About the Open Compute Project

Foundation Overview 2026

Community-driven hyperscale innovation for all

OPEN Compute Project®

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

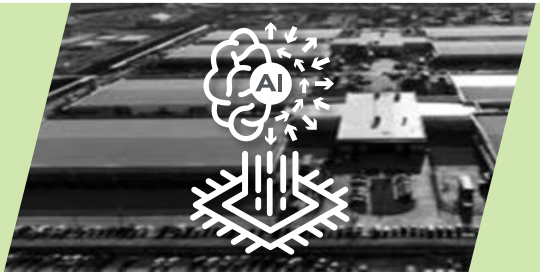
Strategic Domains: **AI DCs, Cloud DCs, and the AI Computing Continuum**

From Hyperscale to Regional

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

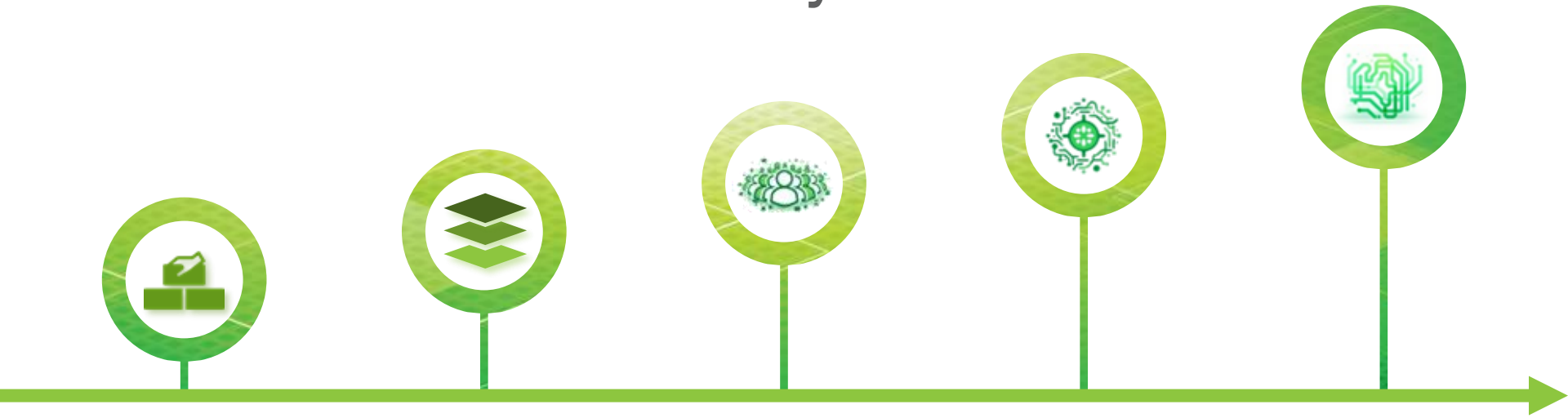
From Grid to Chip

Strategic OCP Domains



AI DCs	Cloud DCs	AI Computing Continuum
• GW-scale AI Factories • Neocloud AI DCs • Wholesale Colo Provider • Power Co-Generation	• Hyperscale Centralized Cloud • Other T1/T2 Cloud DCs • Colocation Provider	• Regional Cloud Sites • Colocation Providers • Enterprise sites • Industrial sites • Telco Points of Presence
• Large Scale Training • High Density Clusters • Fungible DCs	• Efficiency of Scale • Integrate AI • Automation	• 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

