

About the Open Compute Project

Foundation Overview 2026

Community-driven hyperscale innovation for all



Meeting the Market and Shaping the Future

INTERNATIONAL COMMUNITY

Hyperscale Centric



OPEN INNOVATION

- Hyperscale-proven designs
- Trusted IP model
- Specs, best practices
- Rapid technology adoption
- Multi-vendor ecosystems
- Future technologies

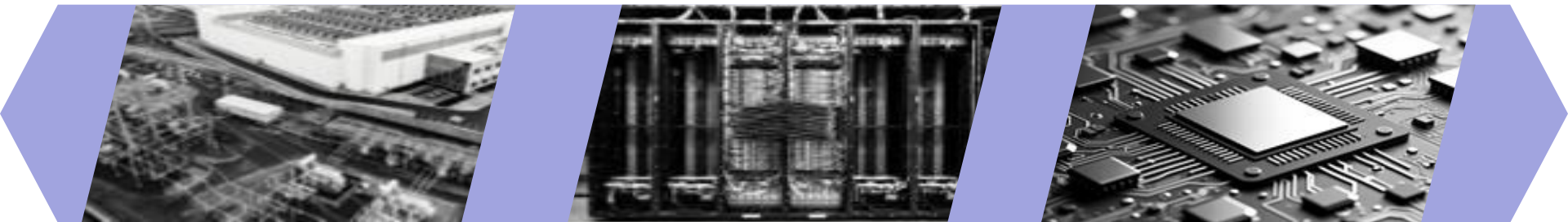
The OCP Open Data Center Ecosystem Vision

Strategic Domains: **AI DCs**, **Cloud DCs**, and the **AI Computing Continuum**



From Hyperscale to Regional

Technology Scope: **Facilities & Physical Infrastructure**, **IT Infrastructure**, and **Systems Management**



From Grid to Chip

Strategic OCP Domains



AI DCs

- GW-scale AI Factories
- Neocloud AI DCs
- Wholesale Colo Provider
- Power Co-Generation

- Large Scale Training
- High Density Clusters
- Fungible DCs



Cloud DCs

- Hyperscale Centralized Cloud
- Other T1/T2 Cloud DCs
- Colocation Provider

- Efficiency of Scale
- Integrate AI
- Automation



AI Computing Continuum

- Regional Cloud Sites
- Colocation Providers
- Enterprise sites
- Industrial sites
- Telco Points of Presence

- Efficient Inference
- AI Sovereignty
- Smaller Scale Architectures

OCP's 15+ Year Journey



2011

- 5 founding members
- 200+ people at first summit
- Facebook open-sources initial hardware specs



2014

- 150+ members
- 2500+ at all Summits
- Adds: DC full stack, network, storage, rack, silicon/GPUs
- Facebook claims saving \$2B over 3y thanks to OCP open source



2018

- 200+ members
- 3800+ at all Summits
- Adds to physical facilities, cooling environments, security FTS, OCP Ready
- ~ \$11B OCP-recognized equipment revenue



2022

- 300+ members
- 3500+ at OCP Summit
- Adds: Open Chiplet Economy, photonics, OCP Experience Centers, FTI
- ~\$27B OCP-recognized equipment revenue



