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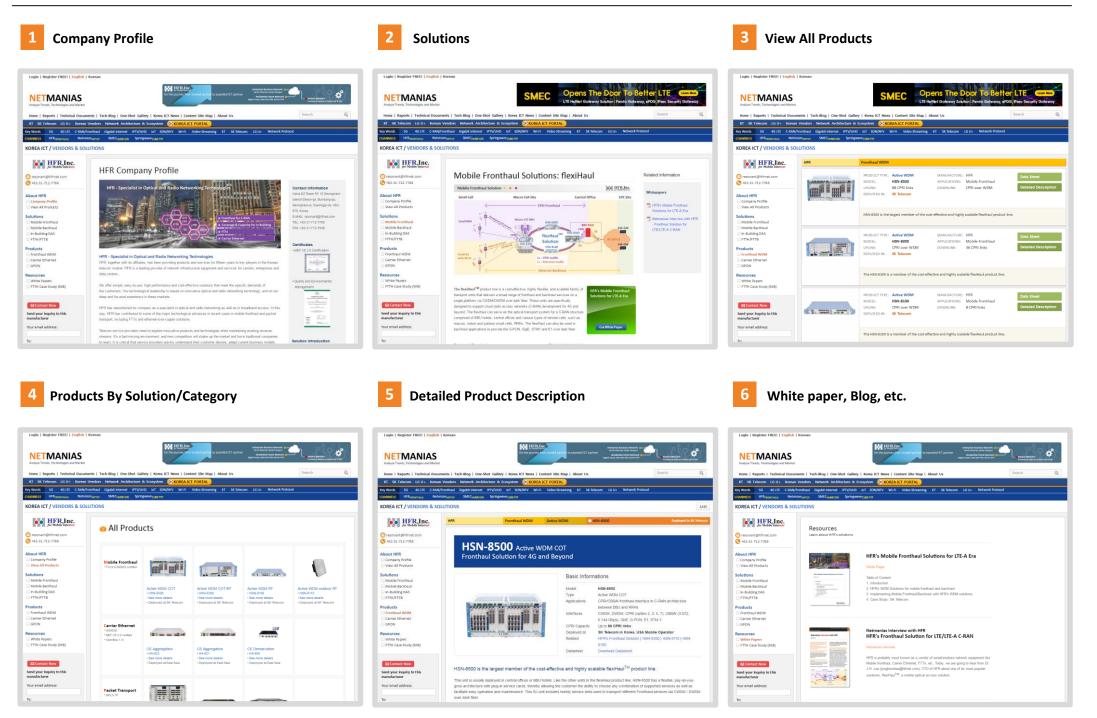
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For Mabile Internet Oresonant@hfmet.com 031-712-7768 감사 소기 HFR 소기		장비 유형: 모델명: 업립크: 도입 사례:	Active WDM HSN-8500 CPRI over WDM SK Telecom	제조사: 응용 분야: 다운링크:	HFR Mobile Fronthaul 88 CPRI links	Data Sheet Detailed Description
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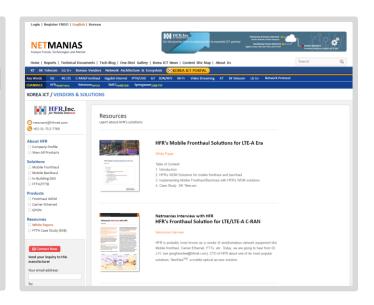
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Detailed Product Description



