Open. Together.
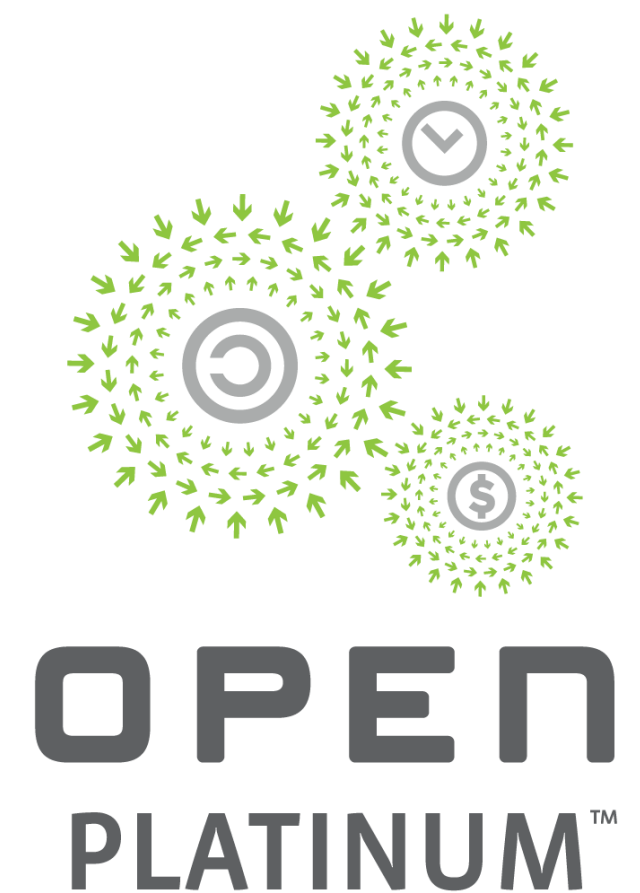
OCP REGIONAL SUMMIT

openEDGE
Chassis form factor development

Mikko Ohvo
Business development manager
NOKIA

openEDGE chassis development

2U high open edge chassis addresses the need for even more compact edge deployments where number of