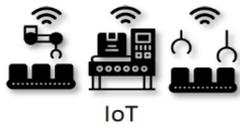




Community Meeting

Aether Overview

Aether Deployment View



IoT



Sensors



Surveillance



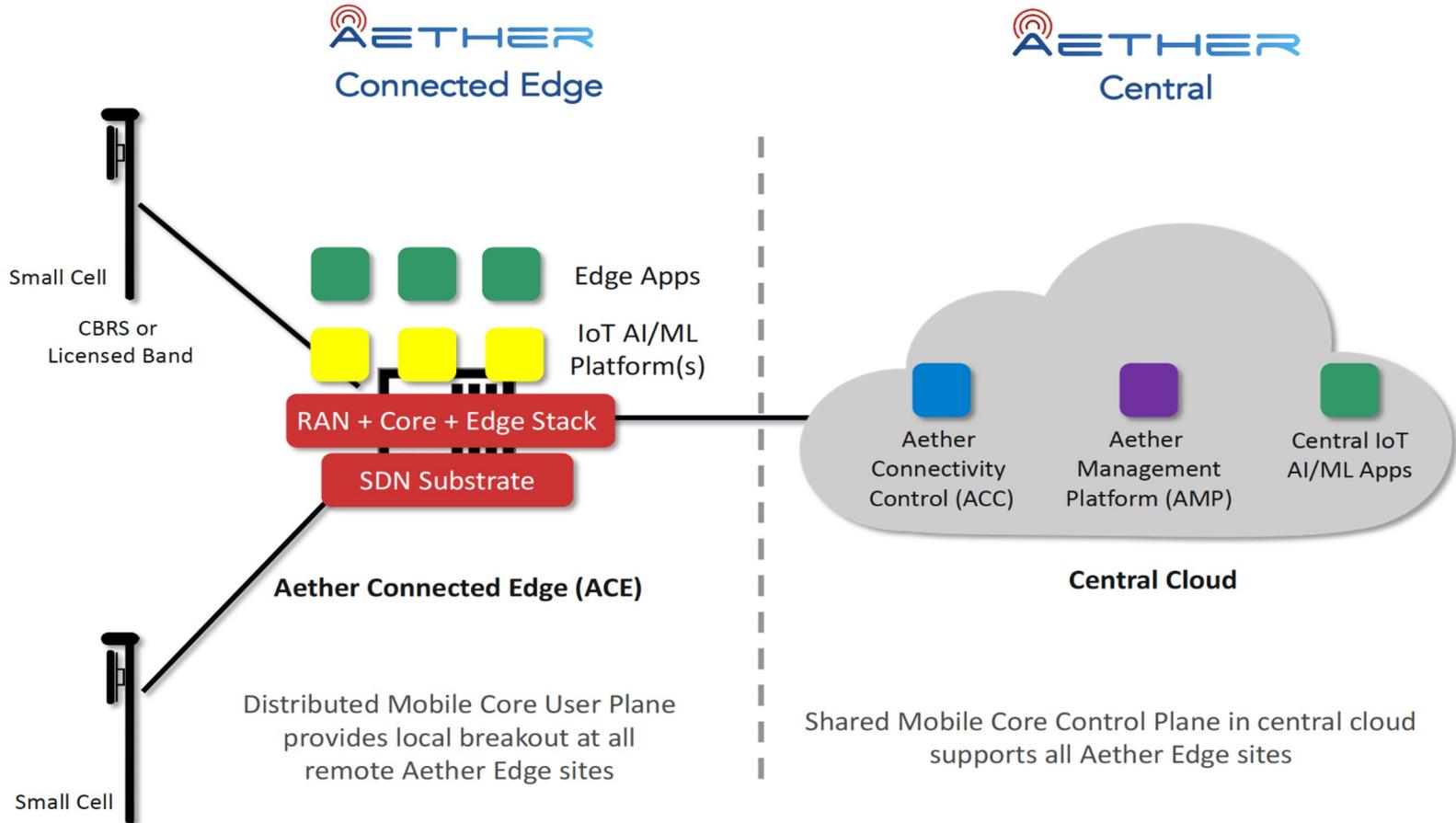
Multimedia



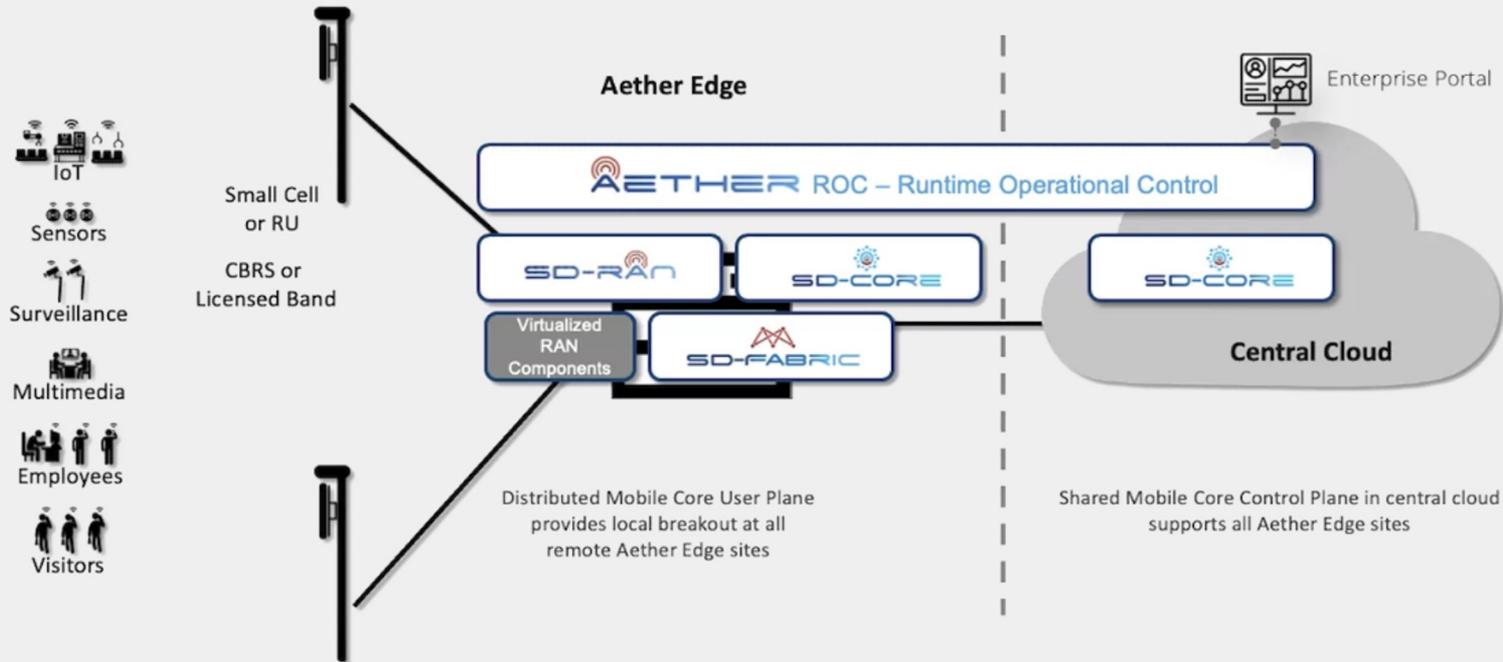
Employees



Visitors



Aether Architecture - Component Level



Aether Consumption Models - Aether-in-a-Box

Aether-in-a Box

