



**How to get the most out of
your optical network**



We make light make sense

As the demand for bandwidth explodes, making better use of your optical network makes a lot of sense. And that's exactly what Transmode helps you do. Our in-depth knowledge of optical network engineering, combined with our modular solutions, enables us to boost the capacity and flexibility of regional, metro and metro-access networks. We cut costs, simplify operations and accelerate the deployment of new Ethernet-based services – all with a predefined quality of service. This makes our solutions the choice in many different applications and for a wide variety of customers.

A photograph of two men in a laboratory or office setting. The man on the left is smiling broadly and pointing towards a device on a desk. The man on the right is looking at the device with a focused expression. The background shows various pieces of equipment and cables. The entire image has a purple tint.

When capacity, reach, flexibility and cost make a difference

Today, our solutions are generating revenue and simplifying the daily operations of infrastructure solutions for mobile, cable and IPTV networks. The same is true for the delivery of Ethernet services and in Storage Area Networks. To name just a few.



MORE BANDWIDTH AT A LOWER COST PER BIT

For fixed line operators, broadband services such as Internet access and IPTV are the keys to increasing average revenues per user. But fierce competition demands that they have to maintain low operational costs. Especially those associated with the backhaul between IP-DSLAM and Service POP. Transmode's optical networking solution is proving to be the most cost-effective mechanism for connecting these two key nodes.

For mobile operators, the challenge is to upgrade their current TDM-based backhaul traffic to Ethernet to handle more bandwidth at a lower cost per bit. Transmode offers a simple and low-cost way to handle both TDM and Ethernet. And one that provides obvious advantages over microwave and copper solutions in high-bandwidth applications.

Cable operators are also going digital to provide new services and to get higher speeds in their metro and regional networks. Our modular and fully scalable solutions are allowing operators to optimize CAPEX while achieving substantial OPEX savings.

SOLUTIONS WITH SUBSTANTIAL SAVINGS

For business Ethernet networks, the convergence to a common IP/Ethernet-based infrastructure is often the best way of increasing speeds while reducing costs. Besides offering cost-efficient Ethernet transport, Transmode's solution includes Ethernet Demarcation Units (EDU). These are an alternative to the more expensive and complex switch/routers that are often used today. An EDU is fully integrated into the transport platform, simplifies network management and substantially reduces overall costs.

For companies that are responding to new data protection legislation, our solutions also facilitate the implementation of highly resilient, scalable and cost-efficient Storage Area Networks (SAN).



Transmode's modular design lets you add functionality and channels as you need them.

With an extremely modular design, Transmode's products lower entry costs and simplify the cost-effective rollout of Ethernet-based services through the use of iWDM technology. They also help transform the IT infrastructures of enterprises and public institutions. All this is often accomplished without upgrading existing fiber infrastructures and while cutting complexity, costs and implementation time. Low power consumption, a small footprint and high reliability are other hallmarks of our products.

A SERIES FOR EVERY SITUATION

With one of the widest ranges of functionality available on any single WDM platform, the **TM-Series** enables operators to deploy unparalleled flexible and scalable networks. It's well-suited for mobile transmission and triple-play backhaul networks, carrier services, SDH/SONET transport and capacity expansion, Gigabit Ethernet transport for Next Generation Networks and wavelength service delivery.

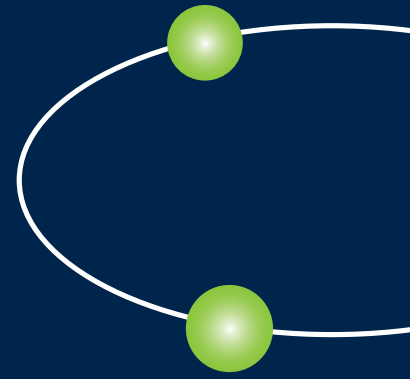
The TS-Series is an easy-to-use, scalable and intelligent C/DWDM solution. Easy installation, commission and management make it ideal for network operators that deliver managed services such as metro Ethernet and SAN to enterprises and other bandwidth-hungry organizations. The broad protocol support and pay-as-you-grow architecture also makes it appealing to users that deploy their own private networks over dark fiber.

The TG-Series consists of cost-effective and passive optical WDM products. Designed for access applications, it provides one of the most compact WDM access solutions on the market. It fits a wide range of applications, from the controlled environment of central offices to street cabinets and manhole applications.

SERVICE FOR ALL YOUR NEEDS

The Transmode Network Manager provides configuration, fault, administration, performance and security management for all of Transmode's network elements. It also keeps complete topology awareness of individual connections – right down to the customer level.

Together with our partners, Transmode also offers a variety of support services. These range from training, network design and documentation, to installation, implementation and network management integration. And as our Technical Assistance Center is staffed 24/7/365, our highly skilled support engineers are always available to troubleshoot our entire range of optical networking products and solutions. That is, should the situation arise.



Transmode is a leading provider of optical networking solutions for the transport of data, voice and video traffic. Our optical networking solutions, based on WDM-technology (Wavelength Division Multiplexing), boost the capacity and flexibility of regional, metro and metro-access networks. They also cut costs, simplify deployment and operations and enable new Ethernet-based services.

Together with our global organization and a network of partners, we help network operators, service providers, large enterprises and public institutions radically improve their service levels and competitiveness. Today, our customer base consists of more than 200 network operators, service providers, large enterprises and public institutions across Europe, Asia and the Americas.