September 2017

TELECOM BUZZ

"Expanding Telecom World Horizon"

Stay Connected

Editorial

CYBERBULLYING, CYBER SECURITY & WOMEN'S SAFETY-MAJOR ISSUES IN DIGITAL WORLD!

In the realm of technological transformation, we do live in digital world, connected to internet connection and with smart mobile phones as its extension. In this scenario, at times it is difficult to bifurcate between our personal, professional and social life. No doubt such digital life is making our lives easy and attractive, but we cannot escape from its darker side.

As an outcome, cyberbullying, threat to cyber security and women's safety has become one of the most harmful trending issues across world. We all are well aware of cyber-attack 'Wanna Cry' and 'Petya', which has gained eyeballs. For every nation security and surveillance has become a key to survival. At the same time, cyberbullying is an emerging topic to worry. Bullying through offensive photos, videos intensifies psychological and emotional effects on victims.

In this digital world, women's security is also big concern and probably at high risk. There was a recent case of US-based 26-year women, whose cloud account was hacked and private videos were stolen by a blackmailer, and she had to face deadly consequences. And a 17-year-old girl from Udaipur whose photos were stolen from her social media account, were morphed before being circulated on the internet. In such situations security is surely compromised.

In this scenario evolving technology can be used to protect such crimes, such as IoT based application can be utilized to see the movement and get warnings when movement is identified, like through notification to mail accounts or through SMSs. IoT applications can also play a key role in security equipments which are used for protecting industries, banks, offices, critical installments like Nuclear power stations, from terrorists groups among others.

We can conclude that, we live in evolving world, and evolution is fact, but we have to prepare ourselves to protect from such situation.

Amrisha Sethi
Corporate Communications,
MobileComm Professionals Inc.

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Acquisition

PRESS RELEASE
MobileComm Professionals Inc. acquires XplorG Core360°, now mCoreSolutions Pvt. Ltd.

MobileComm Professionals Inc. expand its portfolio in Cellular IP Core Network domain by acquiring XplorG Core360° now mCore Solutions Pvt. Ltd.

Richardson TX, Sept 1, 2017: MobileComm Professionals, Inc., a global Wireless Engineering Frontier Company headquarter in US, announced today that it has acquired **XplorG a Telecommunications and IT convergence innovations product firm.**

This acquisition extends MobileComm's leadership in network transformation services and enhances its already robust, next-generation technology focused portfolio of services, products and support facilities. With XplorG's feature rich products encompassed around Core360° concept, MobileComm is now uniquely positioned to provide an end-to-end innovative solution packages to its global clientele base. Core360° platform aids in traffic modeling and assist in Dimensioning Network Elements like IMS/HSS/IPCORE/SAE/MSS/MGW and Its interfaces based on Predictive Traffic Fore-castings. Further deep dive analysis of Core networks helps CSP's improve their CEM/QoE Scores reducing overall CaPex and Opex. Ever Assured Configuration and Performance Engine lies at the heart of AI Algorithm which powers the solution. These advanced network management capabilities prove to be extremely important to current wireless landscape involving upcoming 5G architectures where IT and Telecommunication is converging. The transaction includes all associated Intellectual Property (IP), a research and development facility and associated client base, customer support and maintenance contracts.

Core360° absorbs multifaceted complexity of VoLTE/SAE end to end chain in multivendor environment and answers many questions of IT and telecommunication intersection. This unique solution provides a comprehensive Platform to cover all IP Core/EPC and legacy core NW management needs of CSPs. Core360° encompasses services/tool offering unique data analytics and agility.

Gurmeet Likhari, Group President, MobileComm expresses his views on this acquisition and quotes "As the industry transitions towards advanced LTE and 5G, with a growing integration into software based system nodes, we answered, with Core360°, a critical requirement for an innovative complete network performance monitoring solution that allows for live, dynamic analytics and best response recommendations to our clients, to address different workloads within a network. It provides inherent value to CAPEX and OPEX objectives of our customers,"

MobileComm's CTO, Rajiv Gandhi, one of the leading proponents of this acquisition, commented "Core 360 now provides MobileComm's customers with a complete map of their network, end-to-end. MobileComm already has, in its arsenal, a suite of innovative and future ready platforms and services, on access and transport part of the network, across all technologies and OEMs. With Core 360°, we are able to provide our clients with a complete network tools/services platform which is not only vendor agnostic but also customizable to the needs of the audience in the client organization – Engineers to CTO – with added analytical features such as a 5-year predictive look at their Core network health."

