



OCPT Meetup

時間	議程	講者/主持人
13:30-14:00	報到	
14:00-14:10	Opening	Emily Hong / Chair of OCPT
14:10-14:20	OCP Update: - OCP Regional Summit 2018 Revisit	OCPT
14:20-15:00	Emerging Topic 1: - OpenBMC, open software framework for next-generation system management	Ted Pang / Wiwynn
15:00-15:10	Break	
15:10-15:50	Emerging Topic 2: - OPNFV & NFV Performance Lab	Ray Lee / ITRI
15:50-16:30	Discussion	OCPT

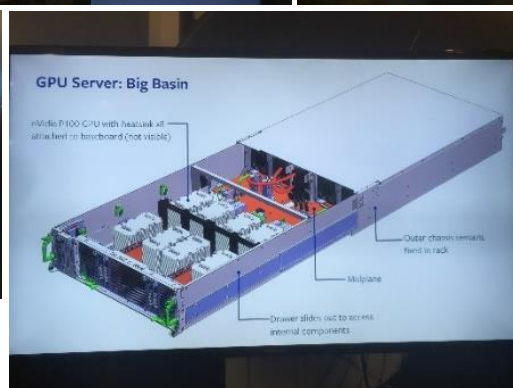
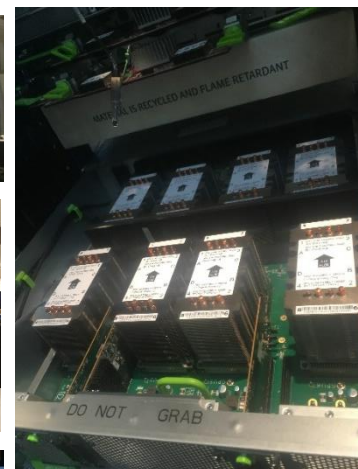
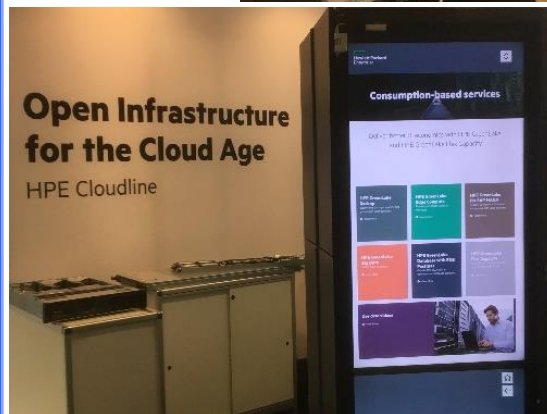




OCP REGIONAL SUMMIT 2018 RECAP



At a Glance



台灣雲端物聯網產業協會
Cloud Computing & IoT Association in Taiwan



SETTING EXPECTATIONS

Over the next two days, you will:

- Learn from organizations that have adopted Open Source and specifically OCP, even though they were skeptical at first
- See the results of a study we initiated with IHSMarkit, a leading analyst firm, on the current strategies firms are using to deal with data center energy efficiency in the European region, including barriers and best practices, and get to see a case study from the London Stock Exchange
- Experience a Virtual Central Office (VCO) demo
- Review an analysis of Data Center Architectures Supporting OCP by Schneider Electric
- See an Edge Data Center Solution
- Review use cases from the likes of ING Bank, KPN, Yahoo Japan and Nerim
- And much, much more!