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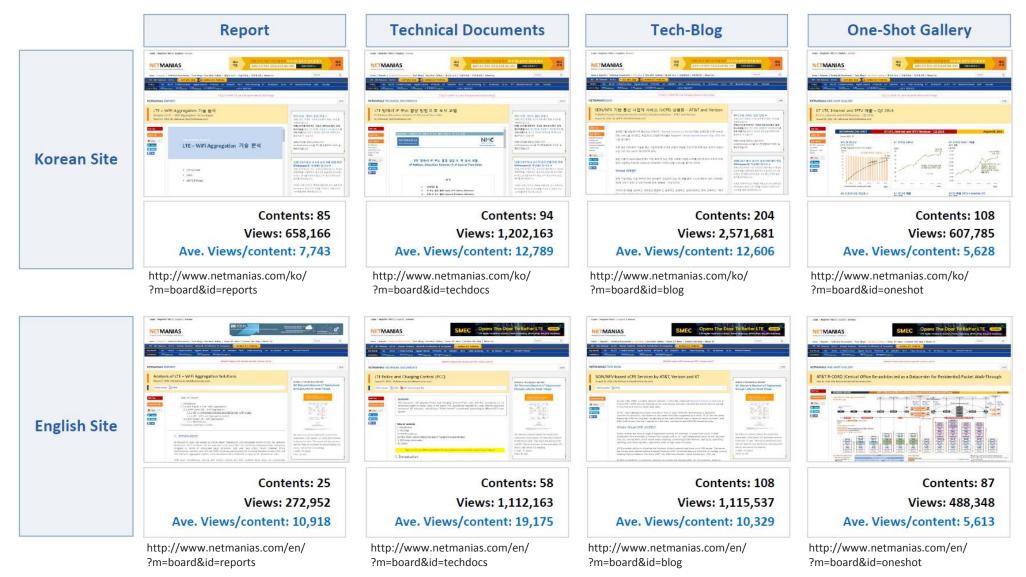
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Netmanias.com, a portal dedicated to network and communication founded in 2002, has been providing a venue for professionals in the industry to obtain and share knowledge on wired/mobile network service, latest trends and key technologies in the network and communication industry for the past 14 years. Netmanias.com's English website launched in 2012 As of June 2016, Netmanias.com has more than 58,000 subscribers and 500,000 visitors annually.

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 SG network as envisioned by KT - Analysis of KT's SG network architecture Nokia's D-RAN/C-RAN Evolution Architecture 09/13/2016 Netmanias One-Shot Gallery 5G and Network Slicing • Like With 5G being actively discussed everywhere, **Network Slicing** certainly is one of the most discussed technologies these days. Network operators like KT, SK Telecom, China Mobile, DT, KDDI and NTT, and also vendors like Frisseen. Neika and Huawei are all recognizing it as an ideal network architecture for the coming 5G era. New Open Source CORD Project Offers First Open Reference Implementation F Service Providers' Central Office/Access in Share ₩ Tuest -This new technology lets operators slice one physical network into multiple, virtual, end-to-end (E2E) networks, each logically isolated including device, access, transport and core network (like partitioning a HDD into C and D drives) and dedicated for different types of services with different characteristics and regularizents. 5G IOT Security 20 Geed For each network slice, dedicated resources (like resources within virtualized servers, network BW, QoS, etc.) are guaranteed. As slices are isolated from each other, an error or fault occurred in one slice does not cause any effect on communication in other slices. AT&T's CORD - the ultimate architecture born after decades of innovation in the communications network -08/31/2016 Then, why 5G needs network slicing? 5G Internet of Things -14 So far, mobile networks (of up to So far, manky serving for 10 to 400, manky serving mobile phones, have been optimized for phones only, at lurg-however, in Sof ar, help have to serve winety of devices with different most mentioned use cases for Sof an are Mobile backband, Heavier Uch, and Efferent types of features and networks in terms of mobility, displaying, security, palcy control, latency, reliability, etc. 20. SDN and NFV Drive Change, But Not Everywhere -08/28/2016 Netmanias Blog SDN/NFV-based vCPE Services by AT&T, Verizon and KT For instance, an massive IoT service that connects immobile sensors measuring temperature, humidity, precipitation, etc. to mobile networks does not require features like handower or location update, which have been critical insorring mobile phones, or a mission-ricular IoT service (illia automousi arring or remote controlled robots) requires, unlike mobile broadband service, a substantially low E2E latency - less than a fee miss. kt 08/22/2016 Netmanias Blog KT's nationwide LTE-M network and IoT strategy Table 1. Most compelling use cases for 5G 04/18/2016 5G Use Case Example Requirements anias Blog Adde Broadbard
 Actific LHD, holgraam, AdV/R
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 Sensor reference memory.approximate
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 Assesses KOREA ICT RESEARCH REPORT SK Telecom's Massive IoT Deployment hrough LoRa for Small Things Then, does this mean we have to make dedicated networks for each service? So, one for SG phone, one for 5G massive IoT, another for 5G mission-critical IoT, and so on? No, we do not have to because netwo stiong can give you multiple logical networks over a single physical network. A much more cost-effective way! 4G Network: communication service SG network: all mobile services via all types of devices -----Service/Device -----Communication service (voice, text and internet) BEALLY AND A DESCRIPTION OF A DESCRIPTIO Massive iof _____ SG network G ---- 4G network -> SK Telecom commercialized the world's first nationwide LoRa-based, IoT dedicated network in the end of June. This report will discuss how well SK Telecom is polsed for the emerging IoST sector, and where it is heading. L how? Length: 35 pages Price: \$1,495 Multiple SG networks ?X Network Slicing Mobile Broadband How to contribute articles to Netmanias 1 -- Catalan Massive lat We always welcome contributed articles. Share our expertise and inspire others! Caller - Annala Mission-critical IoT