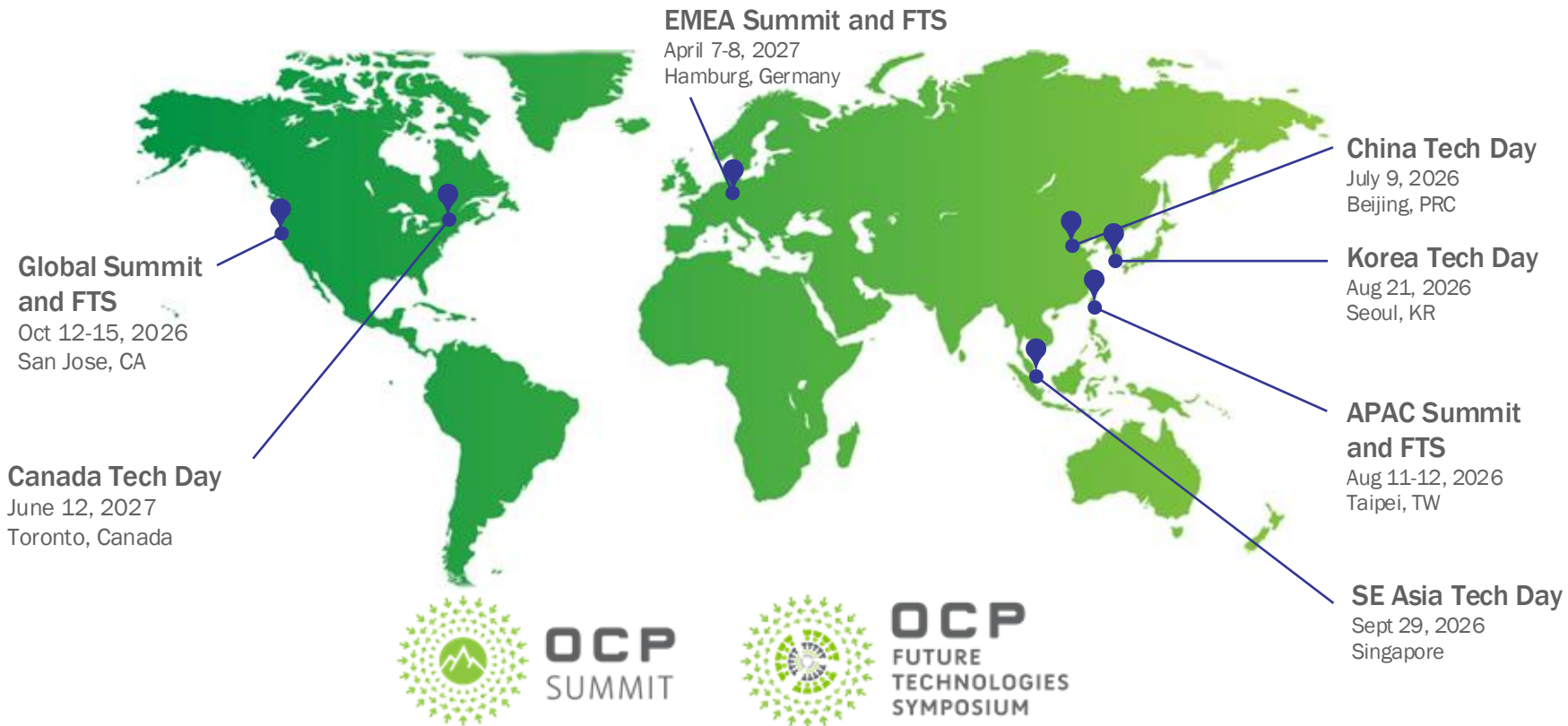
2025

- 500+ members
- 17,500+ est. at all Summits
- ~ \$132B OCP-recognized equipment revenue
- Open Systems for AI strategic initiative growing OCP as the premiere AI infra community

