THE CORNING OPTICAL OBSERVER

Carrier Newsletter for the Regions Europe, Middle East, and Africa

CORNING

Dear Reader,

This year has been an exciting time for telecommunications. But while new regulations and global digitalisation have some businesses scrambling, they have undoubtedly put security and sustainability on the top of everyone's minds. Read on to learn how we can protect and plan scalable networks for tomorrow.

We wish you a wonderful holiday season and a successful start in 2018!

Warm regards,

Juan Manuel Pérez Cortijo
EMEA Marketing Director
Follow us on Twitter: @Corningopcomm
Connect with me on LinkedIn

Industry Headlines

We've pulled together the biggest industry headlines for you:

- More than a third of global orgs unsure if GDPR compliant
- EC proposes pan-European Cyber-Agency

FIND ALL ARTICLES »

What We've Been Up To

Our team has been busy this quarter!

- Corning delivers its 1 billionth km of optical fibre
- Corning opens a new customer showroom in Poland

SEE ALL STORIES »

Success Stories

The Corning Technology Center Berlin celebrates its 5th anniversary

Researchers and engineers in Adlershof enjoy half a decade of exciting projects.

READ ALL STORIES »

Opinion

How to combat global warming with the internet of things

The IoT offers a great opportunity for the European electrical and electronic industry to grow while addressing global warming

READ FULL REVIEW »

Solutions For Every Situation

Connecting Africa: Bringing FTTH to the emerging market

Africa is booming, but what challenges and solutions face the ultimate FTTH rollout?

READ ALL ABOUT IT »

Catch Corning on Events & Trainings

See you in Valencia next year at FTTH Europe Conference!

Want to know where you can meet with us at upcoming events or find out what new trainings we're offering?

GO TO EVENTS & WEBINARS »

Industry Headlines

Study finds more than one-third of global orgs unsure if GDPR compliant

A recent study by WatchGuard Technologies has found that 37 percent of global organizations are unsure if they need to comply with the European Union's General Data Protection Regulation (GDPR) standards.

The research examines the views of more than 1,600 organisations, with 51 percent of respondents believing that, in order to comply, their organisation will need to make significant changes to their IT infrastructure.

Only 10 percent of respondents believe their company is currently 100 percent ready for the regulations go into effect.

See more findings from the report.

EC proposes pan-European Cyber-Agency

The security community has welcomed a new set of cybersecurity policy proposals issued by the European Commission, which include the designation of a pan-European agency with a mandate to address cyberthreats and attacks.

Under the proposal, the European Union Agency for Network and Information Security (ENISA) will be reinforced, so that it can assist EU countries under threat from cyber attacks, preparing them through annual cyber exercises.

ENISA's role would also be expanded to include oversight of security certification for ICT and internet of things (IoT) products and services.

Find out more about the proposal.

Report proposes step-change in sustainability business metrics to safeguard global security

The Earth Security Report 2017, which provides a roadmap for businesses globally to grow sustainably, was launched in September by Earth Security Group.

The report identifies the environmental, social, and governance pressures that are undermining global security and prosperity, visualised with data on 39 converging country pressures.

It reveals that the exposure and impact of global industries to issues, such as unemployment and pollution, are now happening on a global scale. It also proposes practical changes that companies can make to link their production and consumption footprint to the sustainable growth of countries.

Find more information on the report and download your own copy.

What We've Been Up To

Corning delivers its 1 billionth kilometre of optical fibre

In September, Corning announced a significant milestone: delivering our 1 billionth kilometre of optical fibre. We celebrated with an event at our optical fibre manufacturing facility in Wilmington, North Carolina.

In 1970, Corning invented the first low-loss optical fibre, which helped launch the age of optical communications and transformed the way the world creates, shares, and consumes information. Our optical fibre has now been deployed in hundreds of thousands of networks across the globe. We reached this 1 billion kilometre milestone thanks to continued innovation and deep customer relationships.

Learn more about this announcement and the exciting history of fibre on our dedicated landing page.

Corning opens a new customer showroom in Poland

On September 13, we at Corning opened a new customer showroom within our Strykow manufacturing plant, in Poland, which aims to attract new potential customers. Composed of 14 team members from three different countries, the team, led by Tomasz Bednarczyk, supervised the conception of this professional, top-level showroom. This achievement is not only a great example of our great team collaboration, but it also positions us as the best-in-class manufacturer of complete optical communication solutions.

Within this new space, customers can discover Corning's solutions and try out our products. The new showroom is arranged around a display room, where customers can actually touch and feel the products to get a better understanding of the products we offer. Not only that, but guests can enjoy a small social area and comfortable modern conference room.

"Our Strykow plant has always been one of our very best selling tools, and now it is even better with this enhanced functionality," said Vice President EMEA Sales for In-Building Networks & Data Centers, Jochen Lorenz.

To arrange a visit to the new showroom, email Marcin Kowalski , Quality Team, to get in touch.

Success Stories

The Corning Technology Center Berlin celebrates its 5th anniversary

We're celebrating our fifth year of innovation in Berlin! The Corning Technology Center Berlin was founded in 2012 and is located in the Adlershof Science and Technology Park, which is home to over 1,000 companies and research institutes employing around 17,000 workers and 6,700 students from the renowned Humboldt University.

The Corning Technology Center Berlin is home to multi-disciplinary groups of engineers and scientists working on novel cable designs, cable manufacturing process improvements, test performance of flame retardant materials, and more. Mechanical and optical engineers there develop products as varied as cabinets, hardened connectors, cable assemblies for data centres and FTTH, tools for fibre optic cable deployment, micro-optical assemblies, RF circuits, and active optical cables.

