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IOT, 5G, 6G AND BEYOND



SOLVING MOBILE LATENCY REALLY, REALLY SMART PHONES AI & NETWORK TRANSFORMATION

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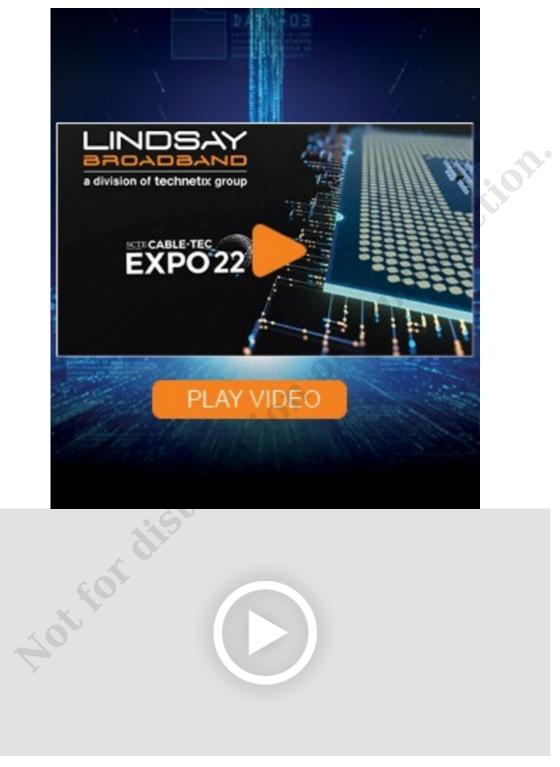
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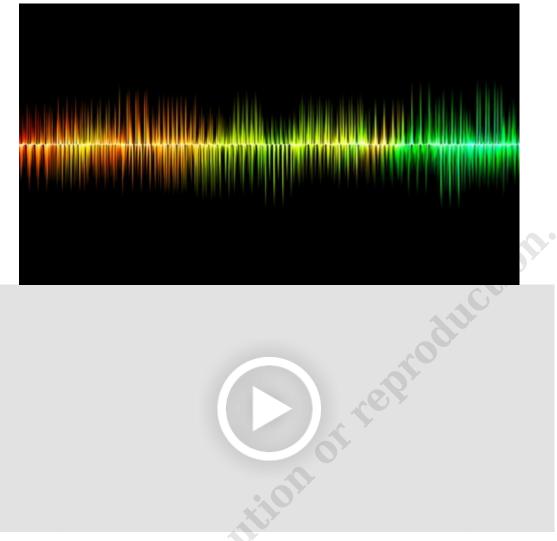
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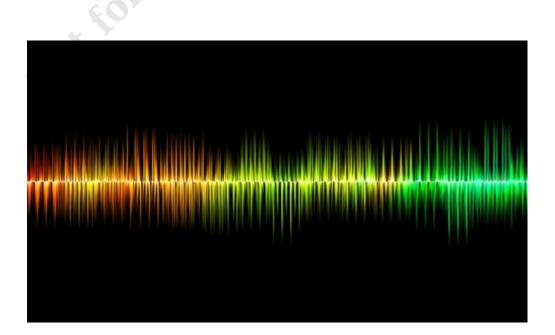
End-to-End Solutions for Broadband Networks

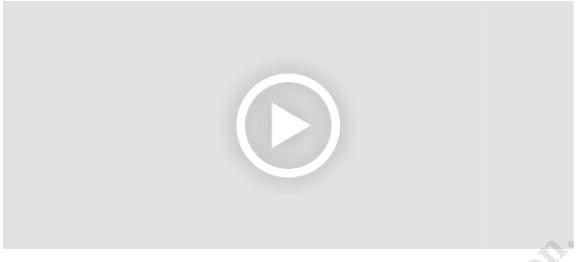
In case you missed Lindsay Broadband - a division of Technetix group at the SCTE Cable-Tec Expo, this video highlights the must-have, end-to-end solutions for your network.



Predicting Colonial Pipeline: Mitigating Risk and Compliance

Mitigating risk and compliance for lawful intercept using lawful intelligence is explored in this Pipeline article feature SS8. Learn how CSPs can comply with lawful intercept regulation, while empowering law information with critical, real-time data.