Figure 1. Network slicing. Why do we need it?

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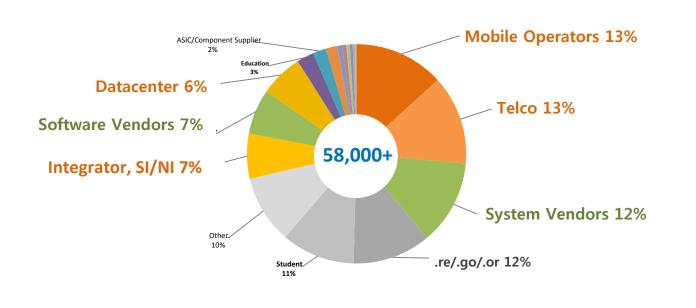
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[Leslie Shannon at Nokia Networks.] As someone who monitors LTE markets worldwide, I spend a lot of time looking at Korea. All three operators there have been world leaders in the technology since its inception and they continue to

drive new developments with world-leading implementations of LTE-A and VoLTE. **Go, Korea!**

Just when I'd thought I'd crunched through all the relevant market data, I was given the heads up to **check out** <u>www.netmanias.com</u>, which displays data about the Korean telecommunications market in various engaging ways.

[Rohit Juneja at Cisco Systems.]

Netmanias has **a good collection of Docs**. Definitely recommend to go through the doc collection to understand basics in a very well formatted and organized manner.

[Tomáš Borovský at at Huawei Technologies]

It's difficult to make a fair assessment because I have no comparison to similar documenT. That's why I consider Netmanias as unique as nothing else. Keep your work on the same quality level. I really appreciate it.

[Tewfik Doumi at at ALCATEL-LUCENT]

Please keep it up. **Netmanias** is one of the best sites i have come across for mobile networking. It illustrates how ahead of their time South-Korean engineers and visionaries are. It has to happen in Korea first

[Ashutosh Kaushik at Ericsson]

Very well explained , **it's a delight to read such a document** . I always love reading **Netmanias**' stuff as these guys are so good in presenting and explaining the things and most importantly are doing a Great and good job of spreading knowledge with timely latest updates and in an authentic way. Really Appreciate it !!

[Akash at Ericsson]

Really **Most of my basic concepts cleared** by **Netmanias**. Thanks for that . Really wonderful content.



[Barry Greene: Smartfren Telecom]

If you want to see what the Korean operator have been focusing their innovation efforts, look at the materials from **Netmanias (<u>http://www.netmanias.com/</u>).** This is a consultant organization used by all the operators and several big vendors. **They have excellent technology whitepapers**.

[Victor Manuel Plaza at Orange]

Interesting, didactic and inspiring presentation; as usual Netmanias.

[Abhishek Jadhav at Reliance.]

It is **clear realization of technology**. Thank you very much.

[Ajay Kashyap at Reliance.]

Netmanias!!! very well explained, everything is crystal clear.

[William_Yang at CHT]

Good reading study Korean telecom industry and technology trend!

[Le Dang Thanh at Vietnam]

Netmanias provides us a broad view of LTE and related topic of telecommunication. I am thankful for your contribution to the telecommunication world.

[Ashutosh Kaushik at VIA Telecom]

Your material is great! A good introduction before one dive into 3gpp spec.

[Cheikhou Diao at SFR]

Wonderful documents: easy to learn.

[Brian at EE] Great article. Inspiring strategy.

[Akash Namdev at Ericsson]

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