EMEA Summit and FTS
April 7-8, 2027
Hamburg, Germany

China Tech Day
July 9, 2026
Beijing, PRC

Korea Tech Day
Aug 21, 2026
Seoul, KR

Global Summit and FTS
Oct 12-15, 2026
San Jose, CA

APAC Summit and FTS
Aug 11-12, 2026
Taipei, TW

Canada Tech Day
June 11, 2026
Montreal, Canada

SE Asia Tech Day
Sept 29, 2026
Singapore

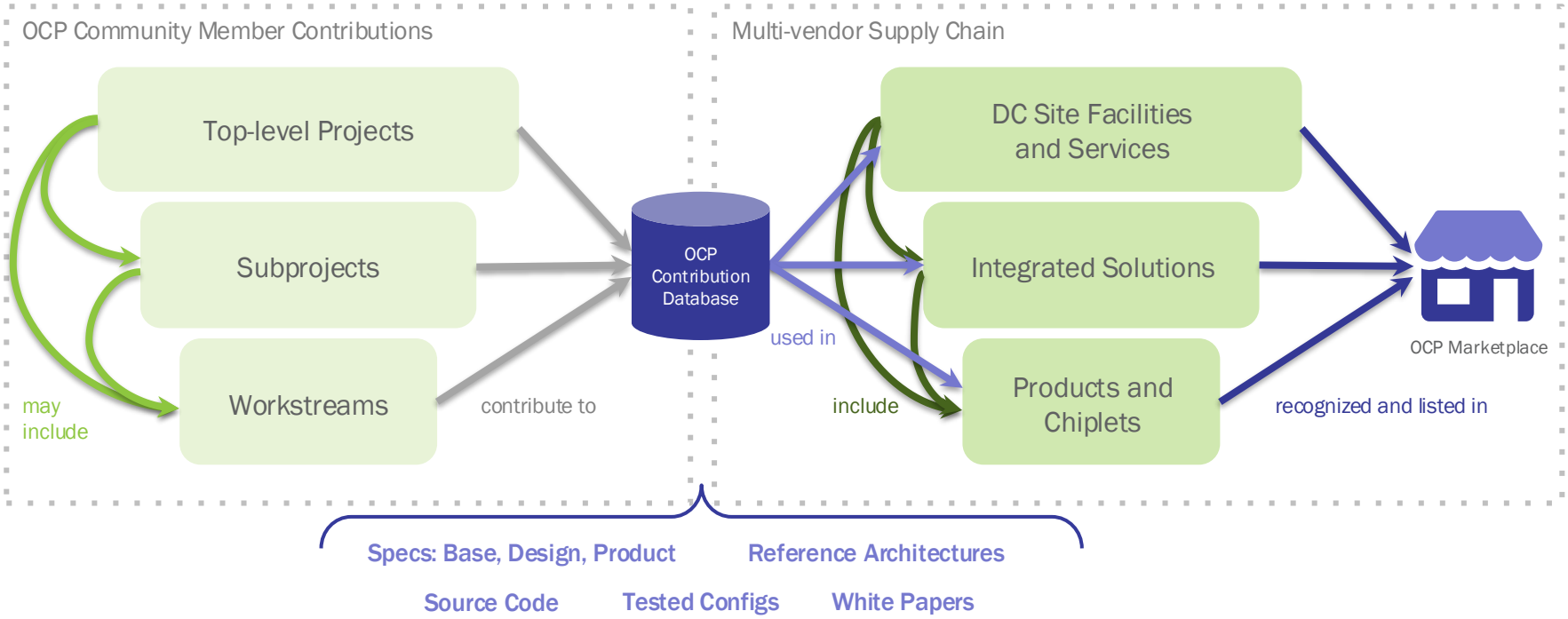
OCP SUMMIT

OCP FUTURE TECHNOLOGIES SYMPOSIUM

Meeting the Market

OCP: An Economy of Contributions

How contributions meet the market



OCP: A Collaborative Community Effort

INCUBATOR

OCP FUTURE TECHNOLOGIES SYMPOSIUM

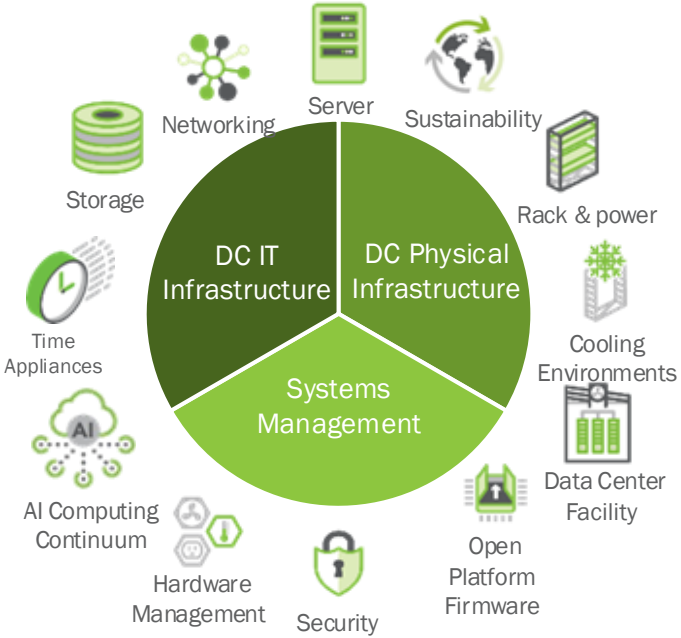
OCP FUTURE TECHNOLOGIES INITIATIVE

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

RECOGNITION PROGRAMS

Security I Facilities

OCP S.A.F.E.

