RADIO-AS-A-SERVICE (RAAS)

A revolutionary virtualization approach to cellular deployments

Up to 70% TCO reduction compared to C-RAN, DAS, and traditional deployments.

Centralized interference management (CoMP, massive MIMO) improves throughput by up to 60%.

Enhanced mobility for seamless handovers in indoor dense heterogeneous networks.

A patented fronthaul protocol that works with any IP links, regardless of latency and throughput.

Cheap MIMO RaaS Remote Units™ are easy to deploy wherever an IP connection is available.
RADIO-AS-A-SERVICE (RAAS)

Replace 4G base stations with software instances running on x86 or ARM general purpose CPUs

- Deploying 4G cellular networks becomes cheaper and faster
- Our centralized SW stack coordinates multiple remote units for improved user experience and network coordination (including operations in unlicensed spectrum)
- The remote units can connect to the cloud, e.g., Amazon Web Services, over Ethernet or WiFi (competitors require on premise servers and/or fiber-grade links)
NON-TRADITIONAL USE CASES

- Areas with sudden increase in mobile traffic (events)
- Temporary coverage for areas that usually don’t have it
- Emergency deployments

Fixed units (RaaS RUs) or even drones (possibly moving, as with RaaS this would be transparent to mobile terminals)

Coordination improves user experience and eliminates the need for planning (which wouldn’t be feasible with temporary deployments that need to be set up quickly and cheaply)
LIVE RAAS DEMO NETWORK

- RaaS demo network in San Diego
- Runs on an AWS instance
- Controls two fully loaded RRUs, hundreds of miles away, using less than 10% of the CPUs and 5% of the memory
- Uses in-building Ethernet for last mile
TEAM

Executive Team

Alan Barbieri  
CEO

Dario Fertonani,  
CTO

Upkar Dhaliwal,  
Strategy and BD

2 PhD degrees  
20+ years experience in telecom industry  
60+ patents co-authored  
Proven leadership and technical skills

Board of Advisors

Bo Hedfors  
William Eigner  
Ken Potashner  
Mark Ollila

Extensive business and legal experience  
Expertise include business development, marketing, fundraising, M&A, and intellectual property
Several cellular operators around the world expressed interest in RaaS.

Contact us for more information or to schedule a private showcase of the RaaS demo network in San Diego:

- info@phluido.net
- Come and meet us at CES, Telecom Council NFV meet 2/2, MWC!