"In the past five years the Technology Center successfully contributed to Corning's business success," Technology Director Dr. Martin Schulte explained. "The close interaction of our engineers and scientists with our customers has enabled breakthrough innovations and differentiated optical solutions. We are proud of the advanced solutions we have delivered to solve the challenges of our customers, and I am even more excited about what is in our innovation pipeline."

Berlin's center is a hub to our EMEA customers, our manufacturing locations in Europe, North America, and Asia, and our suppliers all over Europe.

Read more about our research and development projects and stay tuned for more!

Opinion

How to combat global warming with the internet of things

The electrical and electronic industry will play a key role in developing innovative solutions to address global warming, writes Jochen Lorenz, VP of Enterprise Sales, EMEA, at Corning. This industry is active in key sectors that conserve energy: electronics, automation and drives, information technology, and communication technology. Making these solutions "smart," i.e., capable of sending and receiving data, elevates them to play a critical role in reducing electrical energy consumption. Connected to a smart network, they can gather data and use it to control the intelligent consumption of energy. This smart network is called the internet of things (IoT).

The "things" are a huge number of sensors that deliver the data to be controlled. The internet is needed to transfer information between the devices and cloud services that control the production, distribution, and consumption of energy. Instead of providing access energy, as is done today, consumers will adapt to the power available, making it possible to use more renewable energies.

The European electrical and electronic industry can benefit tremendously from solutions building on the IoT. But for a digital infrastructure to support the IoT, networks must cover 100 percent of its given territory, ensuring that all devices ("things") can be interconnected. For instance, an autonomous car going into the deepest rural parts of the country will need high-speed, secure access to the network anytime and anywhere.

The IoT offers a great opportunity for the European electrical and electronic industry to grow while addressing global warming. To deliver on the IoT's potential, the industry needs an excellent digital infrastructure ... and it needs to be built fast. European government leaders have to do their homework and fund the construction of 5G and fibre networks — especially in rural areas that are underserved today.

Jochen Lorenz
Vice President EMEA

Read Jochen Lorenz's full article here at dotmagazine online.

Solutions for Every Situation and Product Updates

Connecting Africa: Bringing FTTH to the emerging market

As the world's second largest and most populous continent, Africa offers an abundance of untapped resources, which is one of the reasons it has drawn attention from big tech companies like Microsoft and Amazon. Yet until now, most of Africa's half a billion mobile users have relied solely on cellular networks with operators hesitant to consider the longer-term investment of fibre to the home (FTTH). The continent cannot exist on dated cellular networks alone. For this emerging market to truly thrive, we need a reliable, sustainable, and affordable high-speed fibre network and investors willing to implement it.

Extreme diversity, security, and costs are major hurdles for the region, but these issues can be solved through good planning and a strong fibre backbone. Mike Knott, FTTH expert and Market Development Manager at Corning, lays it all out in a thorough article which details the specific challenges facing the African market and the potential solutions that could help push the region forward.

Read the full article or check out the FTTH Council Africa website for more information about this growing market.

The advantages of dry cables and their environmental impact

Two types of fibre optic cables currently exist on the market: dry and gel-filled cables. Both are used to block water from reaching the fibre in the cable and act as a barrier within the tube between the outer part of the cable and the core. Both are efficient methods of keeping out moisture that could freeze and break or damage the fibre, but which is greener?

Gel-filled cables can get messy when cut or spliced and require frequent cleaning, whereas the dry cables require no clean-up. As a result, cleaning the dry portion of any fibre cable uses fewer cleaning materials like wipes and cleaning solvent.

The reduction or elimination of the materials used to clean up excess gel or the flooding compound from the cable core not only reduces the time and costs of installation, but also helps create a cleaner work environment. In fact, it is expected that the materials used to clean dry cables is half that used for gel-filled ones. And since dry cables require fewer, or even no, chemical solvents, there are no harmful materials and waste that would negatively impact the environment.

Last July, Corning announced the FREEDM™ B2 cables and enhanced MIC™ tight-buffered indoor cable family, both completely gel-free cable designs that fully comply with the new Construction Products Regulation (CPR), which applies to telecommunication cables intended for permanent installation inside of buildings and construction works.

Dry cables may seem like the better solution for those with environmental or maintenance concerns, but gel-filled cables offer a variety of important advantages as well.

For more information on about Corning's high-performing, fire-resistant cables and the CPR in general, please download our whitepaper or view our recorded webinar.

Catch Corning on Training & Events

See you in Valencia next year at FTTH Europe Conference!

Corning events:
February 13-15
FTTH Europe Conference, Valencia, Spain
Come and join us in Valencia at the annual FTTH Europe Conference, the platform for discussions around FTTH topics and a chance to get further information about Corning's solutions and interact with our representatives from the region. We will be waiting at booth G10 in the main exhibition hall.
Find out more at: http://www.ftthconference.eu/

Corning certified trainings & webinars:
We frequently hold training sessions and webinars specifically for the EMEA region. To learn more, please visit our training page or webinar site online. We'll be updating the page regularly, so you'll have the latest information on new opportunities!

English Training Catalogue:
http://www.corning.com/emea/en/products/communication-networks/support/training-programs/seminar-course-descriptions.html

English Webinar Recordings:
http://www.corning.com/emea/en/products/communication-networks/support/training-programs/webinar-recordings.html