Sample of OCP's Diverse Membership



OCP Major Events



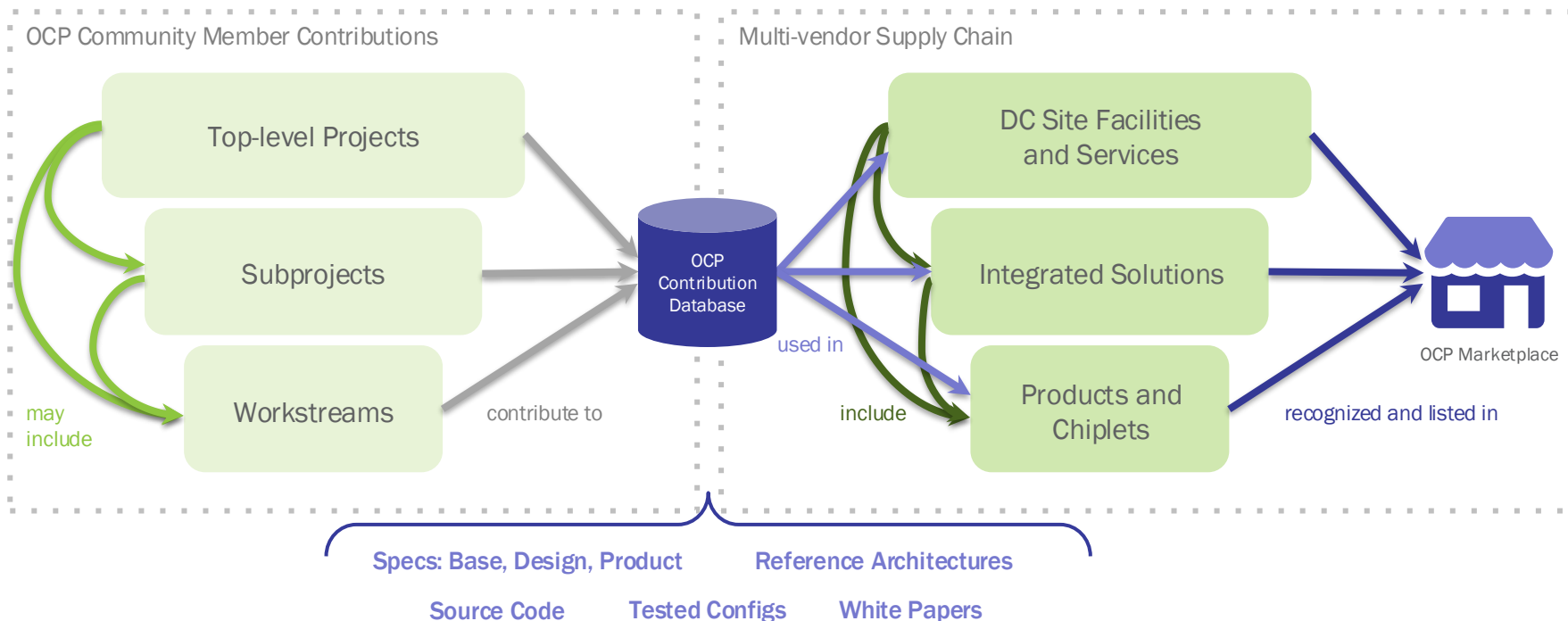


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Project®

Meeting the Market

OCP: An Economy of Contributions

How contributions meet the market



OCP: A Collaborative Community Effort

INCUBATOR



OCP
FUTURE
TECHNOLOGIES
SYMPOSIUM



OCP
FUTURE
TECHNOLOGIES
INITIATIVE



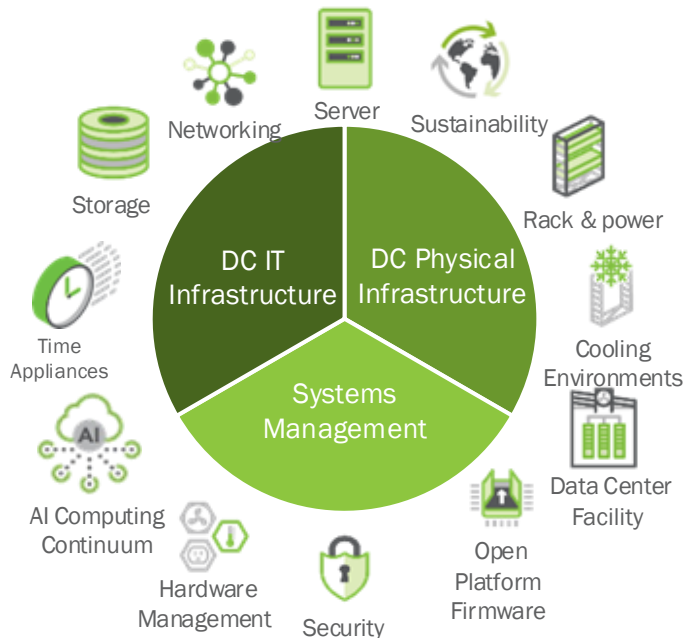
OCP
STARTUP™
Member

COMMUNITY PROJECTS

Open Systems for AI “umbrella” Strategic Initiative

Open DC for AI

Open Cluster Designs for AI



NEW INITIATIVES

TECHNOLOGY



Power Distribution



AI Networking

MARKETS



Quantum



Neocloud



Photonics



Chiplets

EMERGING MARKETS

OCP MARKETPLACE

Marketplace

The OCP Marketplace is a dynamic ecosystem where vendors from across the OCP community converge to offer a diverse variety of hardware products, solutions, services and commercial real estate to the community. The marketplace vision of the OCP Marketplace members extends to a wide range of entities, allowing potential partners to gain first-hand information to make their specific needs and preferences.

