

Open Source Cloud Strategies
and Solutions

Event by Sardina Systems

Solving Data Center Industry Challenges With OCP

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OCP FTS Chair, EMEA Liaison



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SARDINA

Global collaborative community



OCP Foundation Board Members

Google ∞ Meta Microsoft intel.

Andy Bechtolsheim



Global ecosystem in numbers

6,000 + Active participants

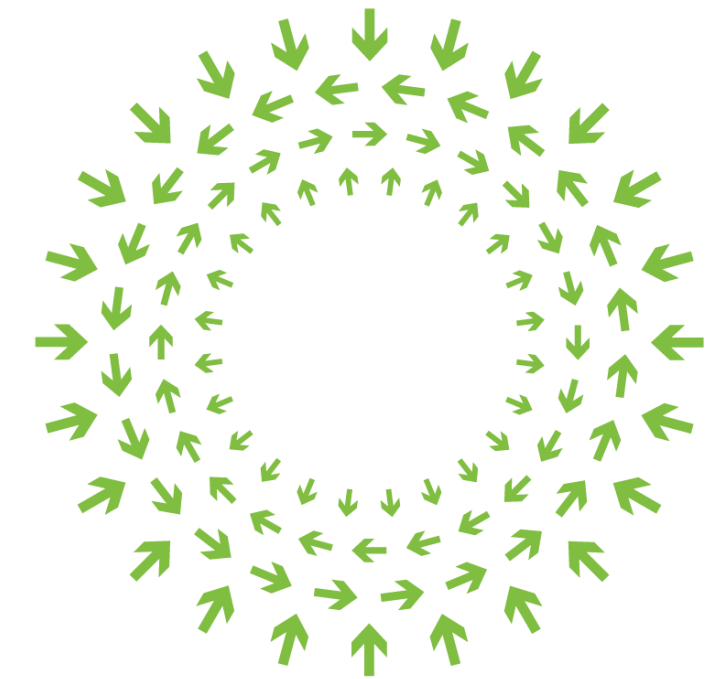
4,400 + In-person event attendees (2023 Global Summit)

300 + Corporate Members

300 + OCP Contributions (specs, design WP etc.)

