



ROCKPORT NETWORKS INNOVATION HIGHLIGHT

rockport.

COMPANY OVERVIEW

Rockport Networks develops and provides next generation networking products that improves the performance of large enterprise and data center networks at scale. Rockport's current focus is developing disruptive technology to reimagine the network to allow all switching functions to happen at endpoints.

LOCATION: KANATA, ON

TECHNOLOGY



Data Centre and Cloud

Pam Heneault, Public Affairs

rockport. pheneault@rockportnetworks.com
rockportnetworks.com

Rick Penwarden, Sr. Manager, Marketing

CENG rick.penwarden@cengn.ca
cengn.ca/projects

GLOBAL DEMAND FOR DATA DRIVING UNPRECEDENTED PRESSURE ON THE NETWORK

With growing data demand, network traffic is continuing to increase at an accelerated rate.

In order to keep up with this growth, large service providers are scrambling to provide more bandwidth, improve performance on real time applications, reduce power consumption, and increase security to meet our network traffic demands.

SWITCHLESS NETWORKS

Seeing this issue, Rockport has introduced their "Switchless Network."

The Rockport Switchless Network architecture replaces traditional network architectures with a distributed, highly reliable and high-performance direct interconnect solution designed for the demanding requirements of critical data center workloads. It enables datacenters to deploy clusters without centralized switches by distributing the network switching function to each device endpoint. By removing switches, Rockport's solution provides 4 main benefits including faster workload completion times (improved latency, performance, and scale), better utilization and TCO of both compute and storage resources, increased security, and reduced power consumption.

With this, Rockport is revolutionizing the way data clusters flow through networks. This will play a major factor in solving the large service providers problem of trying to keep up with the demand of network traffic on their servers.

FUNDING CONTRACTS AND PRODUCT DEMONSTRATIONS

Rockport completed a CENG project in order to showcase the performance of their switchless network to one of Rockport's external partners (Alliance Technology Group) and prove that their solution is ready for market.

While at CENG, Rockport was able to create and analyze traffic generation through CENG's testbed, demonstrating the basic functionality of the switchless network.

By implementing their solution in a customer grade infrastructure, Rockport now has the proof points they need to validate their switchless network.

"The CENG demonstration environment was the perfect platform for a pre-market to showcase our technology into our external partner, Alliance Technology Group. This resulted in Alliance signing a validation letter capturing the benefits of Rockport's technology to their customers."

Pam Heneault

VP Public Affairs, Rockport Networks