servers needed is between 1 to 3 server sleds.
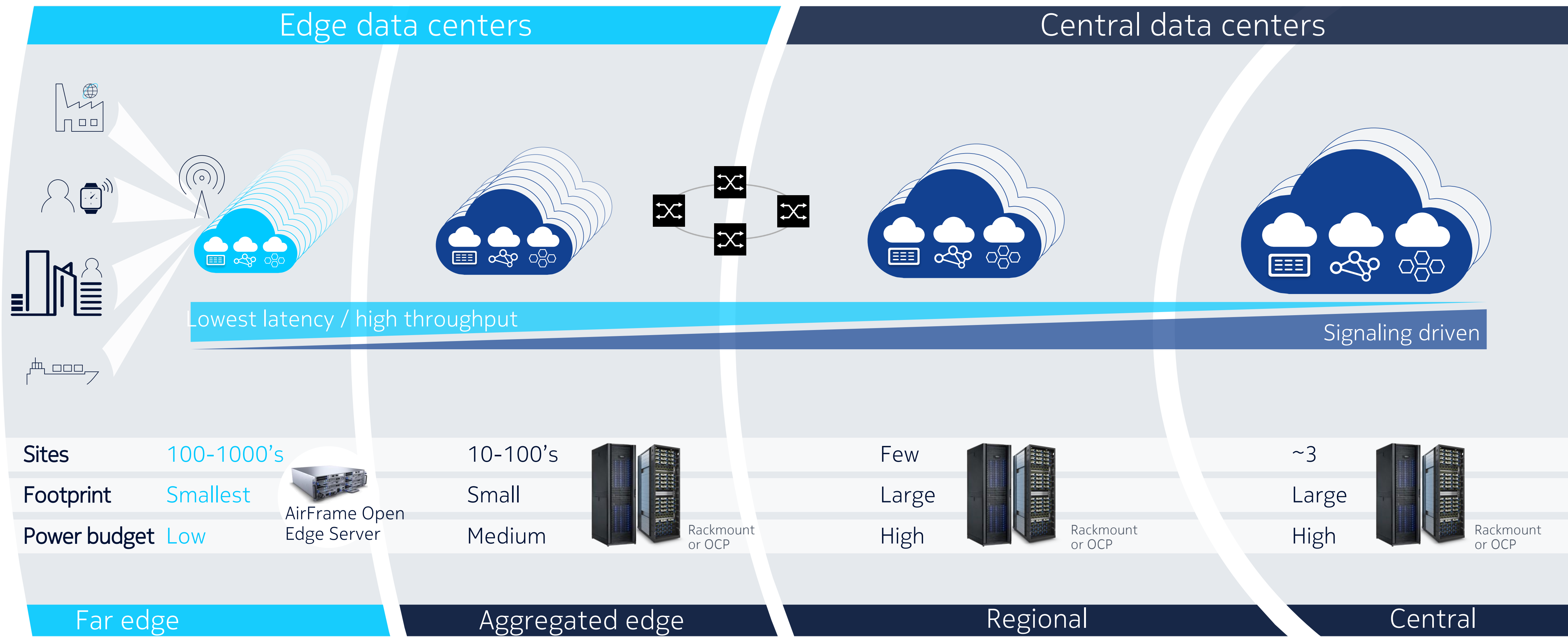
The chassis supports the same server designs as the already introduced 3U high open edge chassis, including the same power supplies and RMC module.
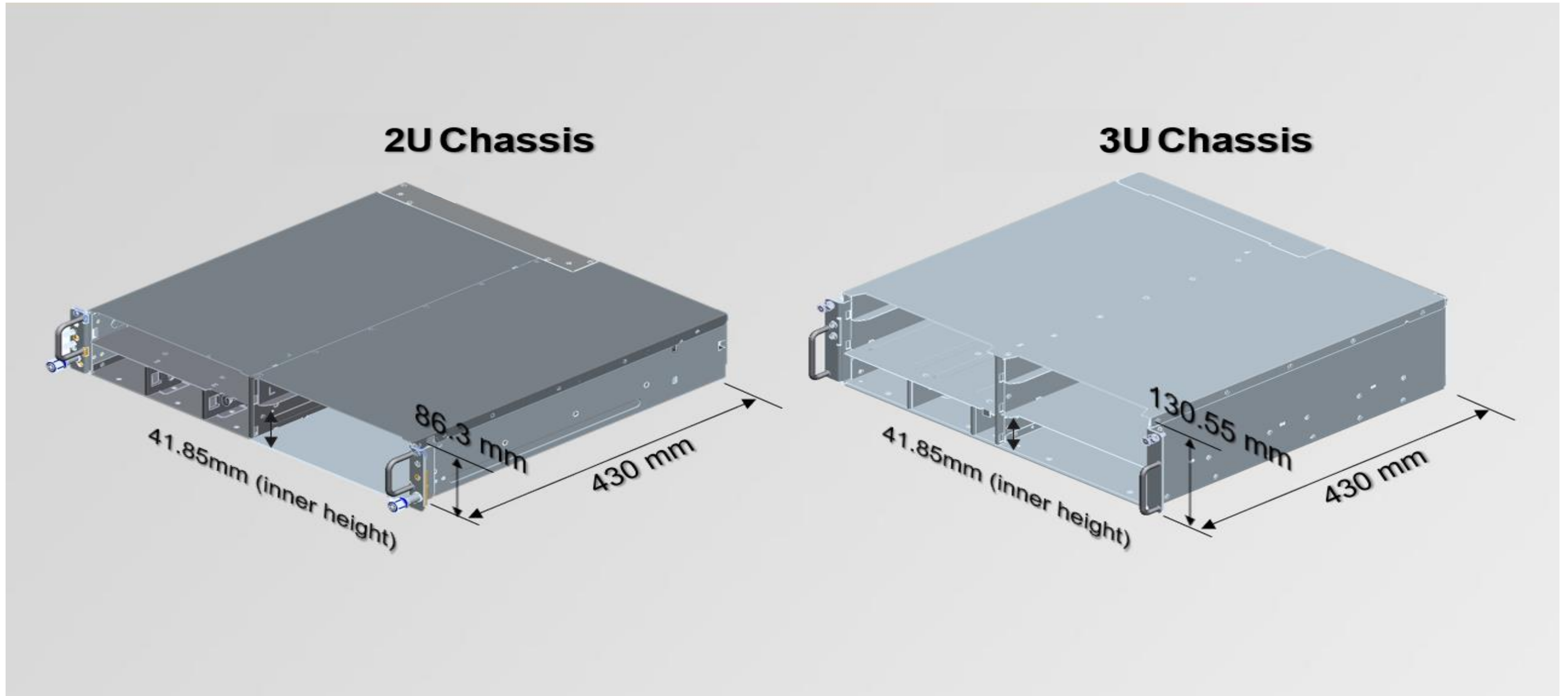
Product
Recognition