19 Global OCP Experience Centers, 11 in Europe

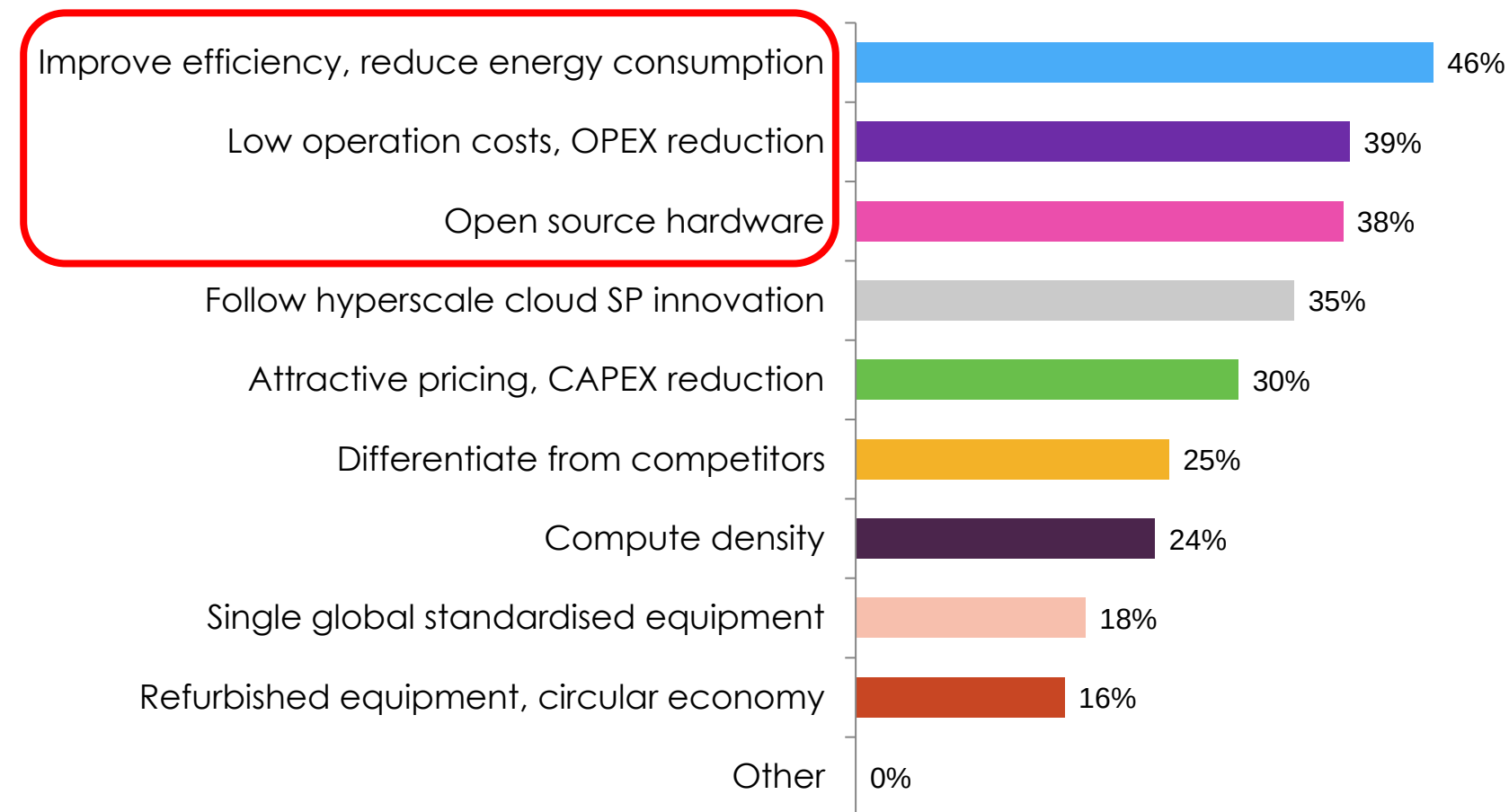
12 OCP Ready™ Colocation Facilities, 8 in Europe



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Benefits of open



Why deploy OCP hardware ?

- ✓ Improved efficiency, reduced energy consumption
- ✓ Lower costs
- ✓ Open source benefits
- ✓ Hyperscale innovation for all



From incubation to market deployment



OCP Members

Cloud	  Microsoft  Alibaba Group   Tencent 腾讯  Baidu 百度  amazon  Meta  YAHOO! JAPAN
Co-location	 ScaleUp  maincubes SECURE DATACENTERS  bulk  HYDRO66 Chayora 朝亞  Princeton DG  rackspace  KAO DATA
Telecom	 AT&T  Deutsche Telekom  ByteDance
Enterprise	 Dow  Bloomberg  Target  Uber  Shell  Sony Interactive Entertainment  Panasonic  Cargill  ThirdCoast CHEMICALS  Chemours
System Integrators	 vespertec SARDINA  STORDIS The Open Networking Expert  IRON MOUNTAIN  Capgemini engineering  wipro  hyve solutions  CircleB  Smart Cloud Solution
Software	 ARRCUS NETWORK DIFFERENT  netris.ai  Radisys  Pluribus NETWORKS  aviz  kaloôm  ipinfusion  DRIVENETS  American Megatrends
DC Equipment	 submer  EATON  VERTIV  Schneider Electric  legrand  ABB  RITTAL  CoolIT systems  liquidstack
IT Equipment	 MITAC  wiwynn  SUPERMICRO  Hewlett Packard Enterprise  CISCO  Edge-core NETWORKS  DELL  ARISTA  Western Digital  inspur
Component	 SK hynix  AMPERE  arm  SAMSUNG  IBM  intel  AMD  MARVELL  NVIDIA  NXP  Micron  QUALCOMM  BROADCOM

Where to find OCP Solution Providers?

Marketplace

Welcome to the OCP Marketplace, where you will find a comprehensive set of OCP offerings from our certified OCP Solution Providers designed to bring hyperscale innovation to the market. Solutions are based on OCP Accepted™ and OCP Inspired™ products as well as facilities which are OCP Ready™ certified.