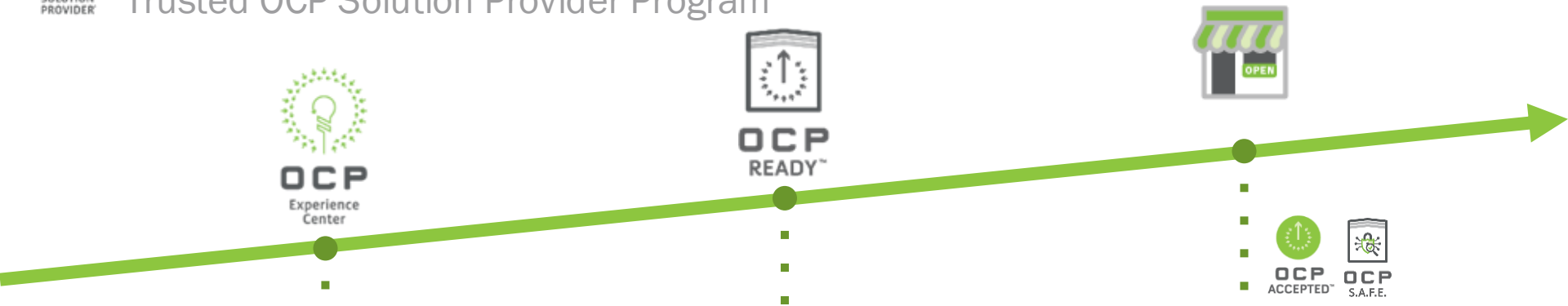
OCP READY™

Product

OCP ACCEPTED

Experience the Impact

Trusted OCP Solution Provider Program



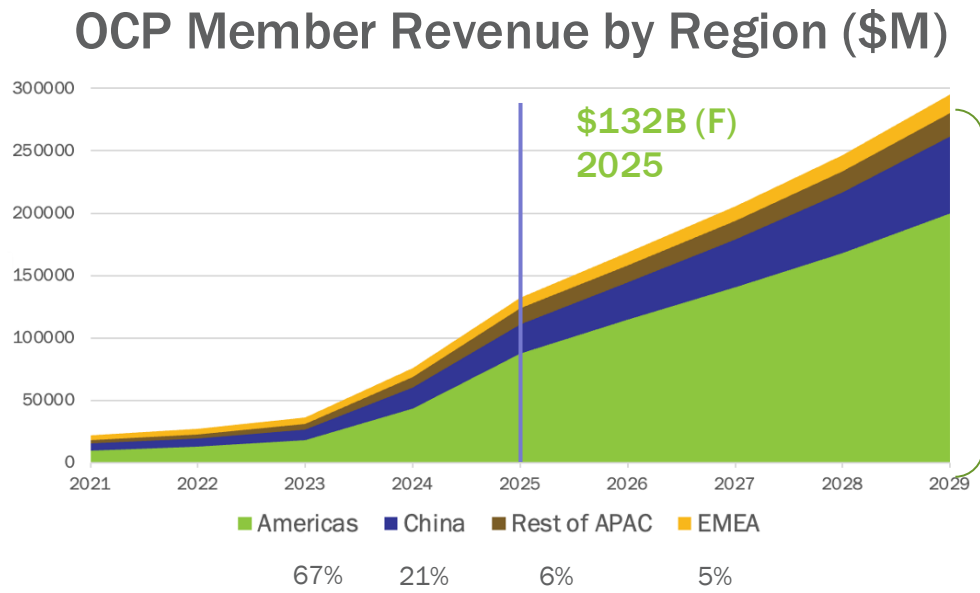
- Physical or virtual facility
- Showcase OCP Accepted/Inspired
- Seed emerging markets with the benefits of OCP
- 25+ centers worldwide

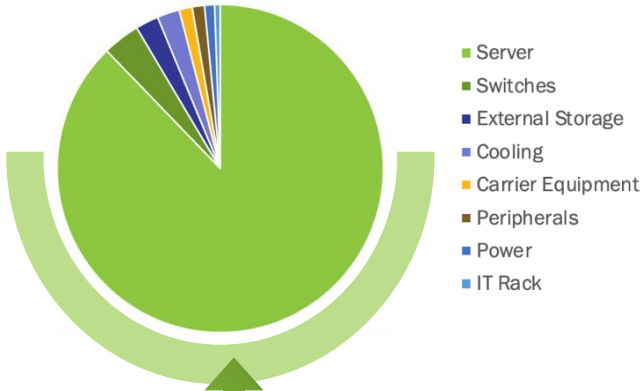
- Self-certification for DC co-lo operators
- Base building requirements for a DC
- Levels for Enterprise and Hyperscale
- 30+ global sites

- Lists OCP recognized products, solutions, prof. services
- May be OCP S.A.F.E. OCP Recognized
- 150+ Solution Providers
- 800+ of SKU listings