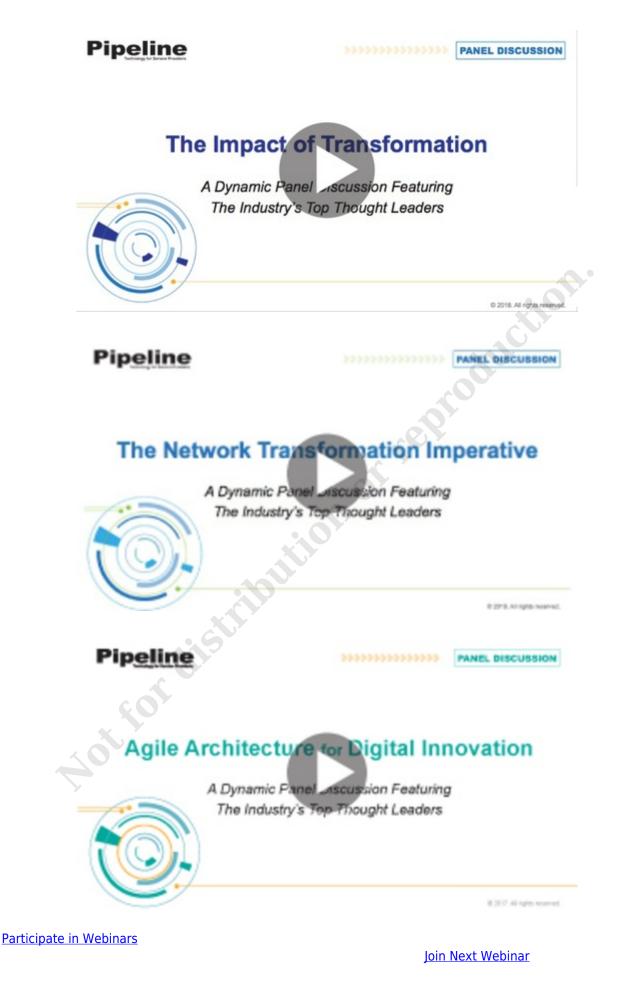
Podcast: The Evolution to 6G

The world's eyes are already looking forward to the potential of 6G. Demands resulting from innovative use cases, for instance specific requirements from different industries and other user groups, as well as overarching goals like sustainability, are driving the standardization and development of mobile technologies.

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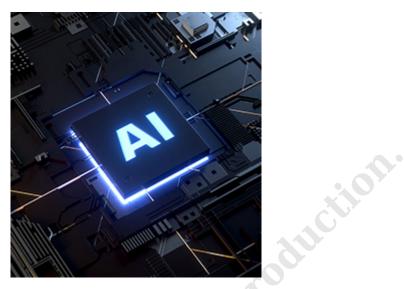
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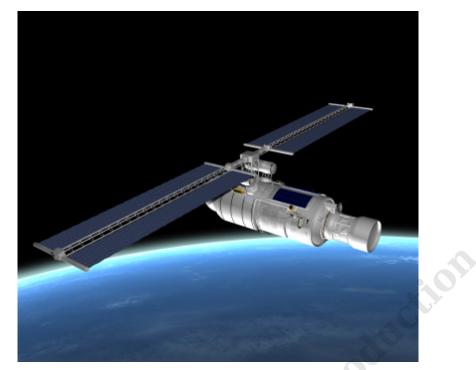
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keeping the world connected



Communication is our lifeblood. It's what makes the world run and gives our lives meaning. Though technology evolves, the desire to seamlessly and securely access and exchange information anywhere, anytime never changes. While technological advances make communications simpler and more ubiquitous, efficiently interconnecting disparate applications, networks and devices and delivering it to the right person, at the right time, in the right way is enormously complex.

Creating a globally connected world is what iconectiv does better than anyone. Our cloud-based Software as a Service (SauS) solutions and **trusted communications platforms** span network and operations management, numbering, business-to-consumer communications and faud prevention.