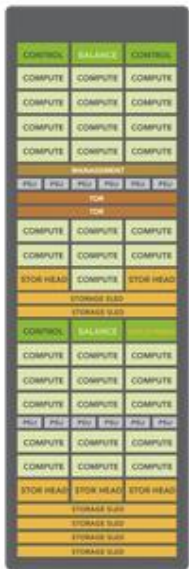


OCP Marketplace : Cases

Enterprise OpenStack Cloud Platform with optional Kubernetes Orchestration

A fully integrated solution on Sardina Systems' Award Winning FishOS OpenStack and Kubernetes is available at rack scale on an OCP Accepted...

Solution Provider: Vesper Technologies
Model #: Enterprise OpenStack Cloud Platform



OCP Integrated Solutions

OCP Colocation Facilities



vesper



OCP Experience Center (Manchester, UK) - Hosted by Vesper

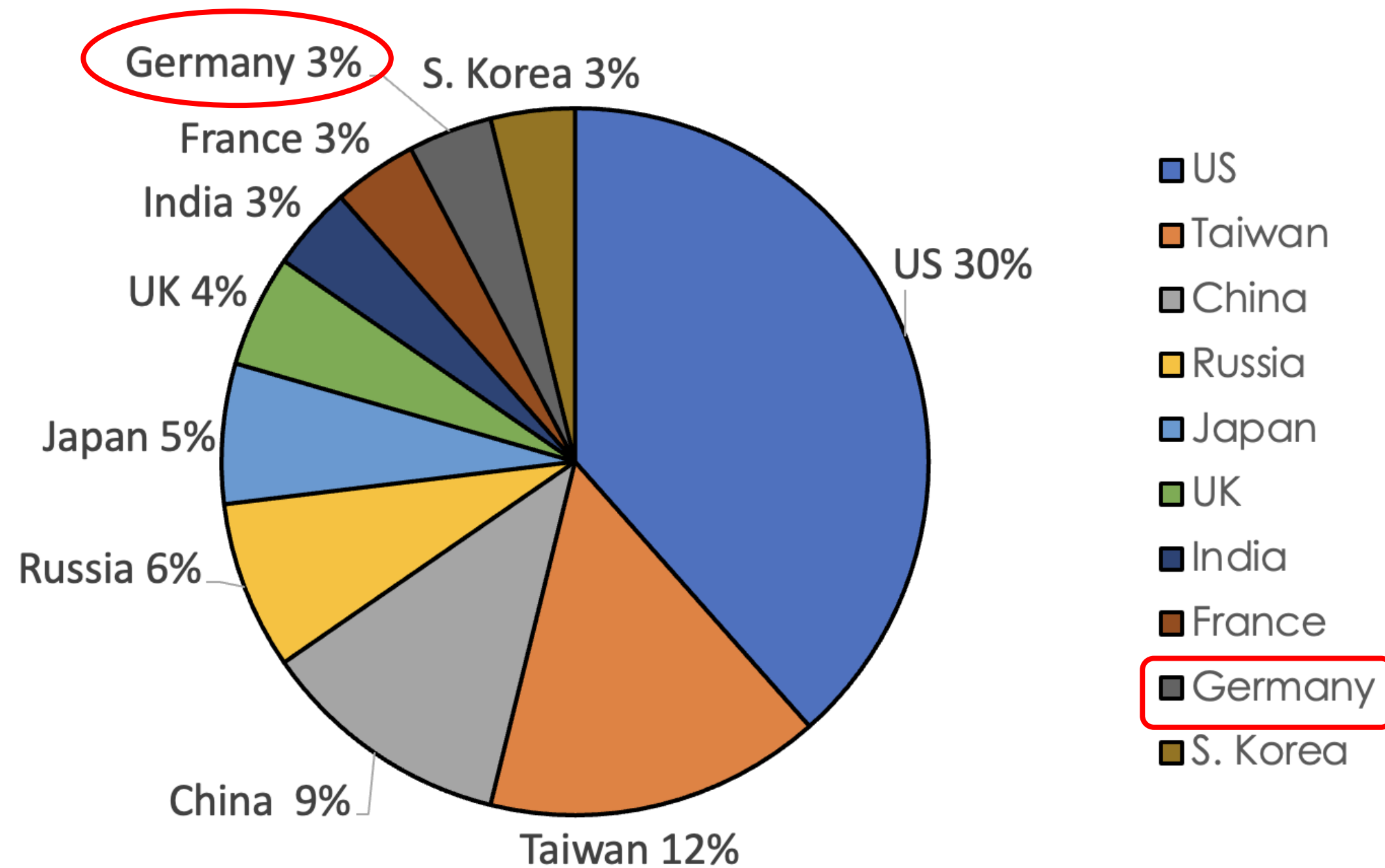
OCP Experience Center (Manchester, UK) - Hosted by Vesper Vesper works with some of the newest technologies – the kind with the potential to cha...