EXPLORE OUR MARKETPLACE SEGMENTS



RECOGNITION PROGRAMS

Security | Facilities



OCP
S.A.F.E.™



OCP
READY™

Product



OCP
ACCEPTED

OCP: A Collaborative Community Effort

INCUBATION & FUTURE TECH INITIATIVES



OCP
FUTURE
TECHNOLOGIES
SYMPOSIUM



OCP
FUTURE
TECHNOLOGIES
INITIATIVE



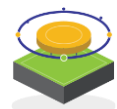
OCP
STARTUP™
Member



Data-centric
Computing



Scaling AI
Neoclouds



High-temperature
Superconducting
Power
Infrastructure



Quantum
Integration
with DCs



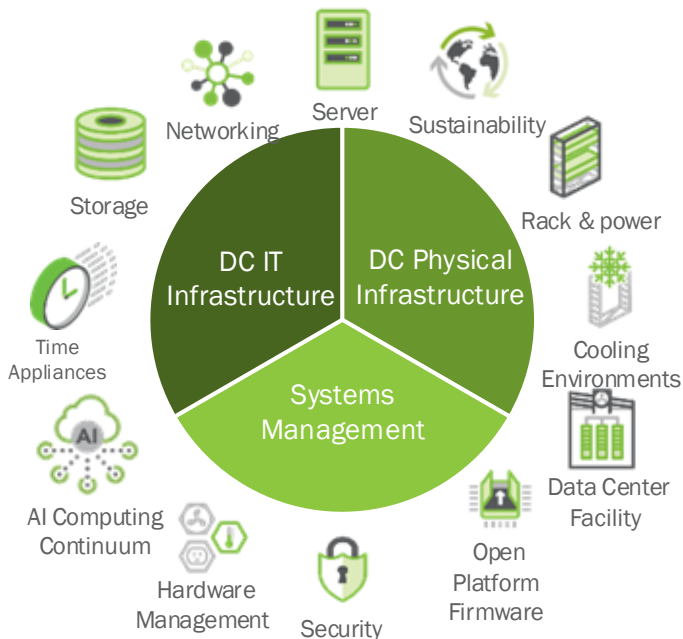
Scale-up Optical
Interconnect

PROJECTS, SUBPROJECTS & WORKSTREAMS

Open Systems for AI “umbrella” Strategic Initiative

Open DC for AI

Open Cluster Designs for AI



IMPACT & RECOGNITION

OCP MARKETPLACE



RECOGNITION PROGRAMS

Security | Facilities



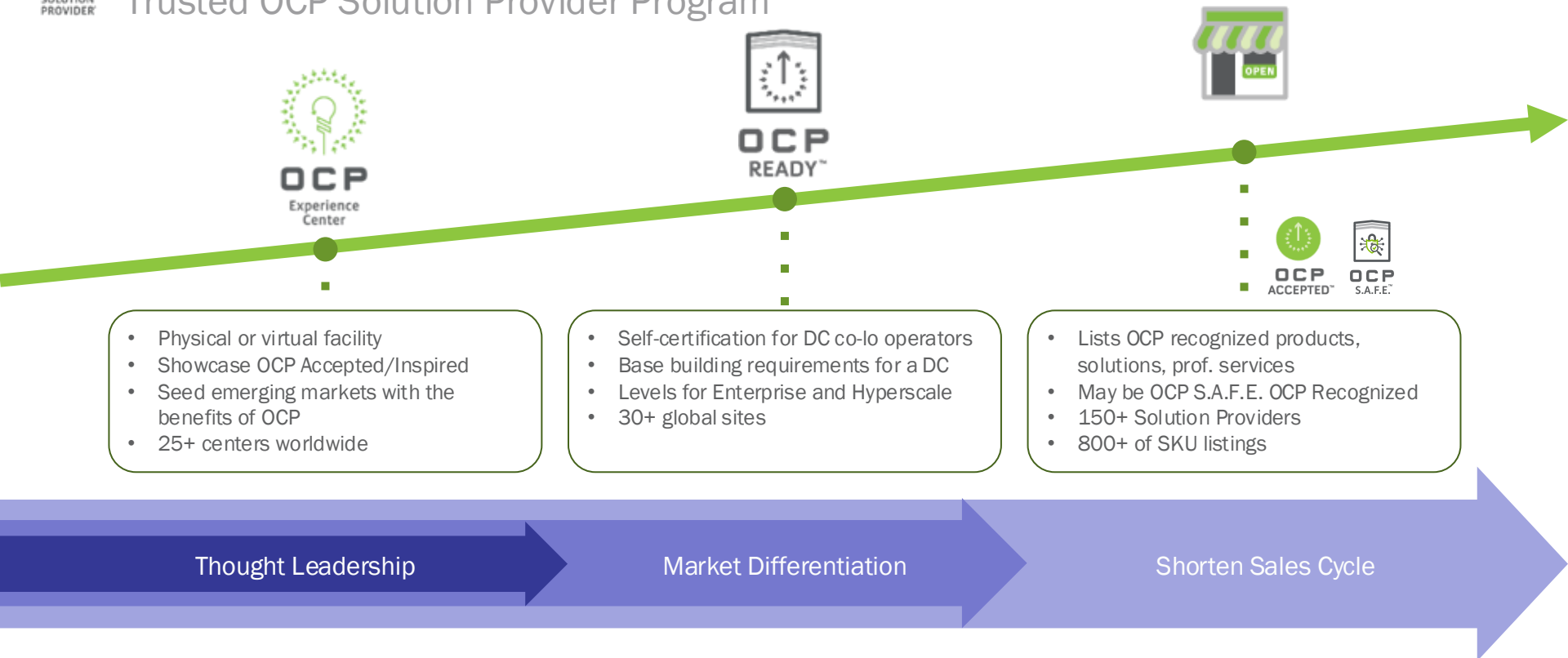
Product





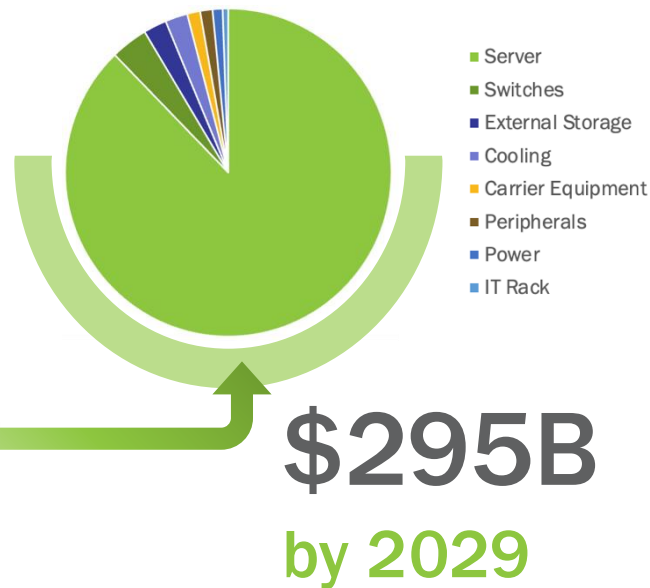
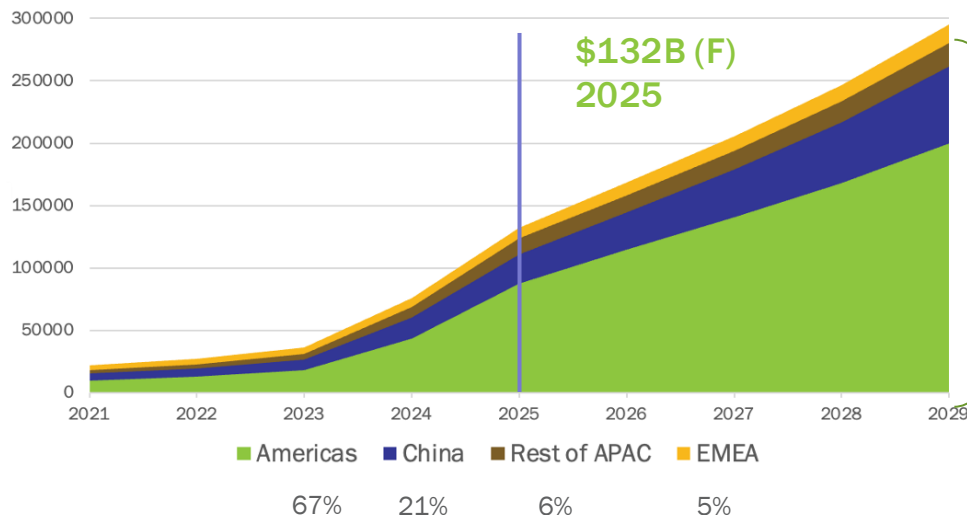
Experience the Impact