Combined with MobileComm's existing Wireless Network Planning, Deployment, Optimization and Performance Management offerings, Core360 plays an integral part of a mobile data, Software-defined Networks (SDN) and cloud based architecture strategies. Being a feature-rich big data analytical map/platform, Core360° offers IT, Revenue assurance and Marketing teams within Service Provider organizations to nail their specific needs enabling them more proactive to take effective decisions and synergy among different organs. It also provides the network performance teams, often with single click, an outlook into auditing and optimization, POI analysis and augmentation, live traffic modeling, KPI Aggregation, E2E call/session viewer for EPC/VOLTE thus savings probe cost among many more performance analysis features that are imperative in the future telecommunication landscape.

The CEO of XplorG and the brain child behind Core360°, Shubash Bali commented "I could not be more excited about this synergy with MobileComm Professionals. The need of the hour is to understand the gravitas of these new architectural changes and addressing the industry needs with technical expertise and by absorbing the complexity through innovative solutions. MobileComm being eagle eyed on technological changes around communication sector follow 'kaizen' principle to adapt its services and tools and Core360° is a perfect fit within its dynamic yet holistic portfolio on a global stage"

In connection with the transaction, MobileComm is on-boarding the entire talent pool associated with the Core360° business. This team will be working closely together with MobileComm to support customers of Core360° as well as deliver differentiable end-to-end solutions to ensure continued support for customers in the future. Financial terms of the transaction were not disclosed.


tele.net.in

MobileComm Professionals Inc. acquires XplorG

September 01, 2017

MobileComm Professionals Inc. announced the acquisition of XplorG, a telecommunications and information technology (IT) convergence innovations product firm. This acquisition strengthens Mobilecomm's position in network transformation services and enhances its already robust, next-generation technology focused portfolio of services, products and support facilities. With XplorG's feature rich products encompassed around core360° concept, MobileComm is now uniquely positioned to provide an end-to-end innovative solution packages to its global clientele base with a framework that covers planning, optimization, auto-assurance, capex-management, SON, pm aggregator, SNMP, auto-audit, revenue-assurance, cem/qoe and many more with opex efficiency at the centre. These advanced network management capabilities prove to be extremely important to current wireless landscape involving the Internet of Things (IoT), over the top (OTT) content, cloud computing and upcoming 5G architectures. The transaction includes all associated intellectual property, a research and development facility and associated client base, customer support and maintenance contracts.


HTDS CONTENT SERVICES

MobileComm Professionals Inc. acquires XplorG Core360deg, now mCoreSolutions Pvt. Ltd.

New Delhi, Sept. 1 -- MobileComm Professionals, Inc., a global Wireless Engineering Frontier Company headquarter in US, announced today that it has acquired XplorG a Telecommunications and IT convergence innovations product firm.

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2nd September 2017

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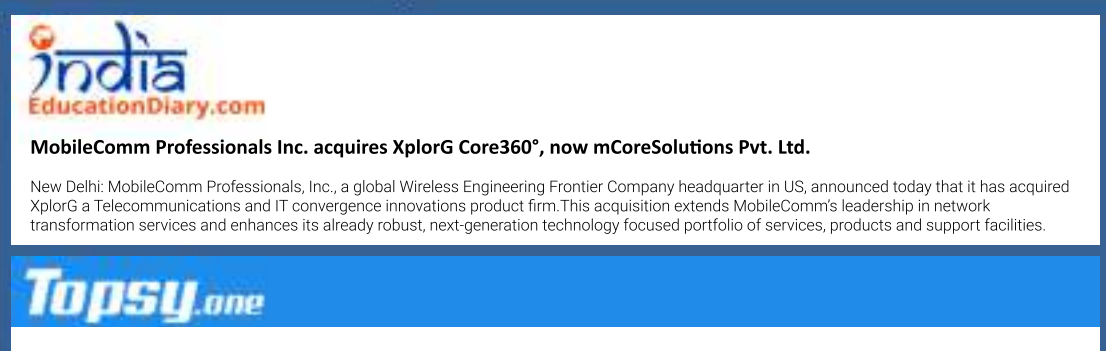
India EducationDiary.com