Solution Provider: Vesper Technologies
Model #: OCP Experience Center (Manchester, UK)





Top 10 Countries (visiting OCP Marketplace)



OCP Europe – Regional Community

Focus on EMEA

Regional needs, demands, providers

Purpose to create awareness and

Increase deployment and adoption of OCP

Monthly calls open to all

-> reach out if interested to present



Info & Mailing list



Shaping the future





Future Technologies in OCP

The **OCP Future Technologies Initiative (FTI)** is an OCP initiative that brings together research communities with industry membership to partner in addressing long-term problems and accelerate productization through collaborative R&D.



- AI HW-SW Codesign
- Data Centric Computing
- Cloud Service Model → transitioned to OCP
- Also considering : Optical interconnect and Quantum

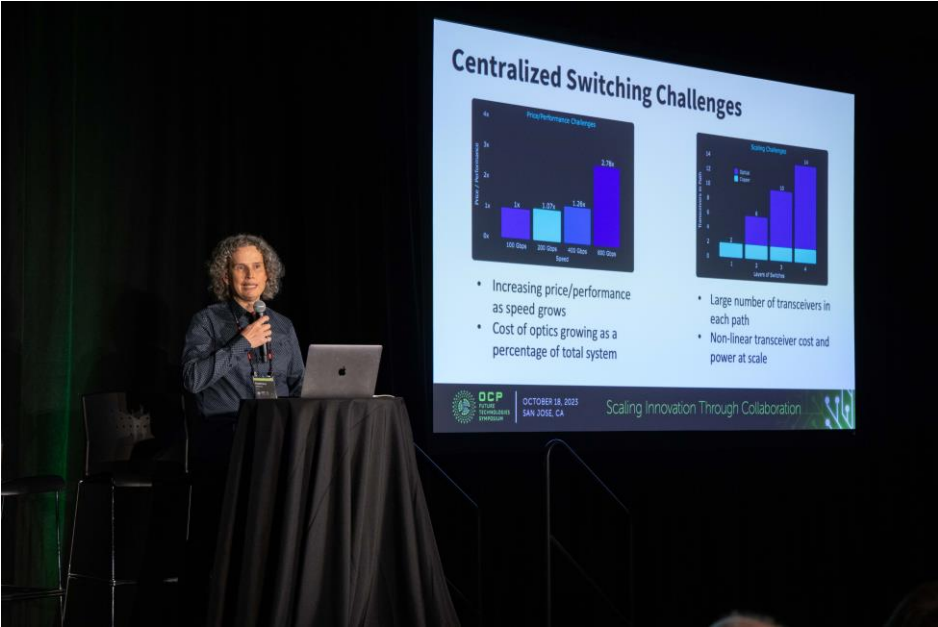
The **OCP Future Technologies Symposium (FTS)** is a dedicated forum to spotlight promising future technologies in our field, point at future opportunities and set up a space for new R&D collaborations. Cadence: Global and Regional Symposium.