Thought Leadership → Market Differentiation → Shorten Sales Cycle

Market Impact by Revenue



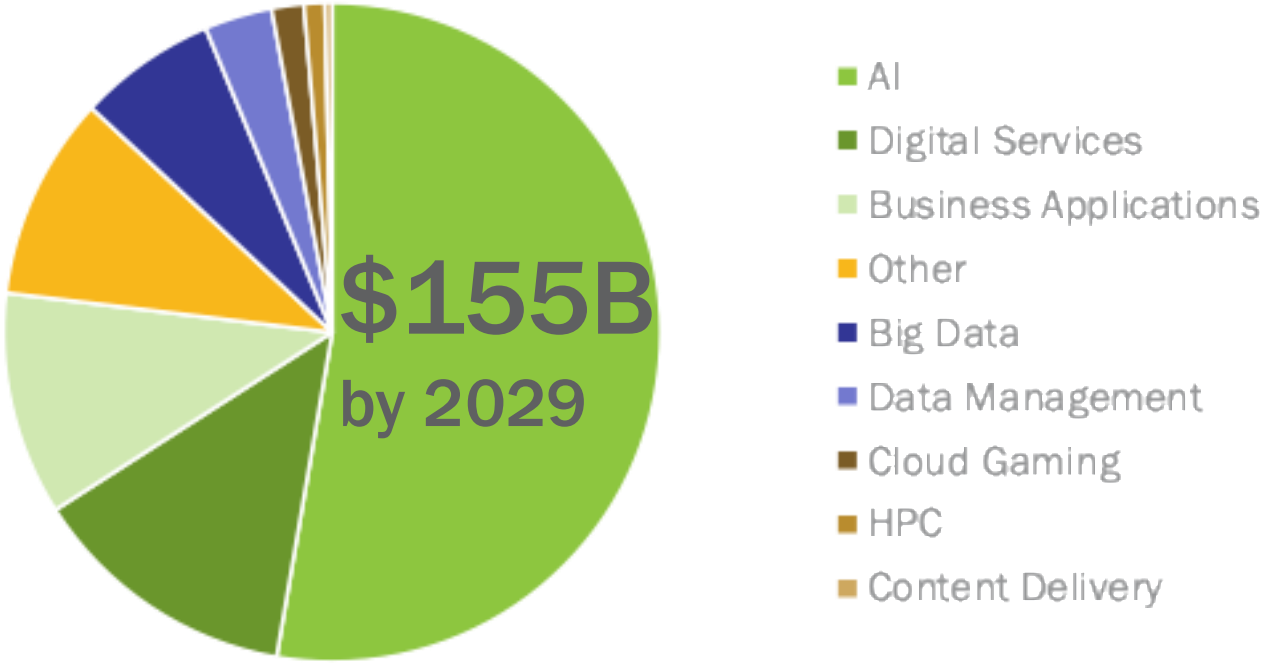