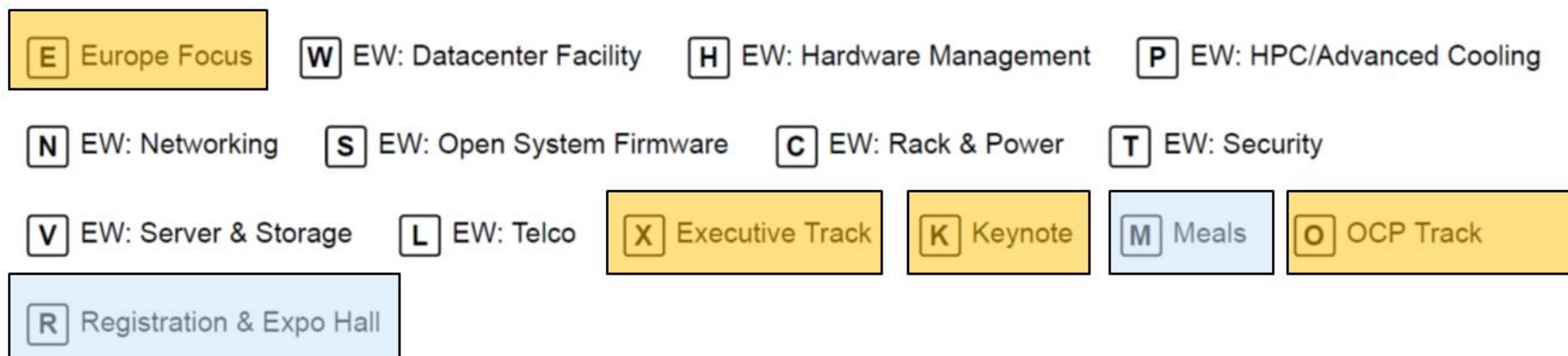
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Setting

- **Keynote** presentations focused on key technology topics.
- **Executive Track** updated recent OCP development from suppliers.
- **Engineering Workshops** featured in-depth discoveries from the project groups.
- **Europe Focus** Track is dedicated to all things European-focused.
- **OCP Track** shared OCP use case.
- **Expo Hall** was packed with the latest OCP hardware and software offerings.



Source: OCP Regional Summit 2018



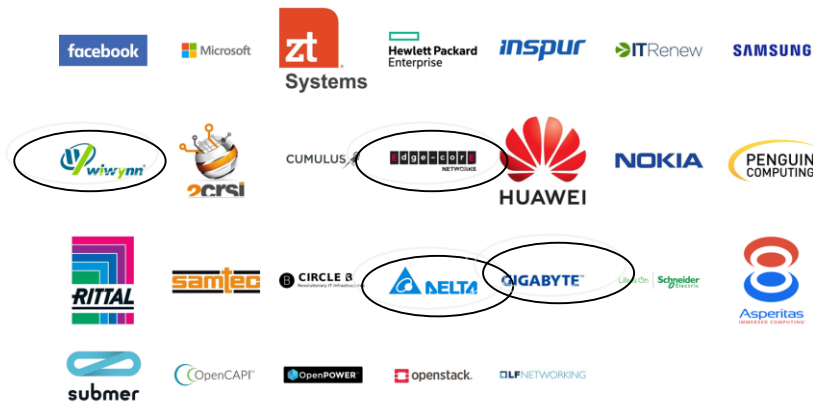
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Keynote & Exhibition

■ Keynote:

- Welcome Address
- Introduction to Moore's Law on Open Source Steroids
- Cloud and AI - presented by Microsoft
- Distributed Compute - Presented by Facebook
- Summit Preview
- OCP/OPNFV Running a Central Office on OCP Gear
- Introduction of 2019 OCP Global Summit
- Closing Remarks

■ Exhibitors:



Source: OCP Regional Summit 2018



CURRENT OPEN COMPUTE PROJECTS

This is the core of what we do ... thank you to the community members for your engagement & innovation!



5 Projects in incubation: Open System Firmware, Security, Advanced Cooling Solutions, Archival Storage and Open Edge

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Virtual Central Office



What is VCO?

Virtual Central Office

Define a cloud native approach for a virtualized central office leveraging NFV and open source technologies

- Cloud Native approach to deploying NFV closest to subscriber
- One of the Edge Blueprints as discussed in the community
- Based on OpenStack and Kubernetes
- Massive Scale => Large Number of sites

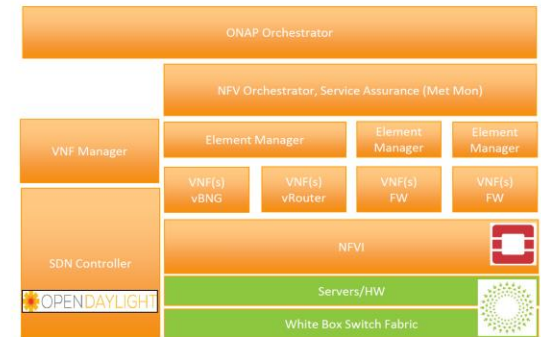


- >10,000 Central Offices in US Alone
- Primary Gateway to Customers for a Telco Operator