Trusted OCP Solution Provider Program



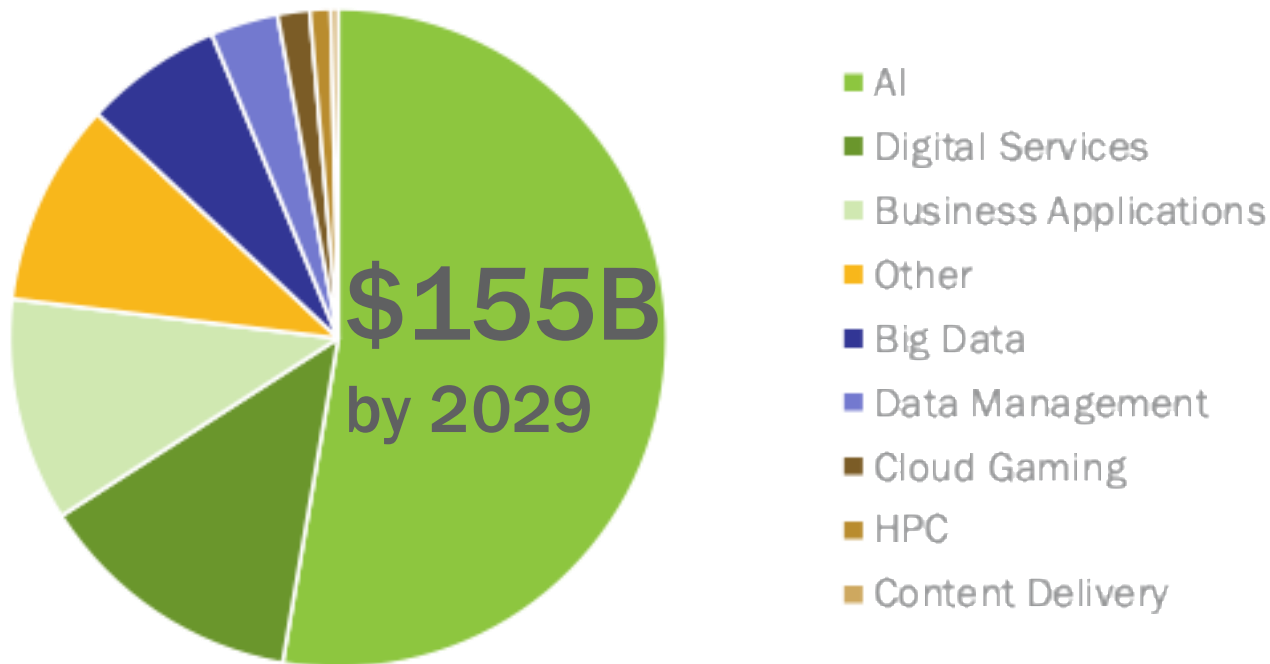
Market Impact by Revenue

OCP Member Revenue by Region (\$M)



* Independent Market Study by IDC

AI: Predominant OCP Data Center Use Case

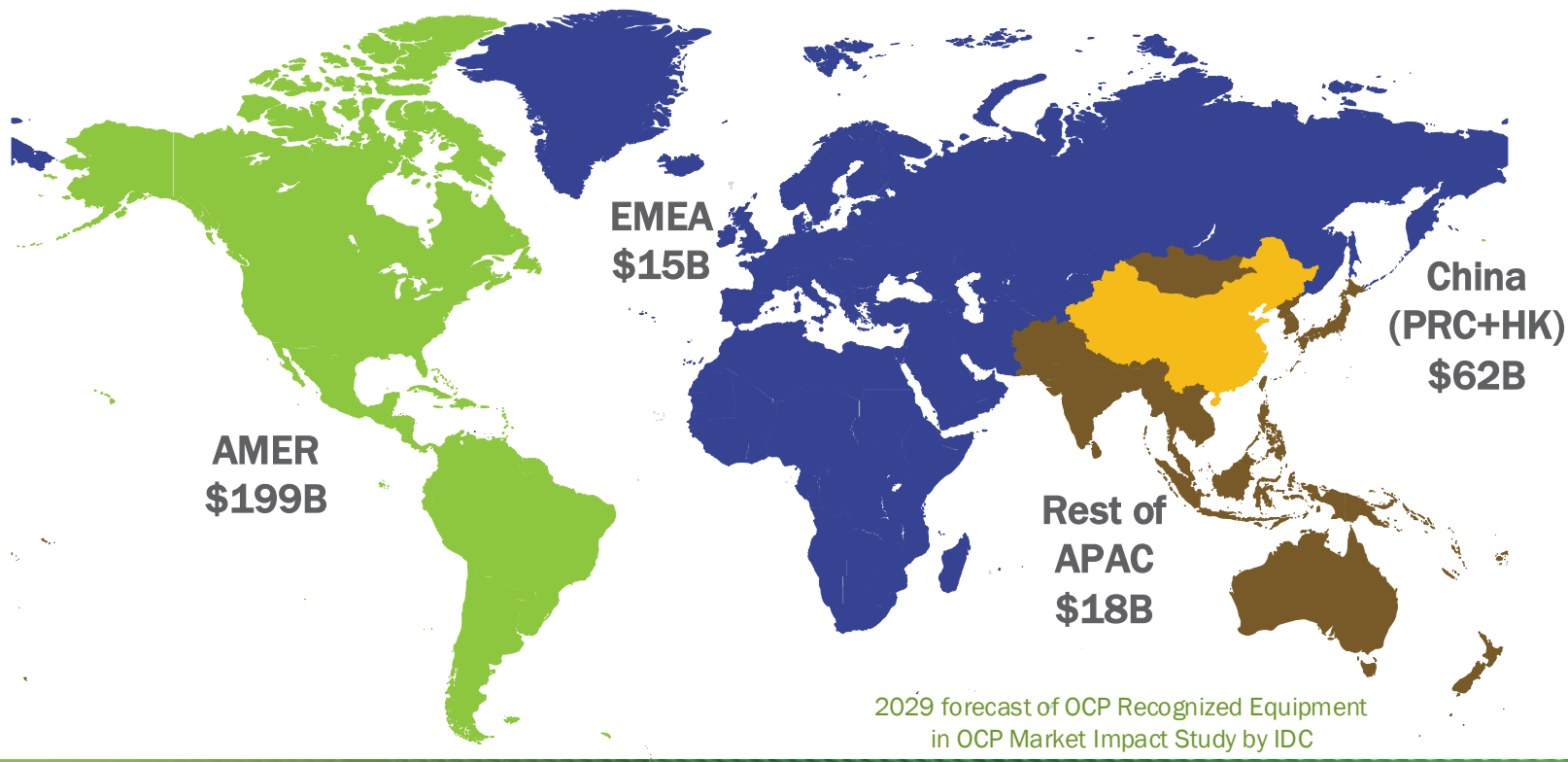


* Independent Market Study by IDC

Community-driven hyperscale innovation for all

OCP Adoption

2029 Revenue Snapshot of \$295B Globally



Tackling the AI Technology Shift

Open Systems for AI “umbrella” Strategic Initiative

- AI gap analysis of OCP Community specs and coverage among the projects/workstreams
- Analysis of priorities
- Community workshops, papers, OCP Academy training
- Curates the AI track at Summits (over 100 sessions annually)