$295B

by 2029

* Independent Market Study by IDC

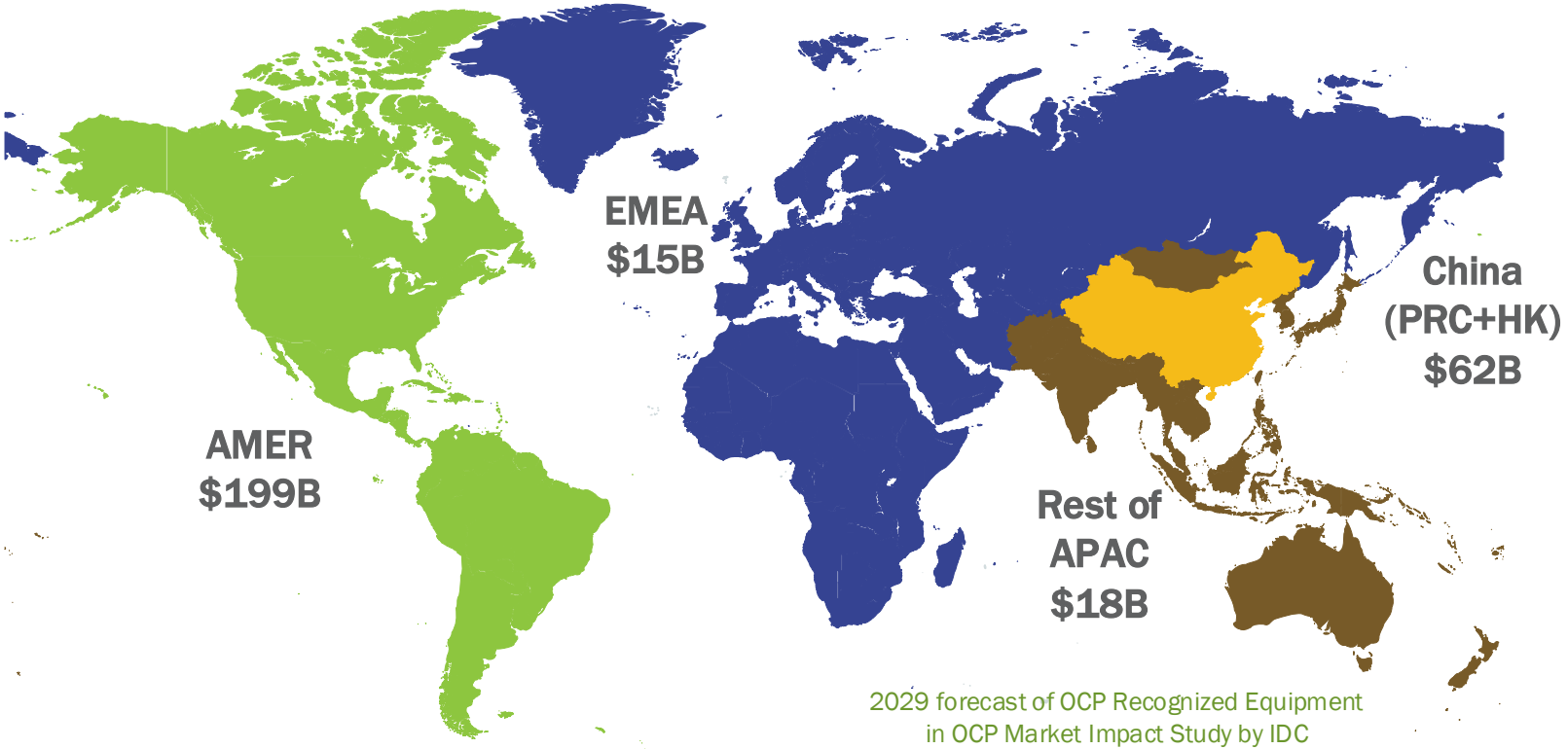
AI: Predominant OCP Data Center Use Case