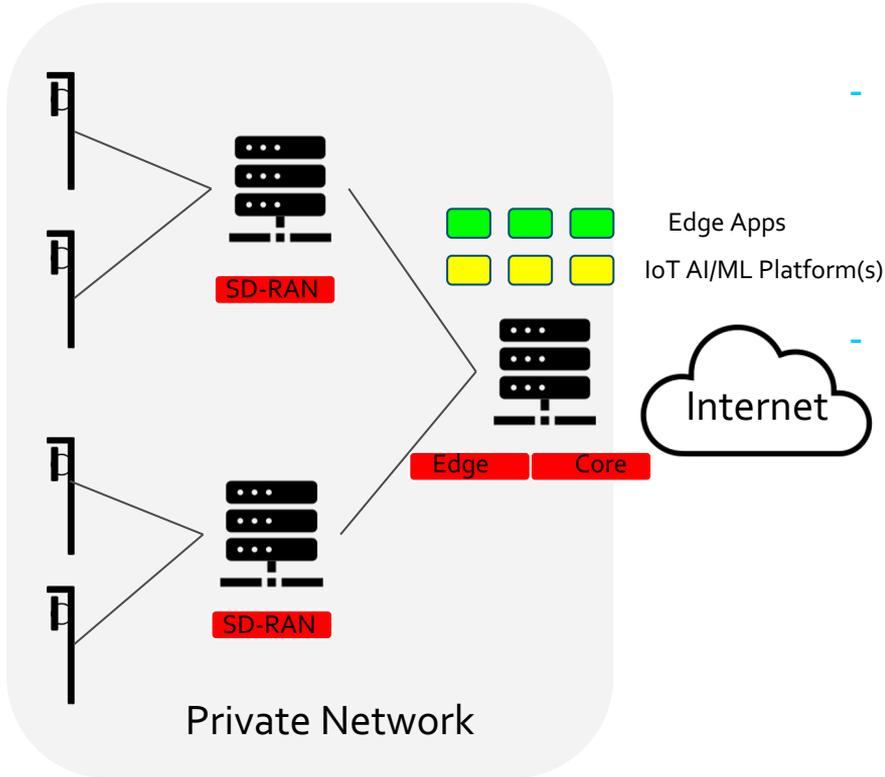


RANSim

Single radio

- Aether installed on single machine
 - One radio, or Simulated RAN
- Ideal for:
 - Evaluating Aether
 - Learning Cloud Platform, 5G
 - University - Research on Aether cloud platform
 - Learn & Research on Programmable SD Fabric

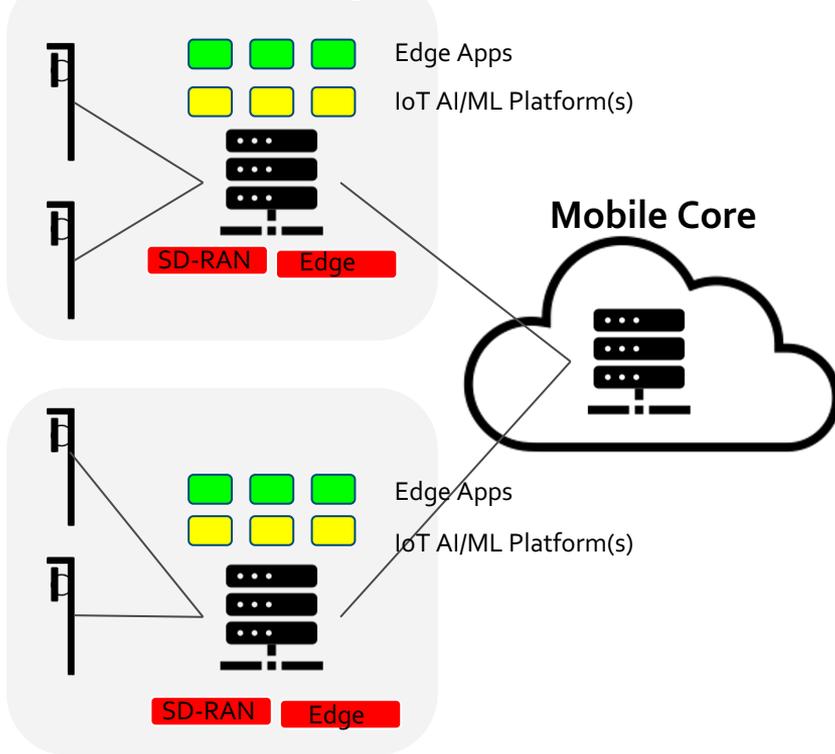
Aether Consumption Models - Aether Standalone



- Aether installed Inside a private network
 - Multiple radios/RANs
 - UPF can be extended to RAN for edge computing
 - Hardware acceleration of UPF (P4-based)
- Ideal for:
 - Provide 4G/5G connectivity services built on readily available hardware
 - Extensible architecture for "Pay as you grow" model
 - Writing Applications on Aether Platform
 - Enterprise - Smart edge POC/Trial