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Topsy.one

MobileComm Professionals Inc. acquires XplorG Core360°, now mCoreSolutions Pvt. Ltd. Fri, 01 Sep 2017 05:05:00 GMT

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The Data Driver

MobileComm Professionals acquires XplorG Core360°, now mCoreSolutions

on August 31, 2017

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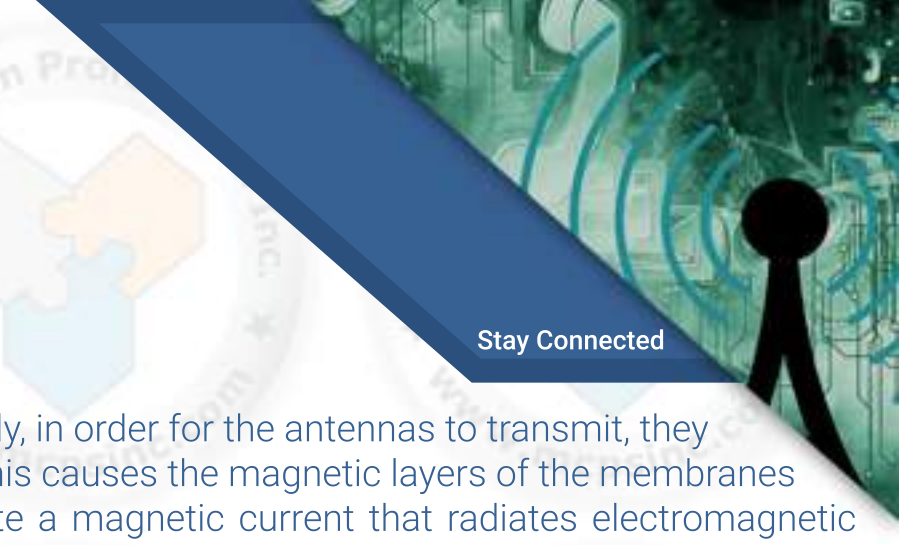
Main Story



TINY MEMBRANE-BASED ANTENNAS

New membrane-based antennas could be nearly 100 times smaller than the most compact current antennas, a new study finds.

These antennas could find use in portable wireless communications systems, including wearable electronics, smartphones, bio-implantable antennas, bio-injectable antennas, bio-ingestible antennas, and the Internet of Things, researchers say.

State-of-the-art compact antennas are designed to resonate at specific wavelengths. But their miniaturization is limited to roughly one-tenth of their resonant wavelengths.

The new antennas developed by researchers at Northeastern University and their collaborators can now be shrunk to sizes as small as one-thousandth of the wavelength they aim to receive and transmit—without any degradation in performance. The researchers detailed their findings online today in the journal Nature Communications.

These new antennas consist of thin membranes made up of two different kinds of films. Its piezomagnetic iron-gallium-boron layers convert mechanical oscillations to magnetic signals and vice versa. They are paired with piezoelectric aluminum nitride films, which convert mechanical oscillations to electrical signals and vice versa.

When these membranes receive electromagnetic signals, their magnetic layers sense the magnetic fields of these electromagnetic waves. This causes the membranes to vibrate, which piezoelectrically generates a voltage.

Conversely, in order for the antennas to transmit, they vibrate. This causes the magnetic layers of the membranes to generate a magnetic current that radiates electromagnetic waves.

The sizes of these “magnetoelectric” antennas depend on the wavelengths of the acoustic vibrations they operate with instead of the electromagnetic signals they receive and transmit. Because these acoustic wavelengths are about 100,000 times shorter than their corresponding electromagnetic wavelengths, these new antennas can be much smaller than conventional antennas.

“This acoustic antenna concept changes the fundamental principle on which antennas have been designed for over a century, and can lead to dramatically compact antennas with improved performance,” says study senior author Nian-Xiang Sun, an electrical engineer and materials scientist at Northeastern.

In experiments, these nanoelectromechanical system (NEMS) antennas could receive and transmit at VHF and UHF radio frequencies. In addition, they are completely passive, requiring simple electronics and no battery.

