FIRST DEDICATED LTE NETWORK FOR MINING AND INDUSTRY 4.O IN INDONESIA

Mobile World Congress, Barcelona, 25th February 2019 - Smartfren Indonesia, together with core-network partner Athonet, announced the commercial launch of its dedicated LTE network for one of the largest coal mines in the world. The network showcases Smartfren's ability to bring the full capabilities of the digital world to important industries that support Indonesia's development. The network delivers the most advanced LTE services with the quality of service required for the digital mine and Industry 4.0. The Athonet core-network allows Smartfren to deliver enterprise based use cases in today's LTE network and is software upgradeable to 5G without hardware impacts. The deployment shows how mobile operators can modernize enterprise communications with private LTE services from within a mobile operator's network and paves the way for new digital revenues.

Athonet's core network has been nominated for THREE Global Mobile Awards at Mobile World Congress 2019 including Best Mobile Technology Breakthrough, Best Network Software Breakthrough and Best Mobile Innovation for Enterprise (Industry 4.0).

Mining represents one of the most challenging and demanding environments to provide business critical communications services. In recent years, mine operators have sought more advanced technologies that can provide superior and reliable broadband solutions. When the mine decided to implement a high-performance communications network for a digital mine, they chose to deploy a dedicated LTE network from Smartfren powered by the award-winning Athonet mobile core network.

Previously, the biggest barrier to the deployment of a sophisticated LTE network such as this for an enterprise has been the cost and complexity of the LTE mobile core network and often tied to proprietary technology. By replacing the complex hardware-based, monolithic and proprietary architecture of legacy network providers with a fully software-based network from Athonet running on standard off-the-shelf hardware and an easy-to-use web-based management, Smartfren was able to deliver the most sophisticated mobile operator solution as a dedicated network in an isolated region.

In addition to providing coverage for the digital mine, the network also brings LTE coverage for data and voice to the local population, bridging the digital divide in one of the most challenging archipelagoes for providing LTE coverage.

"Smartfren always adopts the latest and most advanced technology in 4G LTE network connection. We are very pleased that our service together with Athonet's core network can provide the business solutions for Mines in terms of communications, especially as the first dedicated LTE network for Industry 4.0 in Indonesia. We also very proud that this cooperation can contribute to connecting communities especially in previously unconnected areas," said **Shurish Subramaniam, Chief Technology Officer Smartfren**.

"We are pleased to work with innovation leaders like Smartfren to bring connectivity for Industry 4.0 to one of the largest mines in Indonesia while at the same time delivering the internet to previously unconnected communities. It shows how mobile operators have a leading role to play in modernizing enterprise communications infrastructure for resilient, low-latency high bandwidth services.", added **Gianluca Verin, CTO of Athonet**.

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About Smartfren

https://www.smartfren.com/id/home/

About Athonet

ATHONET provides a fully in-house developed, 100% software-based mobile core for voice and data networks that runs in public & private clouds, enterprise data center environments or in field deployable units using standard commercial off-the-shelf hardware. The solutions are fully software upgradeable to 5G. ATHONET's deployment of its virtualised LTE mobile core network in 2010, the deployment of LTE in a real emergency during the Italian earthquake in 2012 and an LTE/5G mobile core which clicks-to-deploy on the public cloud in 2018 are considered world first deployments of their kind.

The Athonet platform offers EPC, IMS for VoLTE, NB-IoT and eMBMS, supports the regulatory requirements for roaming and allows wireless operators and end-users to break free from the restrictive, complex and expensive architecture of legacy solutions and embrace the true potential of mobile networks – capturing new sources of revenue whilst also massively reducing capex and opex.

Athonet is a winner of the GSMA Global Mobile Awards in 2016 and the International Critical Communications Awards in 2018. Its solutions are used by network operators, governments and enterprises across the world.