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At iconectiv, **OUT VISION** is a world without boundaries, where the ability to access and exchange information is simple, seamless and secure.

business principles

With unparalleled leadership and legacy in global communications, iconectly strives to make connectivity:

simple – making the systems and processes that are extraordinarily complex, comprehensible

samless - simplifying information exchange, on a global scale, and making it instantly available

secure - entrusted with the critical data that makes the world run

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And **OUP mission** is enabling the world of tomorrow through the simple, seamless and secure interconnection of networks, devices and applications. duction.

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FSP 3000 OLS

A versatile and truly open line system

5G and cloud-based applications offer enterprises, carriers and service providers enormous potential for growth. However, this continuous and rapid change also creates the need for more network capacity and Revibility. It's essential to build today's networks on an open, flexible and scalable optical layer ready to accommodate evolving demand and innovation. Featuring a fully modular and open design, our FSP 3000 open line system (OLS) provides complete versatility and best performance in metro, core and data center interconnect (DCI) applications.

Truly open

Truly open Open disagregated optical networking is one of the industry's hotest tends. By deoughing terminal lunctions from the line system, this approach offers complete health to adopt the latest technology when and where needed. Our FSP 3000 OLS is thuly open, allowing total feedom to evolve and optimise each network. Jayor separately, Network operations can laverage and estand technol. What's more, with open and standard hearthcost, our FSP 3000 OLS each yintegrates into software-constrolled methods.

Build your own OLS

Our FSP 3000 OLS empowers network operators to create the solution that meets their each requirements. With a modular achiecture, multiple amplification and multiplexing options, and offerend charals size, our FSP 3000 OLS enables customized solutions. Operators can simply mix and match the optimum files and amplifies and pack them into the best-fitting shell. This makes our FSP3000 OLS deal for any type of meteors inflammucture.

Future-proof investment

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Future-proof investment Colverent modulation schemes are becoming increasingly diverse in imanime transport network capacity and minima the cost-pre-bit of transport. Finalitie terminals with writible modulation formats and build unse exatule highest capacity-wach units. The ultimate network performance wills also only explains capacity and that's why open line systems have increasingly become proving strategic assets. With a combination of high-performance leastures, our FSP 3000 OLS transports any onbeent modulation format as well as all strateging space of the system of DLS that can be and accommodate a any modulation format and baud state what's more, our FSP 3000 OLS for full can be seen of flexibility with coordigations able to support direct detect lecthon ges.

- > Open hardware No technology or vendor tested in multi-vendor er
- Open programmable interfaces
- > For any type of network infrastructure
- Modular design with multiple amplifiers a options to need your exact requirements Purpose-built components
- Ampifiers and Elter options engineered for metro and DCIs pecific demands, and optimum transpo-latest innovation, e.g., 4002R and high baud rates

ction.

- Visualization and control
- Comprehensive monitoring and diagnostic tools, spectrum visualization and fiber surveillance
- Ecodesign High-density-design with low po
- Flexible footprint from 1RU to 12RU, ETSI/ data



eliminate the guesswork with **GIS/CAD** services



Accurate and up-to-date mapping is crucial to nearly every element of your business. Everything, from network maintenance, emergency response, budget forecasting, and company valuation require these records to keep your company on course.

Belying on single point dependencies and perishable paper records creates vulnerabilities for your customer, community and company. CHRYs GLS/QAD Semiclos take the guess work out of geospatial management and envire your business is on the right path.

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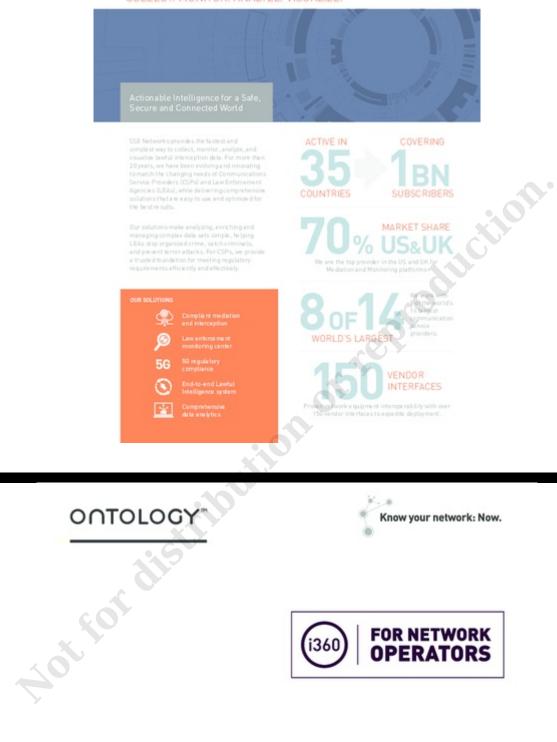
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WiFi solutions

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CHR's Wilfi Solutions include flex bleend-to-endor a is carle optionsthat range from concept, to construction, to customer management. Our certified engineers and best-of-breed partners stand ready to aid in every aspect of your Wilfiproject.