Managing the lowest latency/cost trade off with a layered architecture
First data center solution designed for the edge

Edge data centers

Central data centers

Lowest latency / high throughput

Signaling driven

	Far edge	Aggregated edge	Regional	Central
Sites	100-1000's	10-100's	Few	~3
Footprint	Smallest	Small	Large	Large
Power budget	Low	Medium	High	High

AirFrame Open Edge Server

Rackmount or OCP

Rackmount or OCP

Rackmount or OCP

4

NOKIA

2U chassis meets the requirements for smaller footprint installations

2U Chassis

86.3 mm

41.85mm (inner height)

430 mm

3U Chassis

130.55 mm

41.85mm (inner height)

430 mm

NOKIA

Open edge 2U chassis
Maintaining full compatibility with sleds designed for 3U chassis

- Chassis hight 86,3mm
- Fully backwards compatible with 1U and 2U sleds
- Uses same AC and DC power supplies with 3U chassis
- Same RMC for both 2U and 3U chassis form factors
- Same power feed capacity per sled as with 3U chassis
- Same environmentals supported as with 3U chassis

OPEN PLATINUM™

OPEN Compute Project
SOLUTION PROVIDER®

NOKIA

Open edge chassis future development options
Topics for discussion – opportunities for ecosystem collaboration

- Full width sled support

- 3U sled support

- 5U chassis

- Switch development – half width, full width

- BBU needs – capacity, back-up time etc

- HW acceleration sled – FPGA, GPU

- Storage sled

- Micro-server sled with Intel Atom technology, 3U

NOKIA

Product Info

- 3U open edge chassis is "OCP Accepted"

- Process for achieving "OCP Accepted" for 2U chassis has been started
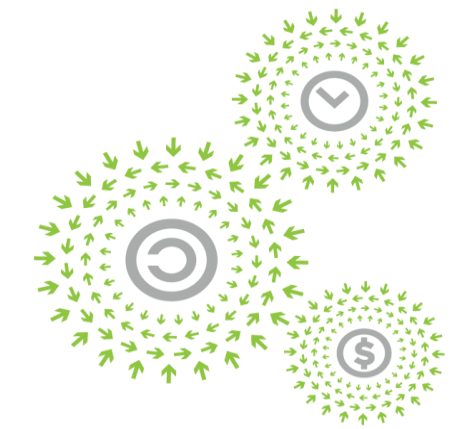
- Visit Nokia booth to see the 2U Chassis!

https://www.opencompute.org/products/324/nokia-openedge-chassis

Open. Together.

Call to Action

- Join the dialoque in the open edge subproject calls!

- Nokia plans to contribute the 2U chassis design as "OCP Accepted" by end of 2019

Where to buy: https://www.opencompute.org/products/324/nokia-openedge-chassis

Project Wiki with latest specification : https://www.opencompute.org/wiki/Telcos/openEDGE

Mailing list: https://ocp-all.groups.io/g/OCP-Open-Edge