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Networking & Security Consulting s.r.l.
at **Cisco Networkers 2010 – Barcelona**

ITMCCS-2890

Session Title: **VSS + MPLS: Enhanced Safe Communication for Enterprise**

Scheduled on: Wednesday January 27, 14.15 (Room: Room 130)

Speaker: **Flavio Molinelli** CEO - NSC Networking & Security Consulting s.r.l.

Description:

CVA S.p.A. is one of the main Hydro-electrical power producer in Italy. It owns 29 Power Production Plants, 5 Alpine dams, and a complex water flow management network of 96 Control Sites that covers the whole Aosta Valley Region.

This case study highlights how the support of MPLS with Catalyst 6500 Virtual Switching System (VSS) allowed the customer to migrate to a new ICT infrastructure, while keeping its Network Virtualization blueprint and related Communication Security Policies.

Cisco Catalyst 6500 VSS1440 was the key element to facilitate the migration of a pre-existing single Data Center (based on C4506s and high-end Cisco ISRs) to a new Dual DataCenter distributed solution, with reduced service-loss (less than 1 minute for each migration step) and warranty of partial / complete rollback in less than 3 minutes.

Cisco Catalyst C650x and C2811 ISRs were also used by CVA to build a Private Enterprise MPLS WAN over newly founded Fiber Optics regional infrastructure. The deployment of the Cisco Network Virtualization solution leveraging MPLS VPN allowed to integrate all Remote Sites and extend to them various services (Remote Video Control, Voice, Real-Time Process Control, Tech Support) still maintaining service separation, security and QoS.

It will also be discussed how the new network infrastructure may allow to extend services to new sites without any service interruption, it will be highly resilient and it will be ready to provide to third-parties (PA Administration, Healthcare, School, Internet Access) a new high-speed and secure communication service helping to reduce digital divide.

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