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Mediation for the Changing Business Environment

Mediation as a BSS/OSS Interaction Layer in Anticipation of Telco 2.0

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Whitepapers



Implementing a Scalable, Common Element Management System for Large Multi-Vendor Networks

Verizon Business and Nakina Systems Case Study

In 2005, Verizon Business, set out to build a state-of-theart, uitra-long haul (ULH) transport network and converged packet access (CPA) network initially comprised of more than 20 different types of equipment from 10 different equipment vendors.

Service Delivery Challenges

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In order to deliver a new service across multiple network equipment providers (NEP) devices and SONETISDH, WDM, Ethernet, and INMPL's networking technologies. Verizon Business needed to integrate a complex set of networks and applications spanning up to thousands of network nedes.

Adding a new device type or application to this heterogeneous environment often nequired upgrading both hardware and software across the entire network. For a large scale networking environment, this can be an incredibly complex task since the new services need to be delivered via different NII P products and networking technologies.

The network initially comprised 20 different types of equipment from 10 different equipment vendors, spanning hundreds of thousands of network nodes. Operations and Integration Challenges Verizen Business used a mixture of operational and business support systems (OSS-BSS). These systems were deployed on unique platforms from different NEPs, operating with proprietary software applications and communications protocols. ction.

NEP-provided EMSo tend use proprietary OSS instributes with varying levels of security and tacking the scalability needed by a large global network operator.

Substantial system and software integration was needed to make each EMS function spaticismly for the network operations personel to manage the network. The effort to maintain multiple systems including hardware, element management systems (EMSs), testing and training could not be easily sustained to support the new services Vericol Business wanted to deliver.

The challengy facing Vertices is typical for a large listed communications service provider and can be armitted on in a single word: complexity. Nakina

Systems





The Internet of Things (IoT) is not new. Neither is the rapid rise of connected devices or customers' demands for instantaneous service. These are realities of digitalization. While they have become normalized, they are by no means the final destination on the journey to digital transformation. They are merely the first wave of the transformation process. In their wake, the next round of changes is brewing. These changes will require providers turn their focus to the periphery of their networks and get closer to their customers. This next frontier for providers to conquer? **The Edge**.

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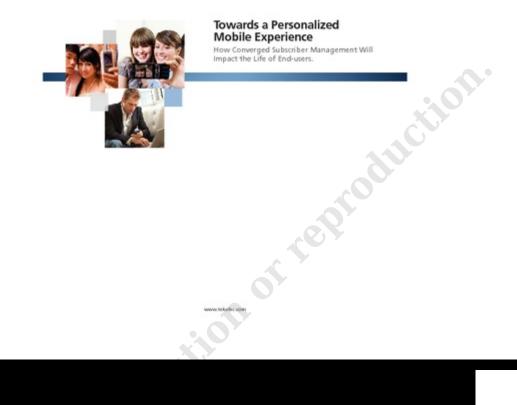


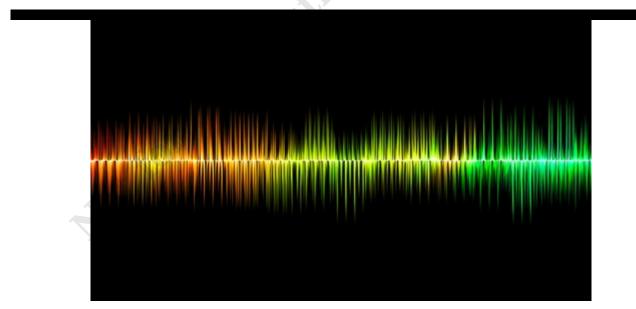




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