Future research will attempt to improve antenna performance through new materials, new designs and better fabrication processes, Sun says. “These are the first magnetoelectric antennas that have been demonstrated, which are not perfect,” he says. “We see a lot of room of improvement.”

By Charles Q. Choi
IEEE SPECTRUM

Tele News

IOT STARTUP LETSTRACK TARGETS $1 MILLION MONTHLY REVENUE BY MARCH 2018

UK based IOT startup Letstrack is targeting $1 million monthly revenue by march 2018 as it plans to go aggressive in the tracking solutions space in the Indian market. The tracking solutions company has been present in India for 8 months now and claims to have become the second largest player in this space.

BSNL IN TALKS WITH BHARTI AIRTEL, RELIANCE JIO FOR SHARING DARK FIBRE

State-run Bharat Sanchar Nigam Ltd (BSNL) is in talks with private telecom operators Bharti Airtel and reliance Jio Infocomm for sharing its dark, or unused, Optic Fibre as part of its efforts to double its revenue from network sharing to about Rs. 3,000 crore in 2017-18.

AI, AUTOMATION TO BE NEXT DISRUPTIONS FOR INDIAN BUSINESSES: REPORT

Indian business landscape is likely to be influenced by trends like Artificial Intelligence, Automation and Digital Currencies in the second half of this year, says a report.

INTERDIGITAL TESTS MOBILE EDGE COMPUTING USING NFV AND SDN

Interdigital flips platform uses NFV and SDN 'fabric' interdigital, a mobile technology research and development company, announced its mobile edge computing (MEC) 5G network architecture trial in Bristol, U.K., Was a success. Bistol is open, a collaborate smart city project run by the university of Bristol and Bristol city council, sponsored the three-week trial using Interdigital's flexible-IP services (flips) platform. The trial consisted of a "treasure hunt" mobile application made available to anyone with an android device in central Bristol.

T-MOBILE US STRESSES IOT, 600 MHZ IN CONTEXT OF 5G PLANS

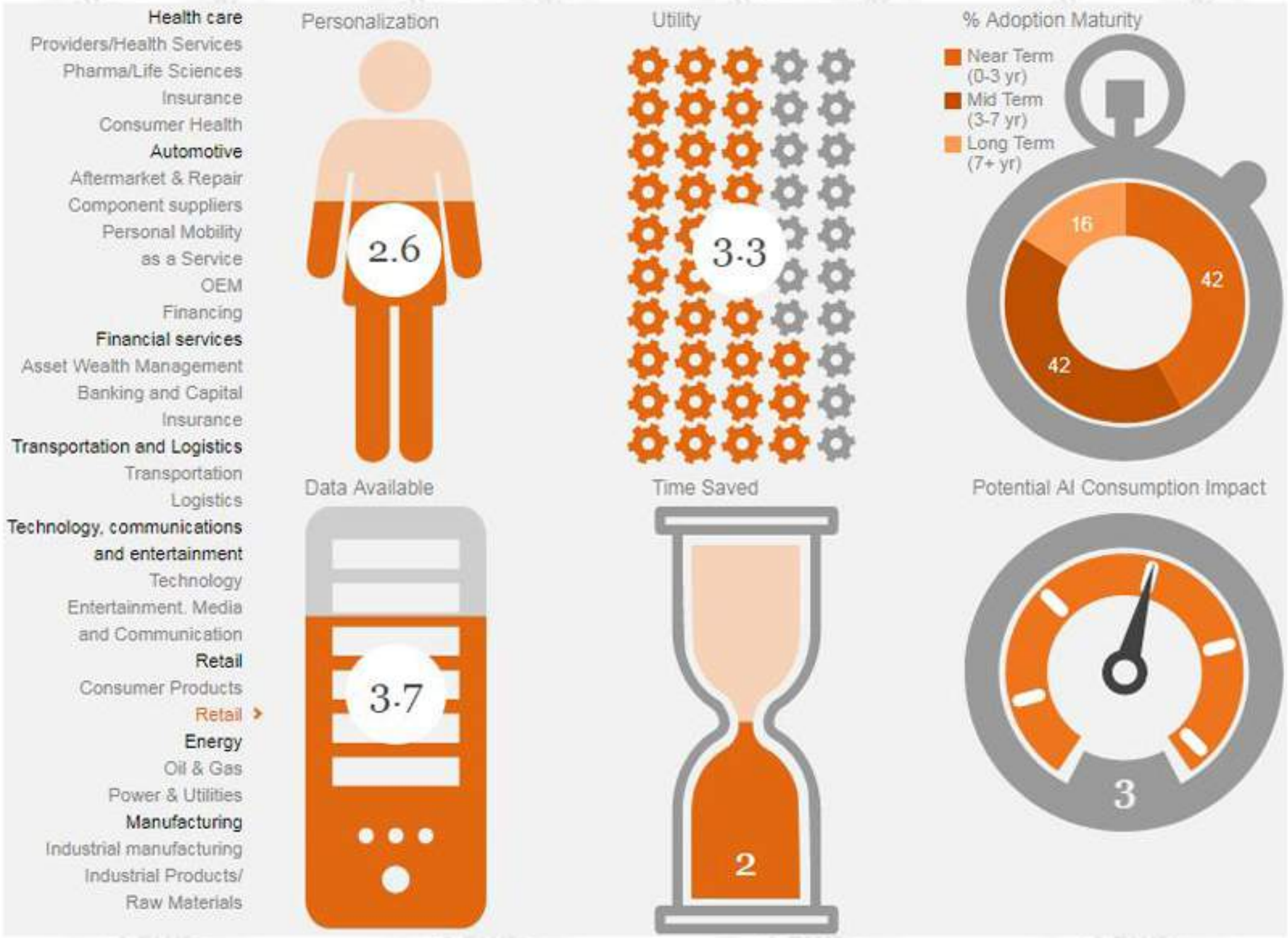
T-Mobile US emphasizes IOT as key 5G use case T-Mobile US made a splash earlier this year announcing it would deploy a mobile "nationwide 5G" network–as opposed to 5G fixed wireless access, which Verizon and AT&T are focused on–following its $8 billion acquisition of nationwide 600 MHZ spectrum licenses during the federal communication commission's incentive auction. This week during the Oppenheimer technology, internet and communications conference, vice president of investor relations Nils Paellmann added some color to how the self-billed "un-carrier" regards 5G.

