



GE announces the release of Lentronics™ JunglePAX – a new packet switched networking solution designed for teleprotection.

ORLANDO and PARIS – February 9, 2016 – Today at DistribuTECH 2016, GE (NYSE: [GE](#)) launched [Lentronics™ JunglePAX](#), a packet switched networking solution specifically designed for utility operations. This solution will help enable the convergence of the many utility communications requirements and reduce cyber vulnerabilities. It will also provide Utility-grade Quality of Service to meet the strict operating requirements of teleprotection traffic.

Today, smart technologies, ever more intelligent field devices and stricter security conditions are driving up Internet Protocol (IP) and Ethernet bandwidth requirements. Utilities need to enhance their communications infrastructure to meet these demands, while maintaining the operating performance characteristics required for traditional mission critical communications conditions.

The Lentronics™ JunglePAX platform allows utilities to meet new packet switch requirements, while maximizing service availability. In addition, it also improves service quality, efficiency and ease of integration. Lentronics™ JunglePAX uses Multi-Protocol Label Switching with Transport Profile (MPLS-TP) technology¹. The platform performs pre-determined repeatable outcomes using packet based applications, providing utilities with consistent and reliable performance in spite of any fluctuations² in the network. It is also designed with layers of redundancy for improved security and dependability. This is a one box solution for mission critical and essential Operational and Informational technologies (OT/IT). Capable of connecting multiple and diverse applications, it allows utilities to deploy a simplified secure network design.

Key features include:

- Industry-leading protection switching within 10ms
- Low end-to-end service latency within 4ms, excluding propagation delay
- Industrial hardened for [IEEE 1613](#) & [IEC 61850-3](#) compliance with no cooling fans
- Processes 24 Gigabits of traffic across the extended -20°C to +60°C operating temperature
- AAA secured for NERC/NIST compliance

“As utilities embrace new technologies, they have to maintain the performance of their existing assets. It is critical for them to ensure that this integration of new and old be as smooth as possible.” said Adam Nicholls, Senior Product Manager at GE’s Grid Solutions a division of GE Energy Connections. *“The Lentronics™ JunglePAX is an integrated, application-driven solution. It simplifies the network management model, allowing utilities to meet their IT Communications needs on a platform that addresses their critical communication component’s specific requirements.”*

To learn more about GE’s Lentronics™ JunglePAX, [visit our website](#).

¹ MPLS-TP (Multi-Protocol Label Switching with Transport Profile) is a new profile of MPLS that includes key extensions that enables utilization in transport networks, reducing complexity as well as deployment and operational costs for service providers.

² Fluctuations in the network include configuration or traffic congestion changes



GE will be showcasing the Lentrionics JunglePAX at DistribuTECH at booth 1900 along with other leading industrial communications, software, grid automation and smart grid solutions which modernize the grid.

About GE's Grid Solutions

Grid Solutions, a GE and Alstom joint venture, equips 90% of power utilities worldwide to bring power from the point of generation to end power consumers. With over 200 years combined experience in providing advanced energy solutions, our products and services enable more resilient, efficient and reliable power systems. For more information, visit www.GEGridSolutions.com

About Energy Connections

GE Energy Connections designs and deploys industry-leading technologies that turn the world on. We transport, convert, automate and optimize energy to ensure we provide safe, efficient and reliable electrical power. Uniting all the resources and scale of the world's first digital industrial company, we connect brilliant machines, grids, and systems to power utility, oil & gas, marine, mining and renewables customers, that keep our world running.

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