog provide railroads with the ability to more quickly adopt PTC technology, helping to enable safer and more efficient rail transportation.

A highly-advanced system that is designed to stop trains before certain types of accidents can occur, PTC is aimed at making rail transportation safer and is the focus of a rail safety initiative¹ in the United States, backed by Congressional mandate. Railroads, particularly smaller carriers, however, may struggle to implement PTC due to the financial and technical burdens required to fully deploy a complete, on-premise solution, which can include large sensor networks and significant computing resources. To help meet the requirements of these railroads, Herzog Technologies saw a need for a more cost-effective, open source and cloud-based PTC offering.

Herzog chose to build its new PTC solution on a private cloud powered by Red Hat Enterprise Linux and managed by Red Hat Satellite and Red Hat CloudForms. The leading enterprise Linux platform allows for easier scaling for IoT-type network deployments and helps minimize the hosting footprint in Herzog's datacenter, thanks to the flexible, stable foundation that it provides. Red Hat CloudForms, an award-winning open hybrid cloud management platform, has helped Herzog transform their existing virtualized infrastructure into a private cloud, through its on-demand scaling functionality. Red Hat Satellite helps Herzog maintain greater platform security and compliance with various regulatory standards, as well as manage their software lifecycle from testing through production. Herzog also worked with Red Hat Consulting to help bring their new offering to market.

With their new cloud-based PTC solution built on Red Hat technologies, Herzog has experienced:

The potential for more market opportunities by bringing a cloud-based PTC offering to a new customer segment, enabled by Red Hat's experience in delivering open, flexible technologies for the rail industry.

Higher efficiency for Herzog's complex, hybrid IT environment, provided by the management and automation capabilities of Red Hat CloudForms and Red Hat Satellite.

Improved costs thanks to the open source nature of Red Hat's solutions (hosted solutions for rail) via intelligent IoT networks.

Supporting Quotes

Jim Totton, vice president and general manager, Platforms Business Unit, Red Hat

"Our work with Herzog shows how Red Hat helps organizations across industries move to the hybrid cloud and embrace an IT environment that can drive real business value and results while remaining dynamic, highly scalable and more secure. By basing its cloud-based PTC solution on Red Hat Enterprise Linux and our hybrid management technologies, Herzog can deliver the mission-critical reliability and flexibility needed to drive the sophisticated, intelligent networks to help modern railways enhance safety and transportation efficiency."

Travis Rollings, director, Office Systems, Herzog Technologies

"Red Hat realizes that we're all working toward the same goal. Without Red Hat, launching this solution would have been a far more complex undertaking, and we would not have been able to onboard new customers as quickly."

Additional Resources

Read more about how [Red Hat helped Herzog Technologies launch the rail industry's first hosted PTC solution](#)

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Forward-Looking Statements

Certain statements contained in this press release may constitute "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Forward-looking statements provide current expectations of future events based on certain assumptions and include any statement that does not directly relate to any historical or current fact. Actual results may differ materially from those indicated by such forward-looking statements as a result of various important factors, including: risks related to the ability of the Company to compete effectively; the ability to deliver and stimulate demand for new products and technological innovations on a timely basis; delays or reductions in information technology spending; the integration of acquisitions and the ability to market successfully acquired technologies and products; fluctuations in exchange rates; the effects of industry consolidation; uncertainty and adverse results in litigation and related settlements; the inability to adequately protect Company intellectual property and the potential for infringement or breach of license claims of or relating to third party intellectual property; risks related to data and information security vulnerabilities; the ability to meet financial and operational challenges encountered in our international operations; ineffective management of, and control over, the Company's growth and international operations; and changes in and a dependence on key personnel, as well as other factors contained in our most recent Quarterly Report on Form 10-Q (copies of which may be accessed through the Securities and Exchange Commission's website at <http://www.sec.gov>), including those found therein under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations". In addition to these factors, actual future performance, outcomes, and results may differ materially because of more general factors including (without limitation) general industry and market conditions and growth rates, economic and political conditions, governmental and public policy changes and the impact of natural disasters such as earthquakes and floods. The forward-looking statements included in this press release represent the Company's views as of the date of this press release and these views could change. However, while the Company may elect to update these forward-looking statements at some point in the future, the Company specifically disclaims any obligation to do so. These forward-looking statements should not be relied upon as representing the Company's views as of any date subsequent to the date of this press release.

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¹<https://www.fra.dot.gov/Page/P0621>

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