# Phluido and Quortus demonstrate interoperability between virtualized LTE-A RAN and virtual EPC products

**San Diego, CA, March 13, 2017**. Phluido, Inc. today announces that it has successfully completed interoperability testing between its radio access network virtualized baseband and Quortus' EdgeCentrix (ECX) 4G virtual core network product.

Phluido's Radio-as-a-Service (RaaS) is a breakthrough technology that brings all the benefits of a Cloud RAN architecture, including centralization and virtualization, in scenarios and use cases not possible with other technologies and at a fraction of the cost. This is achieved by means of an innovative, proprietary fronthaul protocol, denoted as RaaS Fronthaul-over-IP (RaaS-FIP™) with unprecedented features such as dramatic data compression, robustness to latency and jitter, power-saving, and scalability.

Quortus' ECX technology implements a complete 4G / 3G / 2G core network (enhanced packet core, or EPC) in software. ECX products are highly scalable, with active user counts ranging from a handful up to millions of connections.  They are designed to run on any choice of hardware, including embedded, server or cloud-based (NFV) implementations.  ECX technology has been deployed at scale by global service provider customers such as Telecom26;  and in highly compact scenarios, such as Telefonica's LTE Nano, described by the Spanish operator as "the first mobile LTE network running in just 40g of hardware".

The deployment used for interop tests, being fully virtualized from end to end, represents a revolutionary step toward 5G technologies and use cases. The tested system included a virtualized and centralized Phluido RAN instance, running on commercial off-the-shelf x86 CPUs, connected to a Quortus virtualized evolved packet core (EPC) instance via standardized 3GPP S1 interfaces, providing over-the-air services in a Cloud-RAN like scenario to commercial-grade mobile phones. The success of the testing campaign has been demonstrated using KPI such as data throughput, signal resiliency, and robustness to fronthaul inefficiencies such as latency and limited capacity.

Phluido and Quortus plan to continue the collaboration by further exploring the benefits of their respective technologies and their smooth interoperability, paving the way to 5G and a revolutionary yet inexpensive way to deploy and manage mobile networks.


**About Phluido**
The industry-first software-defined 4G network in a public cloud which controls a network of small cells thousands of miles away. Our patented RaaS Fronthaul-over-IP (RaaS-FIP) and 4G stack enable the virtualization of the LTE RAN without the need for fiber-grade fronthaul.

www.phluido.net
Media enquiries for Phluido
press@phluido.net


**About Quortus**
Quortus enables flexible, agile mobile communications networks that provide a foundation for innovative services tailored to a diverse range of end customers. Its award winning EdgeCentrix (ECX) virtualized mobile core solutions help increase operator margin and 'stickiness'. They interwork gracefully with existing mobile networks, with small cell and HetNet architectures and with standard IT infrastructure, to create truly integrated communications platforms. Quortus' ECX products are highly scalable and can be hosted anywhere – in the cloud, at the network edge, or deeply embedded alongside a cellular radio in a single-chip implementation.
www.quortus.com
Media enquiries for Quortus
Ed Howson:  ed.howson@temono.com


*No regulatory authority has approved or disapproved the information contained in this news release.*