Press Release

ASOM-Net reduces TCO with Smartoptics 400G disaggregated networking

Oslo, Norway – September 5, 2024 – Smartoptics, a leading provider of optical networking solutions, today announced that ASOM-Net, a Danish non-profit ISP, has selected Smartoptics for 400G disaggregated optical networking. The Smartoptics solution is used with the IP Infusion platform to provide flexibility and a compact footprint, reducing total cost of ownership.

ASOM-Net is a non-profit managed services organization and ISP with 75,000 subscribers in Denmark. Television, internet and phone services are provided to the ISP's associated members. To meet ASOM-Net's need for a flexible and cost-efficient network architecture, they chose a combination of the IP Infusion network operating system, OcNOS, Edgecore whitebox switches, and a Smartoptics pluggable coherent solution. The Smartoptics network elements used are the DCP-404 muxponder and DCP-F modular amplifiers. The solution enables ASOM to embed the 400G ZR+ directly into their Edgecore switches.

"The disaggregated networking solution allows us to break free from the locked-in approach of traditional network systems," says Kristian Pedersen, System Architect, ASOM-Net. "Now we have the flexibility to pick and choose best-of-breed network elements for every layer of the network. This is crucial for us to deliver the best value at a low cost to our members as we are a not-for-profit business. We also greatly appreciate the innovative approach of Smartoptics and how it complements IP Infusion, improving cost efficiency with a compact form factor and highly efficient 400ZR+ pluggable technology."

Smartoptics DCP-F modular amplifiers are used when distances require amplification to help drive the embedded 400G ZR+ throughout ASOM's network. The DCP-Fs were only used when necessary and took up 1RU of rack space. This helped keep ASOM-Net's equipment footprint down, reducing the total cost of ownership.

"ASOM-Net is a great example of a true disaggregated network taking advantage of the latest in pluggable technology to showcase why IP over DWDM is quickly becoming such a hot topic within the industry. By utilizing this modern network architecture, they have not only simplified their network design but drastically reduced their overall expenditure with less equipment, power and space needed. This synergy between Smartoptics, IPI and Edgecore has enabled an extremely efficient and flexible network with each solution specializing in their own section of ASOM's network, complementing each other extremely well," says Max Naylor, Sales Director UK Ireland & MEA, Smartoptics.

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About Smartoptics

Smartoptics provides innovative optical networking solutions and devices for the new era of open networking. Our customer base includes thousands of enterprises, governments, cloud providers, Internet exchanges as well as cable and telecom operators. We have an open networking approach in everything we do which allows our customers to break unwanted vendor lock-in, remain flexible and minimize costs.

Our solutions are used in metro and regional network applications that increasingly rely on data center services and specifications. Smartoptics is a Scandinavian company founded in 2006. We partner with leading technology and network solution providers such as Brocade, Cisco and Dell and have a global reach through more than 100 business partners.

For additional information about Smartoptics, please visit https://www.smartoptics.com/

About ASOM-Net

ASOM-Net is a non-profit internet service provider backed by numerous antenna associations. We are dedicated to delivering top-notch internet services to our community. We provide support to our partner associations in customer support, billing, accounting and system hosting. High-speed connectivity is ensured by utilizing cutting-edge DOCSIS and PON networks through remote PHY units, all powered by the advanced Harmonic CableOS platform, thanks to our collaboration with Edgecore, IP Infusion, and Smartoptics. Seamless TV service is provided on our own backbone network via the multicast protocol. Reliable SIP telephone solutions are offered with COS/DSCP trust within our network.