



– Press Release –

## FIRST COMMERCIAL CLOUD-NATIVE LTE MOBILE CORE ON AWS MARKETPLACE TO SUPPORT 5G USE CASES BY MOBILE OPERATORS

*London, 30<sup>th</sup> October 2018, Telecom Infrastructure Partnership Summit – Athonet, as part of the TIP Edge Computing Workgroup demonstration with BT, launched its BubbleCloud on the AWS Marketplace. The BubbleCloud is the world's first mobile core network on the public cloud with a distributed edge architecture that is available commercially any-where-in-the-world for 5G-type use cases such as low latency connectivity for video, AR/VR & gaming, Industry 4.0 and V2X for cloud-assisted vehicles. The demo used an end-to-end software- defined mobile-network from cloud mobile core to applications and LTE radio.*

As mobile operators face long and expensive trials and deployments to bring 5G to market, Athonet launched the 5G-Ready BubbleCloud on AWS Marketplace from under US\$ 99 a month to allow simple and cost-effective deployment of 5G use-cases now and seamlessly bridge to 5G without the high capex, high risk investment cycles of legacy providers.





Athonet's BubbleCloud allows mobile operators, governments and enterprises to deploy mobile networks today that include the following essential requirements for new generation mobile networks:

- **WEBSCALE MOBILE CORE** - Mobile core running on the AWS cloud that is validated for webscale workloads;
- **APPLICATION INTEGRATION** - Seamless integration with AWS IoT platform to allow any SIM based device to instantly connect, authenticate and securely utilise thousands of AI, machine learning and other IoT applications on AWS; and
- **DISTRIBUTED USER PLANE FUNCTION** - Distributed edge cloud, anticipating the 5G user plane, which allows users to deploy edge computing and end-to-end network slicing applications for AR, VR, V2X AND Industrial IoT

"Athonet allows mobile operators to demonstrate advanced LTE and 5G-relevant edge computing use-cases to customers in a very agile way. This accelerates validation with customers and the path to new digital services. The collaboration with other TIP members for content and radio solutions shows the benefit of the TIP community in developing innovative solutions for mobile operators," said **Maria Cuevas, Head of Converged Core Network and Services Research Team, BT**

With the Athonet BubbleCloud, mobile operators are freed from the Big Bang, high capex, high risk legacy telecoms investment cycles and can deploy 5G-type networks and services using the unrivalled agility, scalability and cost structure of the public cloud. The BubbleCloud, unleashes the power of Industrial IoT, Digital and Secure Enterprise, Smart Cities and Smart Grids, Connected and Autonomous Cars or the Connected Home. The service is also available for CBRS, sXGP and other users of spectrum for industrial and public safety purposes.

During the TIP Summit, Athonet demonstrated live with BT, one of the world's leading telecom operators, low latency edge video applications running on the local user-plane at the summit venue in London with control plane functions running in the AWS cloud in the West Coast United States. Other TIP Community partners included Qwilt for video applications and Lime Microsystems for software defined radio.

The BubbleCloud LTE Mobile Core is available as a commercial network-as-a-service on the AWS Marketplace beginning for less than US\$ 99 a month. It software upgrades, with no hardware impacts, to Athonet's full 5G-core on release.

"Athonet showed for the first time, a commercial service that demonstrates the potential of what the new generation, cloud native, mobile network can do. BubbleCloud allows operators to realise digital revenues today and fulfil 5G-type use cases without the cost, complexity, long lead-times and PAIN of legacy providers", added **Karim El Malki, CEO of Athonet USA**.

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## **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, virtualized or enterprise data center environments using standard commercial off-the-shelf hardware and is software upgradeable to 5G. Athonet's first deployment of its fully cloud-native virtualised core network solution in 2010 for AREA Science Park in Trieste on spectrum from mobile operator H3G on VMware infrastructure is considered the world's first production-ready deployment of a fully cloud-native mobile core solution.

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.