Reimagine information technology (IT) and operational technology (OT) convergence as a private operations cloud with native support for IT and OT applications.

Four Reasons to Consider a Private Operations Cloud for Converged IT/OT

1. Automate to overcome the wide variations in IT and OT technologies, policies, and processes.
2. Ensure all stakeholder requirements are met with no compromise.
3. Reduce truck rolls and accelerate new service deployments.
4. Leverage cloud-native technologies to simplify and improve orchestration, control, management, automation, and cybersecurity.

Accelerate Your Private Operations Cloud Success with Engineering Simplicity

Industry leaders Juniper, SEL, and Dragos jointly created an open, multivendor network reference architecture to deliver end-to-end network provisioning, monitoring and testing, and OT/ICS threat detection and mitigation.

Juniper
- Secures networking from the data/control center across the WAN transport core, aggregation, and edge
- Provides threat protection and incidence response for OT/ICS environments integrated with Juniper

SEL
- Employs OT-SDN Ethernet to extend packet-based networking into the electrical substation with support for deterministic applications with millisecond timing resolution requirements

Dragos
- Provides threat protection and incidence response for OT/ICS environments

Build Your Converged Industrial Edge Faster and with Less Risk

To learn more about this joint solution from Juniper, SEL, and Dragos, contact your Juniper account representative at Converged-Industrial-Edge-Juniper-Info@juniper.net or visit Juniper’s utility solutions page.

Overcoming Challenges, Both New and Old

- **Barriers to Modernization**
  - 55% of utility executives say justifying investments in electric vehicles, distributed storage, and microgrids to regulators is their top challenge.

- **Need for Enhanced, Hardened Resilience**
  - Extreme weather is increasing in intensity and frequency.

- **Unforeseen Profit Pressures**
  - 10% Global demand for electricity is predicted to fall as much as 10 percent due to the coronavirus crisis.

- **Rising Physical and Cybersecurity Risks**
  - 2000% Increase in cyberattacks on OT from 2018 to 2019.

Industry demand for electricity is predicted to fall as much as 10 percent due to the coronavirus crisis.

4. “X-Force Threat Intelligence Index,” IBM, 2020