Open DC for AI

- Began with [open letter](#) from hyperscalers and collaborators
- Focus on DC facilities more standardized and fungible to rapidly evolving AI IT infrastructure
 - Power distribution, backup, and grid interconnect
 - Water distribution and cooling
 - Building design and mechanical
 - Digital twins
 - Physical infrastructure (OT) telemetry



Open Cluster Designs for AI

- Open-source AI cluster and pod designs
- Full configuration of row, rack, and networking design interoperable with many AI servers
- Pod families of both air and liquid cooled
- 3 initial papers published in 2026:
 - Open Cluster Design Overview
 - Pod designs
 - Cluster designs



Strategy Map: DC Scopes and Technology Domains

Technology Categories		AI DCs	Cloud DCs	AI Computing Continuum
Facilities & Physical Infrastructure	- Power Distribution - Cooling Distribution - Grid Connect - Rack, Power, Cooling	- Open “Fungible” DC - Evolve to 1MW+ rack - Enable automation - Work with Direct Current & Grid Ecosystems	Evolve facilities and OpenRack for high density and efficiencies from AI shift	- Architectures for smaller scale AI - Enable AI retrofit
IT Infrastructure	- Silicon / Components - Servers - Networking - Storage	- Open cluster/pod designs - Enable chiplet economy - Enable new AI technologies: networking, optics, memory, etc.	Migration path for AI Integration	- Evolve “edge” to “AI” MHS - Smaller scale XPU designs - Networking: “Scale Across” - Monitor AI-Ran for 6G
Systems Management	- Management - Telemetry - Security	- Expand telemetry standards to physical infra (OT) - Enable open digital twin technology	- Maintain Telemetry Standards - Enable physical automation standards	- Distributed environments - Harmonize with cloud and AI data centers

OCP's AI Impact in 2025-2026

CONTRIBUTIONS

Foundation Chiplet
System Architecture

arm

Reference architectures:
Open pod, Open Cluster, Open DC



MGX tray + NVL72 rack,
Clemente tray + Catalina rack,
Open Rack Wide (ORW)



LVDC Power Distribution paper +
Diablo Sidecar Rack
& many others



Deschutes CDU
& many builders



ESUN & SUE-T **BROADCOM**
scale-up networking

COMMUNITY WORK

AI Catalog
inside
OCP Marketplace

OCP Ready™ for AI
“Power Lunch” Series

Hosted 9 workshops across in
2025 with thousands of
participants. More in 2026

100+ AI sessions in 2025
OCP Summits and Tech Days

ALLIANCES & EVENTS

New alliances



Key 3rd-party event participation



DATA CENTRE
WORLD





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Shaping the Future

Future Technologies at OCP

FTS

SYMPOSIUM

- Events co-located with OCP Summits
- Mix of academia, startups and research orgs
- 3-5+ years to mature into projects / products
- 2-page papers, posters and select talks

Examples:

- Quantum hybrid DC and communications
- Next-gen 2-phase cold-plate cooling for AI
- 3D optics for interconnect at scale
- Beyond 400Gbps Lane Rate Transmission

FTI

INITIATIVE

- FTI pre-IP problem definition workstreams
- 2-5 years to mature into projects / products
- Mix of startups, academics, and vendors
- Goal to transition to project workstreams

FTI Workstreams:

- Short-reach Optical Interconnect
- Data-centric Computing
- Scaling AI Clusters at Neoclouds
- DC Integration of Quantum Information Infra.
- HTS Power Infra.

From Incubation to Mature Projects

INCUBATION



- Future Technologies Symposium
- Future Technologies Initiative workstreams
- Emerging Technology Demos
- Startup Membership Tier

PROJECTS



- 200+ workstreams across 12 top-level Projects and 30+ Subprojects
- Contribute specs, reference designs, white papers, blueprints, design packages, config, code, etc.





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Exploring the Community

OCP Foundation Board of Directors



David Ramku
Board Chair



Amber Huffman



Saurabh Dighe



Jeff McVeigh



George Tchapanian
OCP CEO



Robert Hormuth



Mohamed Awad



Robert Ober



Andy Bechtolsheim
Individual

OCP Foundation Advisory Board



Jeff Wittich



Harry Yoon



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Rich Lappenbusch



Ralf Pieper



Ty Schmitt



Robin Balen



Jim Britton



Fabricio Alves Borges



Alee Fong



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Chief Innovation Officer



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Zane Ball
CTO



Steve Helvie
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Emerging Ecosystem Officer