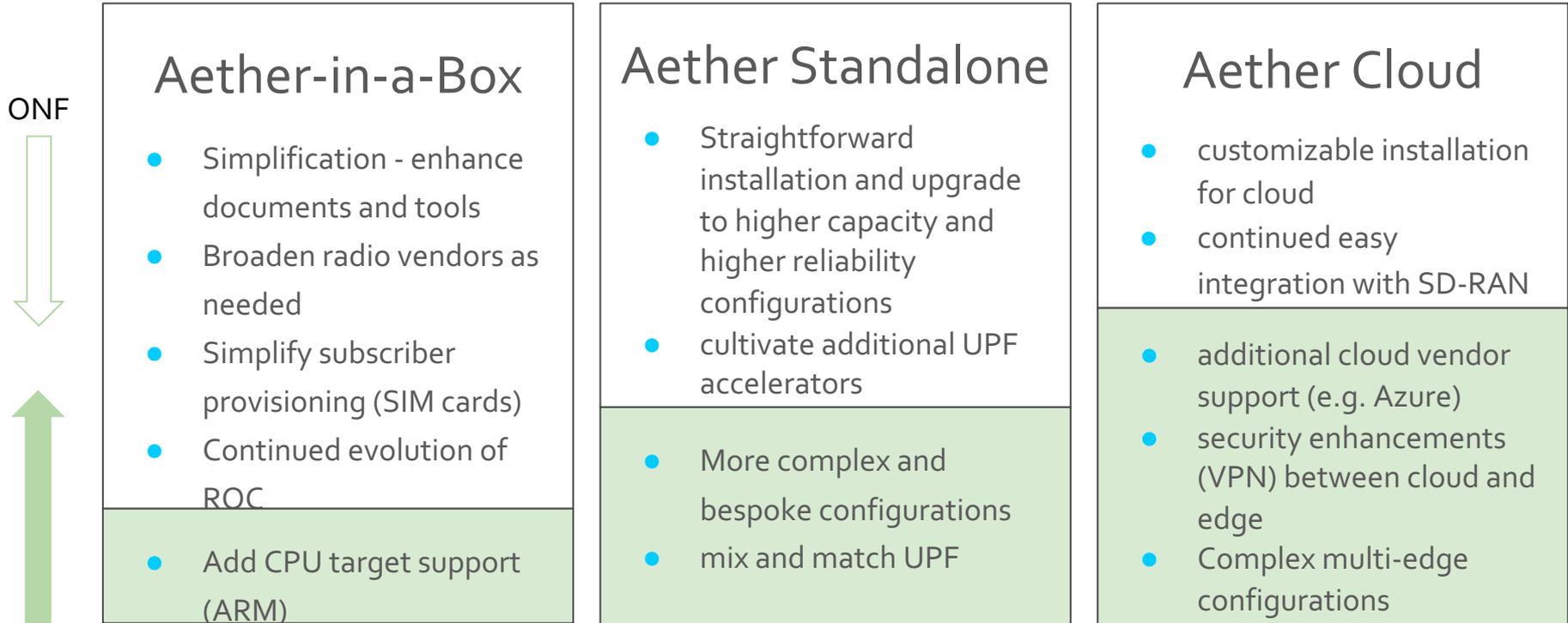
Aether Consumption Models - Aether Cloud

Aether Connected Edge (ACE)



- Aether core installed in commercial cloud provider (GCP, AWS and others)
- RAN and radios installed across multiple sites
 - Multiple radios/RANs
 - UPF can be extended to RAN for edge computing
 - Hardware acceleration of UPF (P4-based)
- Ideal for:
 - Provide 4G/5G connectivity services built on readily available cloud provider infrastructure
 - Extensible architecture
 - Writing Applications on Aether Platform
 - Open Source developer

Aether Consumption Direction



Aether Resources

- Aether document page

<https://docs.aetherproject.org/master/index.html>

- Aether Slack channel

https://join.slack.com/t/onf-community/shared_invite/zt-g2edgrid-t9mAGa4Y2RrKfBWbY665tA

- Aether TST information

<https://wiki.opennetworking.org/display/COM/Aether>

- Aether Community meeting notes

<https://docs.google.com/document/d/1haQNZ6kecEDorkANEEeOqsk-poyufAGwavgECp2HlHDI/edit?usp=sharing>

Aether Users



Cornell University,



國立交通大學
National Chiao Tung University