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Presentations



Tech Demos



Posters



OCP
FUTURE
TECHNOLOGIES
SYMPOSIUM

Awards Ceremony – Best FTS Paper prize \$10.000 USD



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OCP Startup Membership and Program

Accelsius (since 2023)	Axiado (since 2022)	Blindspot Software (since 2023)	Lightelligence (since 2023)
			
Memverge (since 2023)	Molg (since 2023)	Palo Alto Electron (since 2023)	Qarnot (since 2022)
			
Silith Technology (since 2023)	Wooden Datacenter (since 2023)	Xscape Photonics (since 2023)	YorChip (since 2023)
			

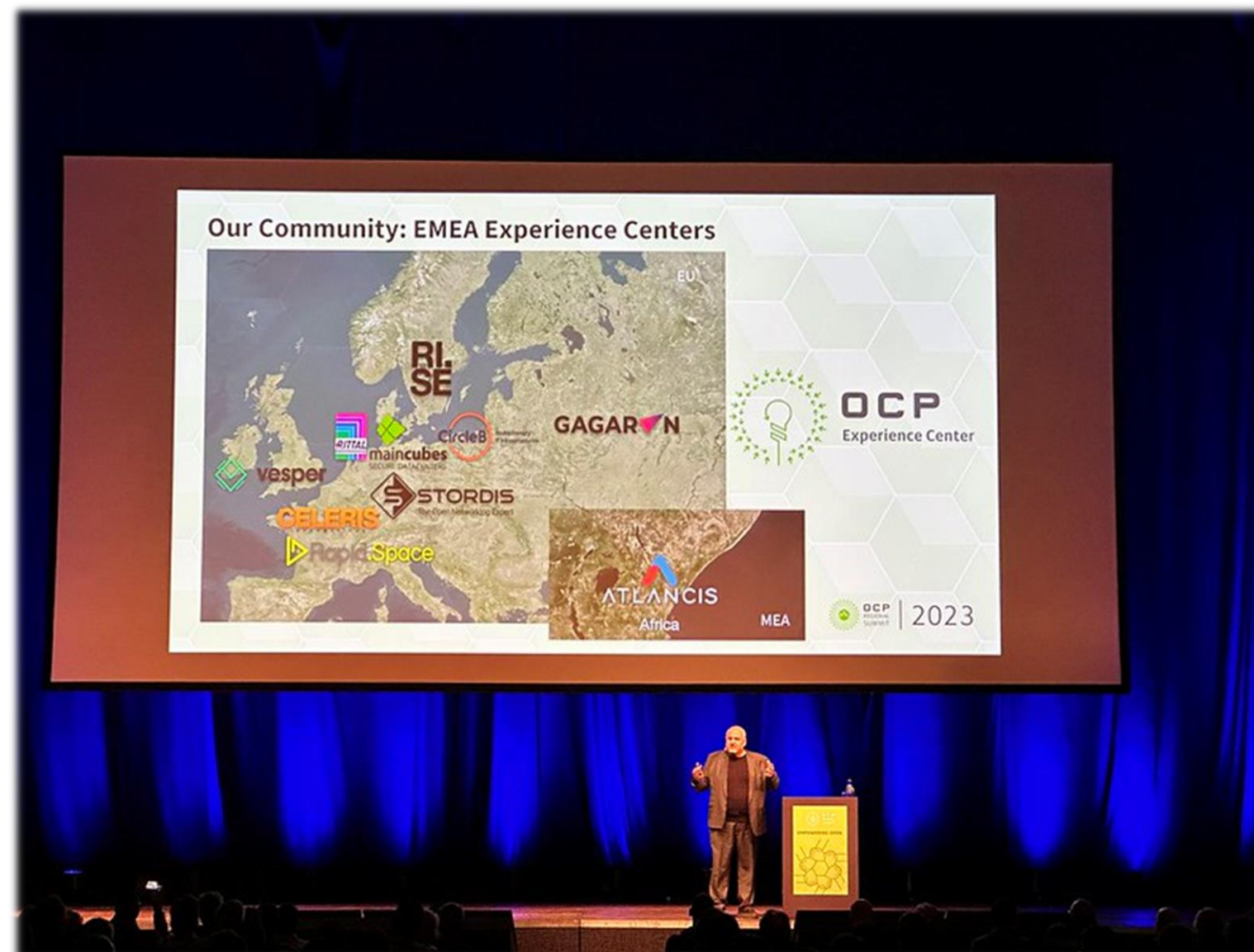


Tech focus: Network, optics, AI, chiplets, cooling, sustainability, facilities



Join us at 2024 OCP Regional Summit

24 – 25, April - Lisbon, Portugal





Join us at 2024 OCP Global Summit

15 - 17, October – San Jose, California



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Thank you!

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