

## CORIANT IS NOW PART OF INFINERA

# Coriant® Consolidation & Optimization Service Program (COSP)

*Increase Capacity without Increasing Floor Space*

## CHALLENGE

With the rapid increase in demand, many communications service providers increased capacity with little time for careful floor space planning within their Central and/or Switching Offices. As a result, a service provider encountered difficulties when it needed to expand capacity because it had no space to accommodate the additional equipment required to add new port modules. For this service provider, office expansion was not an option.

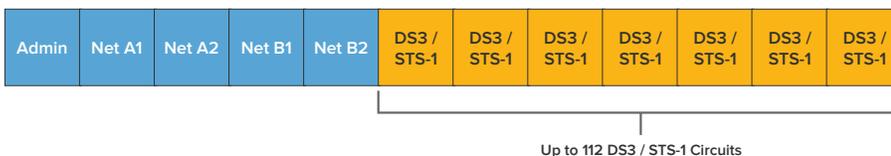
## SOLUTION

The Coriant® Consolidation & Optimization Service Program (COSP) assists carriers in their efforts to expand system and office capacity while eliminating the need to expand office space or consume valuable floor space. This program provides the services required to transfer existing traffic (SONET OC-n, DS1, DS3 and STS-1E facilities) from older, standard-density port modules to new (and in some cases, existing), high-density port modules resulting in port consolidation with minimal or no traffic disruption. As part of the Coriant COSP, Coriant engineers:

- Performed a complete system audit
- Created a detailed Method of Procedure
- Prepared the system for facility migrations
- Executed the activities required to complete traffic migrations to the new modules
- Removed the redundant, standard-density hardware

All of those activities were coordinated in order to ensure that the customer was able to smoothly expand the Coriant® 5500 Digital Cross-Connect system capacity and migrate traffic to the new, high-density port modules with minimal or no unplanned traffic disruptions.

### CONFIGURATION PRIOR TO CORIANT® COSP



### CONFIGURATION AFTER CORIANT® COSP

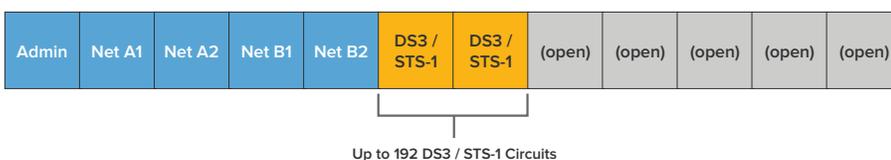


Figure 1: The Coriant® COSP helps clear floor space for expansion and growth

## Customer

A communications service provider

## Location

North America

## Challenge

- Migrate traffic from Manufacturer Discontinued Equipment
- Expand traffic capacity within the same system footprint
- Minimize traffic disruption

## Solution

- Leveraged Coriant planning and technical expertise
- Transferred existing traffic to new high-density port modules
- Migrated traffic with no disruption or alarms
- Removed redundant hardware

## Results

- Reduced hardware footprint by more than 70%
- Expanded services to support new revenue-generating traffic
- Reduced power requirements by more than 50%

## RESULTS

By utilizing the Coriant COSP, the customer was able to:

- Reduce 7 bays of DS3 modules to fewer than 2 bays leaving an additional 5 bays for further expansion or new equipment
- Expand the Coriant 5500 Digital Cross-Connect system to support new, revenue generating traffic requirements
- Continue to support normal daily activities while the system conversion and upgrades were implemented by Coriant engineers
- Reduce the power required to support the existing traffic by 50% to 60%

The new Coriant high-density port modules give customers the ability to recover significant amounts of power and floor space. The savings vary depending upon the interface type, as shown in Figure 2.

In addition to the new high-density port hardware, this service provider benefited from the Coriant COSP service. These benefits included no unplanned traffic disruptions and a project that was completed quickly and within budget as a result of using Coriant expert resources, proprietary tools, and proven methodology.

Upon completion of this project, the service provider was able to increase capacity to support new, revenue-generating traffic while avoiding the time and expense required to acquire additional floor space.

## ABOUT CORIANT

Coriant delivers innovative, dynamic networking solutions for a fast-changing business world. The Coriant portfolio of SDN-enabled, edge-to-core transport solutions enables network operators to reduce operational complexity, improve utilization of multi-layer network resources, and create new revenue opportunities. Coriant serves leading network operators around the world, including mobile and fixed line service providers, content providers, data center operators, cable MSOs, large enterprises, government agencies, financial institutions, and utility companies. With a distinguished heritage of technology innovation and service excellence, forged by over 35 years of experience and expertise in Tier 1 carrier networks, Coriant is helping its global customers maximize the value of their network infrastructure as demand for bandwidth explodes and the communications needs of businesses and consumers continue to evolve. Learn more at [www.coriant.com](http://www.coriant.com).

INTERFACE TYPE	INTERFACES PER BAY	
	Standard Density	High Density
DS3/STS-1	64	288
OC-3	16	96
OC-12	4	24

Figure 2: Coriant high-density interfaces reduce the number of bays required to support large amounts of traffic

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