Steve Bates
Chief
Information Officer



James Kelly
VP Market Intelligence
and Innovation



Russ Wunderlich
Principal Hardware Engineer



Kali Burdette
Sr. Director of Global Events



Michael Schill
Sr. Director of Community



Rob Coyle
Sr. Director of
Member Experience



Kevin Kifer
Director of IT
& Digital Services



Kate Hendle
Events Manager



Vy Nguyen
Solution Provider
Program Coordinator



Mark Dansie
Head of Data Center
Facility Programs



Allie Bodnar
Marketing & Events Manager



Zac Parker
IT & Data
Systems Coordinator



Peter Hsu
Director of
Technology Ecosystems



Raúl Álvarez
European Market
Development Manager



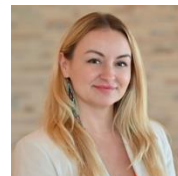
Laura Holst
Membership
Experience Manager



Jonae Powers
Events Coordinator



Alicia Schap
Community Operations
Specialist



Ewa McCurdy
Solution Provider
Program Manager



Eric Fritsch
Finance Controller



Andrew Jones
Member Experience
Specialist

OCP Foundation Steering Committee

2 co-chairs +
12 with one SC member covering each OCP Project



Dharmesh Jani (DJ)
Co-chair
Meta



Jessica Gullbrand
Co-chair
Intel



Steve Mills
Cooling Environments
Meta



Madhusudan Iyengar
Data Center Facility
Google



John Leung
Hardware Management
Intel



Xu Wang
Networking
Meta



Dong Wei
Open Systems Firmware
ARM



Harsha Bojja
Rack & Power
Microsoft



Roksana Golizadeh-Mojarad
Security
Microsoft



Greg Sellman
Server
AMD



Mike Allison
Storage
Samsung



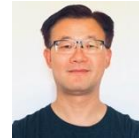
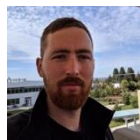
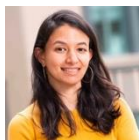
Shruti Sethi
Sustainability
Microsoft



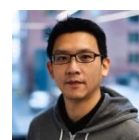
Sean Varley
AI Computing Continuum
Ampere



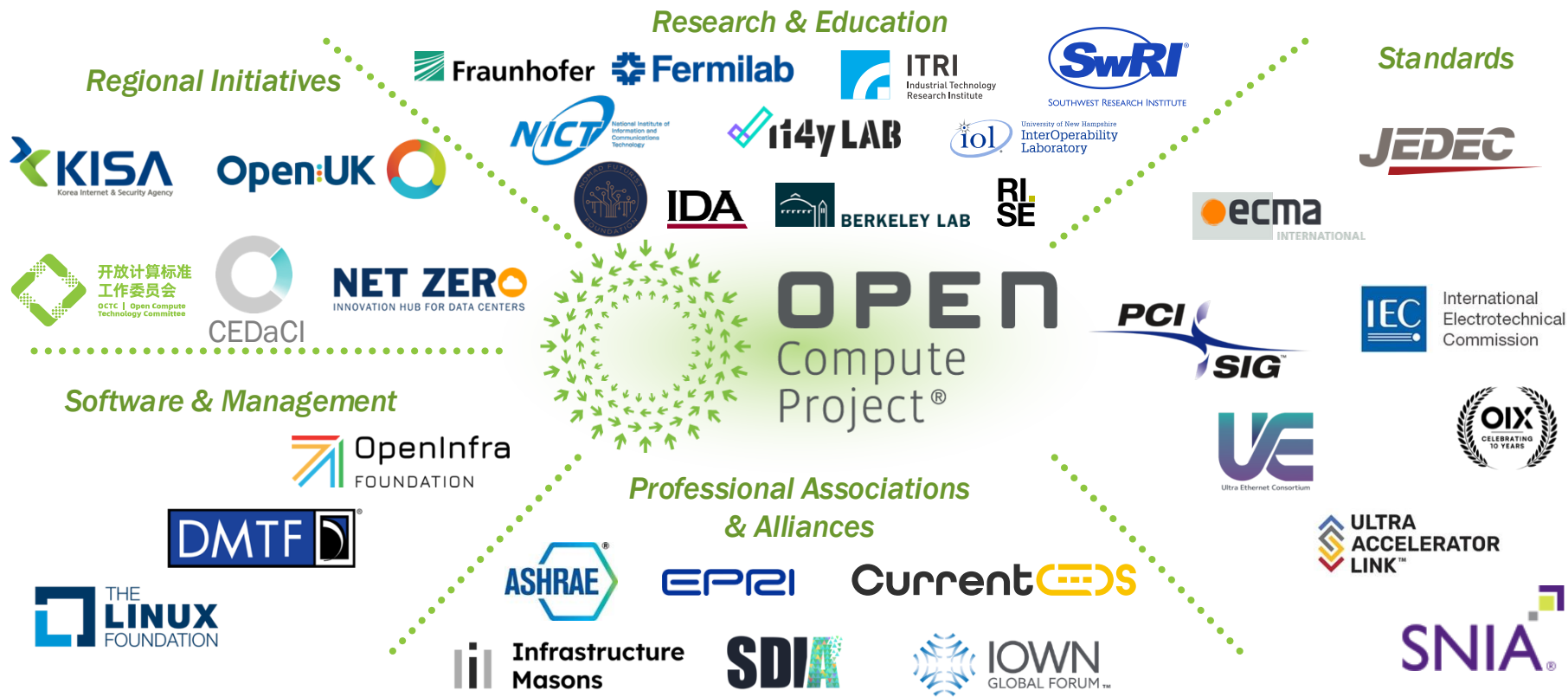
Elad Wind
Time Appliances
NVIDIA



~200 Project Leaders
7,000+ Participants



Amplifying OCP Reach Through Alliances





OCP
ACADEMY

HOME PAGE

academy.opencompute.org



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WELCOME TO
OCP ACADEMY

Education for the OCP Community

OUR FEATURED CONTENT

LIQUID COOLING TECHNOLOGIES

Based on the WOCP community training event, this liquid cooling overview covers direct to chip and immersion techniques.