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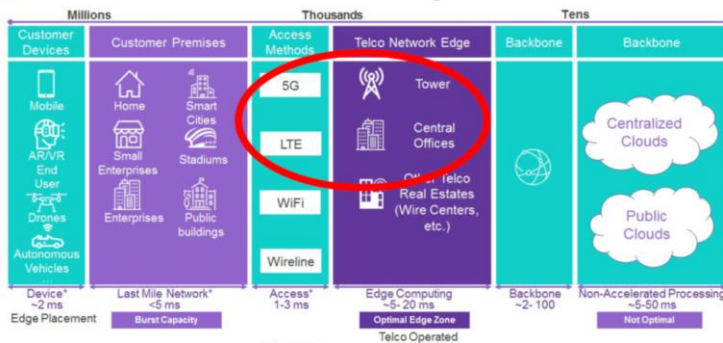
VCO 2.0 Stack



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Mobile Edge



SOURCE: AKRAINO WIKI

* Estimates

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A Cross-Community Open Source Collaboration



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Open Edge

Open edge sub-group under OCP Telco project - proposal

Charter proposal:

- The Open Edge project shall create specifications, standards, support documentation or reference designs which enable global adoption of the Open Edge Computing solution that meets the requirements of Telco Providers.
- Participants in this project are expected to be from across the entire eco-system including Telco Service Providers (adopters), OCP solution providers (suppliers), ODM/OEM manufacturers, and key technology providers.
- To ensure that the wider OCP community is involved and to ensure that relevant expertise is utilized, the project will solicit input and provide technical presentations to the other OCP projects/committees especially the Rack and Power, Server and Networking groups.

Goals:

- The Open Edge project shall focus on standardization and definition of the critical interfaces, operational parameters, and environmental conditions that enables adopters to have access to a non-proprietary multi-vendor supply chain of Open Edge.

Scope:

- The project will gather requirements and specifications for the Open Edge computing platforms from the adopters. This will include dimensions, power budgets, cooling requirements, and networking requirements. Adopters who are actively deploying or planning to deploy the Open Edge requirements will be more valued than other input.
- OCP accepted designs (full design packages) will be provided to ensure critical dimensions are adequately specified.

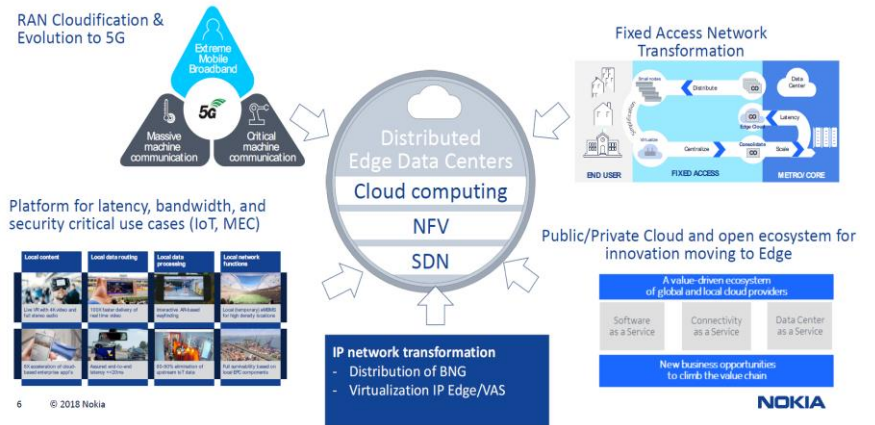
Out of scope:

- Generic 19in rack "small foot print" servers.
- Cooling solutions are not included in the server sleds.