USING SMALL CELLS TO CONNECT THE UNCONNECTED IN NORTHERN CANADA

Ice wireless leverages parallel wireless' small cells, Hetnet gateways and software-defined radios to deliver rural mobile broadband in Northern Canada–the provinces of Northwest Territories, Yukon, Nunavut and Quebec–the population density is 0.03 people per square kilometer.

Photo Credits - Google

EXPLORE THE AI IMPACT BY SECTOR



Source: PwC

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Professional Speaks

SUBHASH BALI
CEO, mCore Solutions Pvt.Ltd

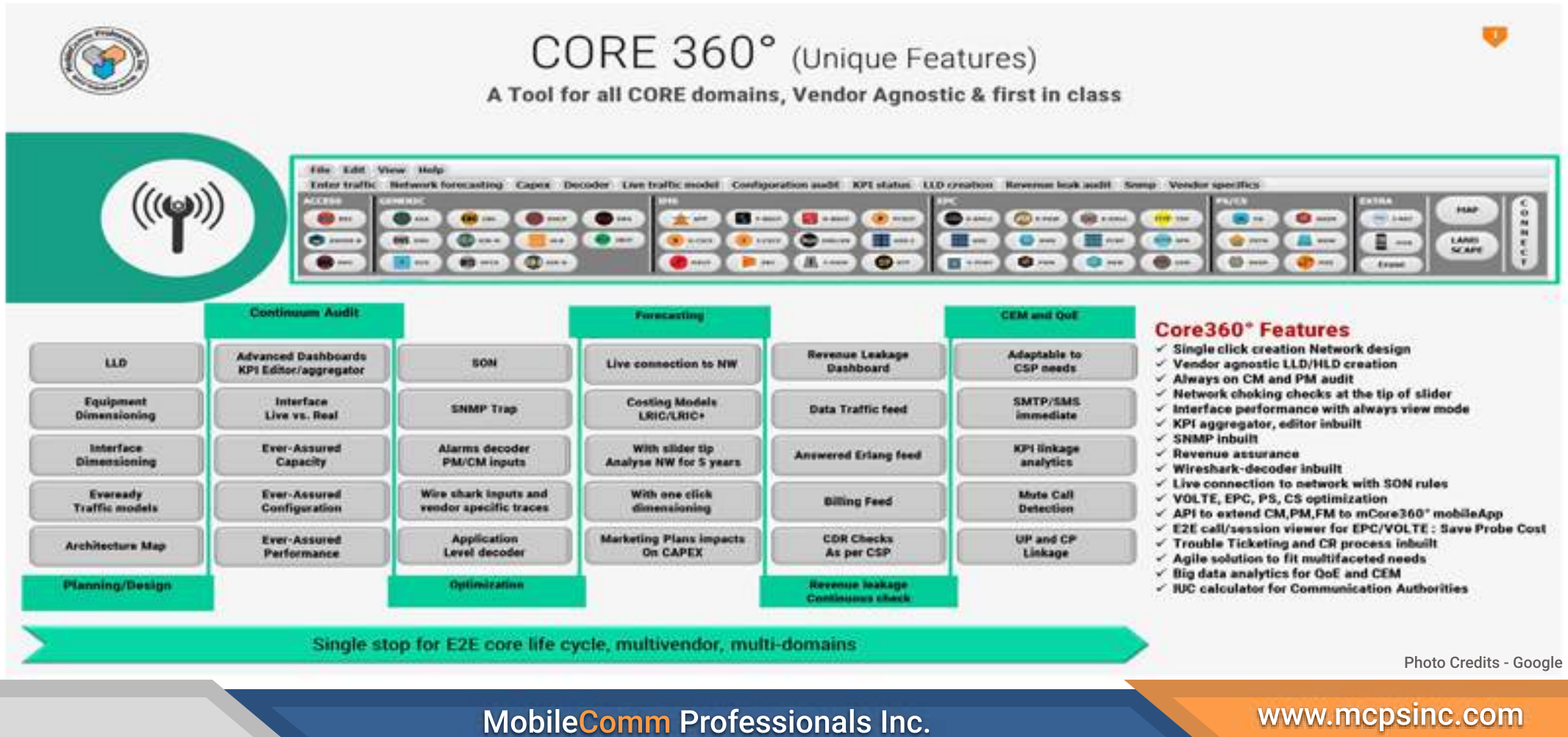
INTERSECTION OF TELECOMMUNICATIONS AND IT SECTOR

In recent times telecommunication and IT sector has intersected a lot and are at the verge of merge. This has put many challenges to telecommunication professionals to adapt themselves on different domains in terms of their knowledge parity and has further exerted pressure on CSPs to sort new ways for network management and tuning of their business models. Market dynamics are so rude these days that there is no room for even iota of inefficiencies while adapting to such changes.

Positive sides of these converged networks are; simplified and horizontal layers from access to application under NGN framework where it all depends how deep one can think to create new services with open models like IOT, OTT and many more. The other side is to manage this tornado which is not an easy task for telecom SMEs/CSPs. As technocrat I hold the view that complexity and simplicity are balancing terms in any system setup; if we create something somewhere simple it has to create complexity elsewhere, this can be on software side or process tuning or on knowledge adaptability. If we have to keep things simple to end user, we have to absorb the complexity at the back end system. Other way we can't afford in present competitive environment.

If we recall the days when we have to troubleshoot GSM call, we just look at few nodes i.e. BTS, BSC, MSC and POI that's all. If we have to troubleshoot the same call/service today under VOLTE; we have to look it through eNodeB, EPC, IMS, application and cloud infrastructure. The same communication service but has to pass through many boxes. Things become even more complex when CSPs have multivendor network.

Gist of writing this paper is to understand the gravitas of this new architectural changes and what all needed in terms of tools and process setup. MobileComm being an eagle eyed on technological changes around communication sector follow 'kaizen' principle to adapt its services and tools model. Thanks to our new state-of-the-art tool map named as Core360° which absorb multifaceted complexity of VoLTE/SAE end to end chain in multivendor environment and answers many questions of IT and telecommunication intersection. This unique solution provides a comprehensive platter to cover all latest and legacy core NW management needs of CSPs. Core360° encompasses services/tool offers with unique data analytics and agility. The framework covers planning, optimization, auto-assurance, capex-management, SON, PM aggregator, SNMP, Auto-audit, Revenue-assurance, CEM/QoE and many more with opex efficiency at the centre



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