Go to Course

MY ENROLLMENTS

View All

In progress

OCP READY™

OCP Ready Data Center Recognition Program

EN

E-learning

In progress

LIQUID COOLING

Liquid Cooling Technologies Overview

4 courses

Learning plan

In progress

OCP S.A.F.E.

Introduction to OCP S.A.F.E. Overview and Security Assessments

EN

E-learning

In progress

LEARNING DATA CENTER

Learning Data Center Basics

4 courses

Learning plan

In progress

OPEN RACK AND ORV3

Open Rack and ORV3: Past, Present, and Future

5 courses

Learning plan

Not started

AI

Open Systems for AI: A Blueprint for Scalable Infrastructure (5 of 6) ...

EN

E-learning

EXPLORE OUR CONTENT

DATA CENTER TECHNICAL LEARNING

Learn about technologies addressed by OCP contributions from DC physical infrastructure, to IT infrastructure to hardware management.

Explore Catalog

OCP COMMUNITY ORIENTATION

Learn about topics such as project leadership, making contributions, OCP Solution Provider Program, OCP Ready and more.

Explore Catalog

OPEN SYSTEMS FOR AI

This 6-part course series covers the OCP-contributed whitepaper: A Blueprint for Scalable AI

OCP Academy Courses and Adoption

- 26 course series total and 89 course modules
- 100s of lessons in across all course modules
- Many course translations into 7 languages

Catalog: DC Technical Learning

- 20 technical course series comprised of
- 80 course modules total
- 4 course modules on average per series

Catalog: OCP Community Orientation

1. Introduction to OCP (*4 modules*)
2. OCP's Volunteer Leadership Guide
3. OCP Contribution Process
4. Introduction to the OCP Solution Provider Program
5. OCP Ready Data Center Recognition Program
6. Understanding and Procuring Open Technologies and Products

4,250 learners registered & >20,000 learner hours (as of July 2026)

Fun fact: the top-10 achieving learners spent a combined 2,843 hours learning on OCP Academy!

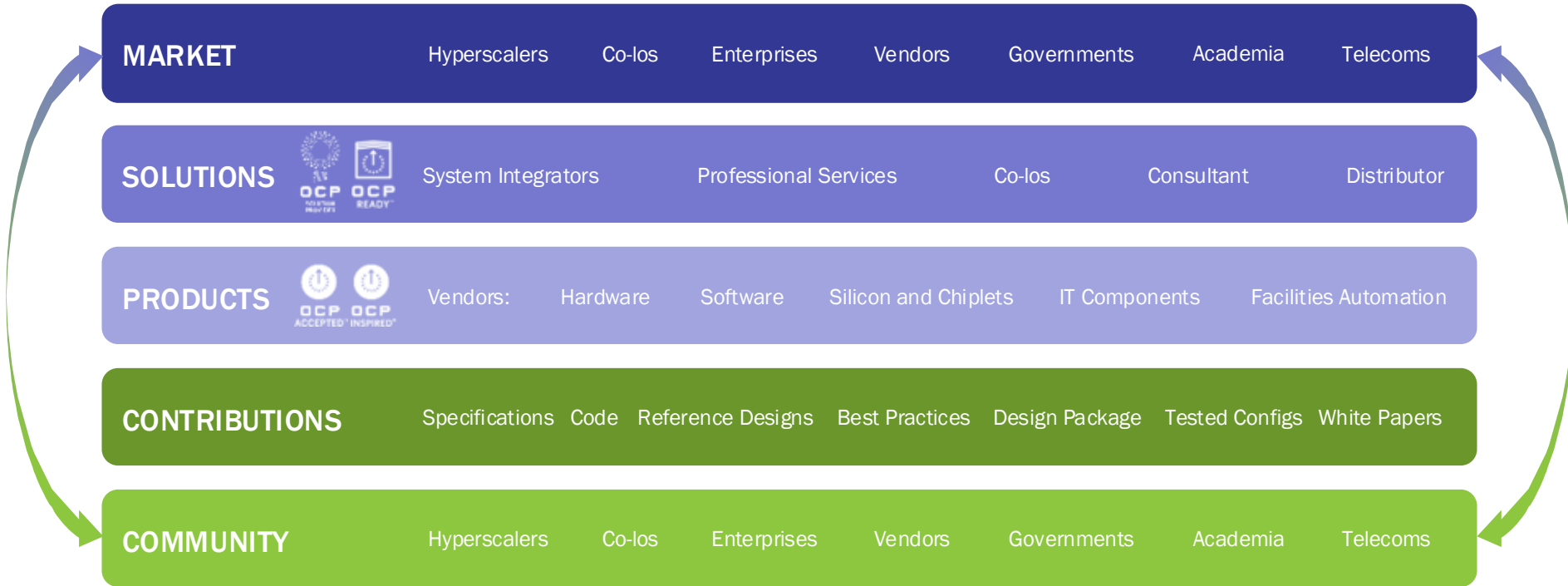


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Joining Us

Community-driven hyperscale innovation for all

How the OCP Community Benefits the Market



Get Involved!

Join

- Project Mailing Lists
- Project Calls
- Open Systems for AI Initiative

Drive

- Project Focus
- Thought Leadership

Run

- Projects and Workstreams
- Technical Steering Committee

Contribute

- Effort
- Specifications
- Products and Facilities

Attend

- OCP Summits
- OCP Panels
- Engineering Workshops
- OCP Webinars
- 3rd Party Events



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THANK YOU

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Community-driven hyperscale innovation for all