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NOKIA

The business opportunity from transforming towards the Edge Cloud



NOKIA

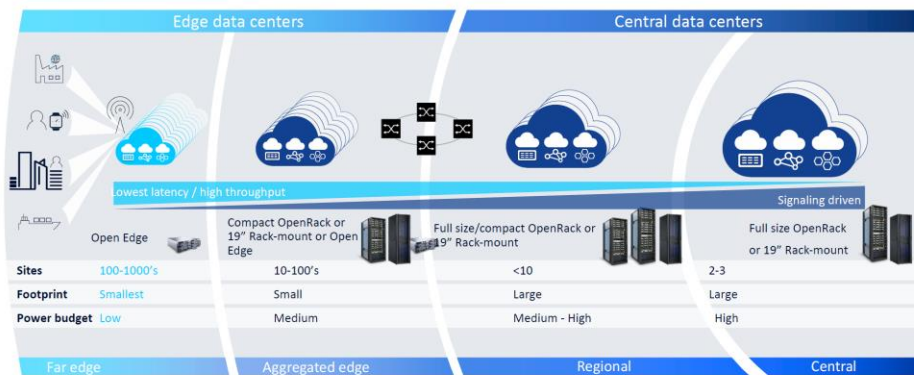
Challenges in bringing the data center to the edge Managing the trade offs



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NOKIA

Managing the lowest latency/cost trade off with a layered architecture Datacenter portfolio for all deployments from Far Edge to HyperScale



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FACTS



OCP MEMBERSHIP FACTS

- ~200 Corporate Members
 - Adopters
 - Suppliers (HW and SW)
 - Solution Providers
- 6000 participants in our community
 - Technical (HW and SW)
 - Sales/Business Development
 - Executives
 - Manufacturing/Process
 - Facilities
 - Academia
- Member Companies from all over the world

OCP Membership Directory: <https://www.opencompute.org/membership/membership-organizational-directory>



GROWTH OF OCP

(FOR NON-BOARD MEMBER COMPANIES)

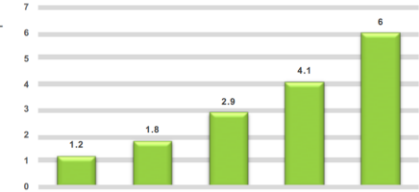
Double Digit Growth thru 2021

Americas' CAGR = 47%

APAC CAGR = 103%

EMEA CAGR = 70%

Total OCP Revenue (\$ Billions)



OCP Market Impact Assessment



<https://www.youtube.com/watch?v=pcdpKAo-HUY&feature=youtu.be>

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THE LAST FEW MONTHS HAVE SHOWN AN INCREASE IN GPU AND OPTICS TRAFFIC TO THE MARKETPLACE



GPU



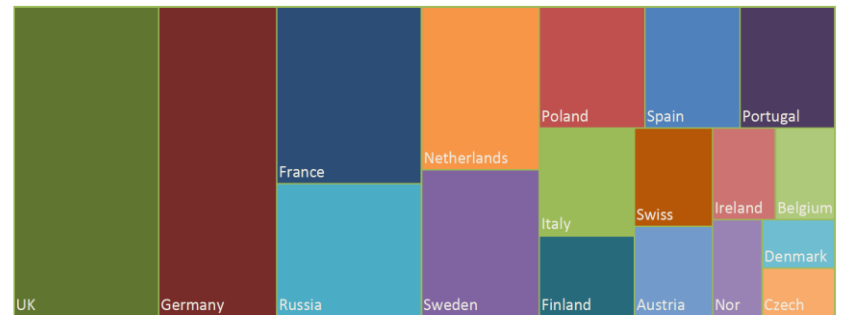
Optics



Telco



OCP MARKETPLACE RECEIVED >4K VIEWS/MONTH FROM EUROPE



Total > 40K views from Europe YTD

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Takeaways

- 2019 OCP Global Summit
- 2019 OCP Asia Roadshow
- VCO 2.0 – A Cross Community Open Source Collaboration
- Open Edge under Telco Project

- OCPT Next (To Be Discussed):
 - OCP Taiwan Event @ Computex 2019
 - Cloud Computing Day 2019
 - Cross Community Open Source Collaboration
 - Make a case in edge computing
 - You suggestion



Call 4 Input

- OCP Taiwan Event@Computex 2019
- When: May/Jue (Computex 5/28~6/1)
- Where: Taiwan
- Type: 技術交流
- Theme: AI/5G/Edge Computing/Central Office 2.0
- Size:
 - < 200 attendants; By invitation first, then OPEN
- Scene:
 - Keynote + Panel
- OCP Foundation:
 - OCP foundation can help on marketing campaign





Thank You



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