* Independent Market Study by IDC

OCP Adoption

2029 Revenue Snapshot of $295B Globally



2029 forecast of OCP Recognized Equipment
in OCP Market Impact Study by IDC

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
- NVIDIA, Meta, Meta RITTAL — MGX tray + NVL72 rack, Clemente tray + Catalina rack, Open Rack Wide (ORW)
- Google, Meta, Microsoft — LVDC Power Distribution paper + Diablo Sidecar Rack *& many others*
- Google — Deschutes CDU *& many builders*
- Meta, Microsoft, BROADCOM — ESUN & SUE-T 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

ULTRA ACCELERATOR LINK™ · Ultra Ethernet Consortium · SNIA · ASHRAE · EPRI · CurrentOS

Key 3rd-party event participation

SC26 Chicago, hpc unites. · OFC · AI INFRA SUMMIT · DATA CENTRE WORLD · XCELERATED COMPUTE · PREMDAY

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
- Data Center Integration of Quantum Information Infrastructure

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.

Exploring the Community

OCP Foundation Board of Directors

David Ramku
Board Chair
Meta

Amber Huffman
Google

Saurabh Dighe
Microsoft

Jeff McVeigh
intel

George Tchaparian
OCP CEO

Robert Hormuth
AMD

Mohamed Awad
arm

Robert Ober
NVIDIA

Andy Bechtolsheim
Individual

OCP Foundation Advisory Board

Jeff Wittich

AMPERE

Harry Yoon

SAMSUNG

Mohamad El-Batal

SEAGATE

Rich Lappenbusch

SUPERMICRO

Ralf Pieper

DELTA

Ty Schmitt

DELL

Robin Balen

VANTAGE DATA CENTERS

Jim Britton

ORACLE

Fabricio Alves Borges

Schneider Electric

Alee Fong

Lambda

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Chief Innovation Officer

Nick Bullock
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Zane Ball
CTO

Steve Helvie
Chief
Emerging Ecosystem Officer

James Kelly
VP Market Intelligence &
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

Mark Dansie
Head of Data Center Facility Programs

Peter Hsu
Director of
Technology Ecosystems

Raúl Álvarez
European Market
Development Manager

Laura Holst
Accounting Assistant

Jonae Powers
Events Coordinator

Alicia Schap
Community Operations
Specialist

Ewa Klimek
Solution Provider
Program Manager

Eric Fritsch
Finance Controller

Zac Parker
IT & Data Systems Coordinator

OCP Foundation Steering Committee

Dharmesh Jani (DJ)
Co-chair
Meta

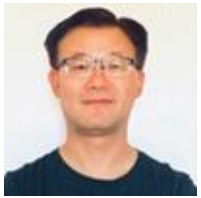
Jessica Gullbrand
Co-chair
Intel

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

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

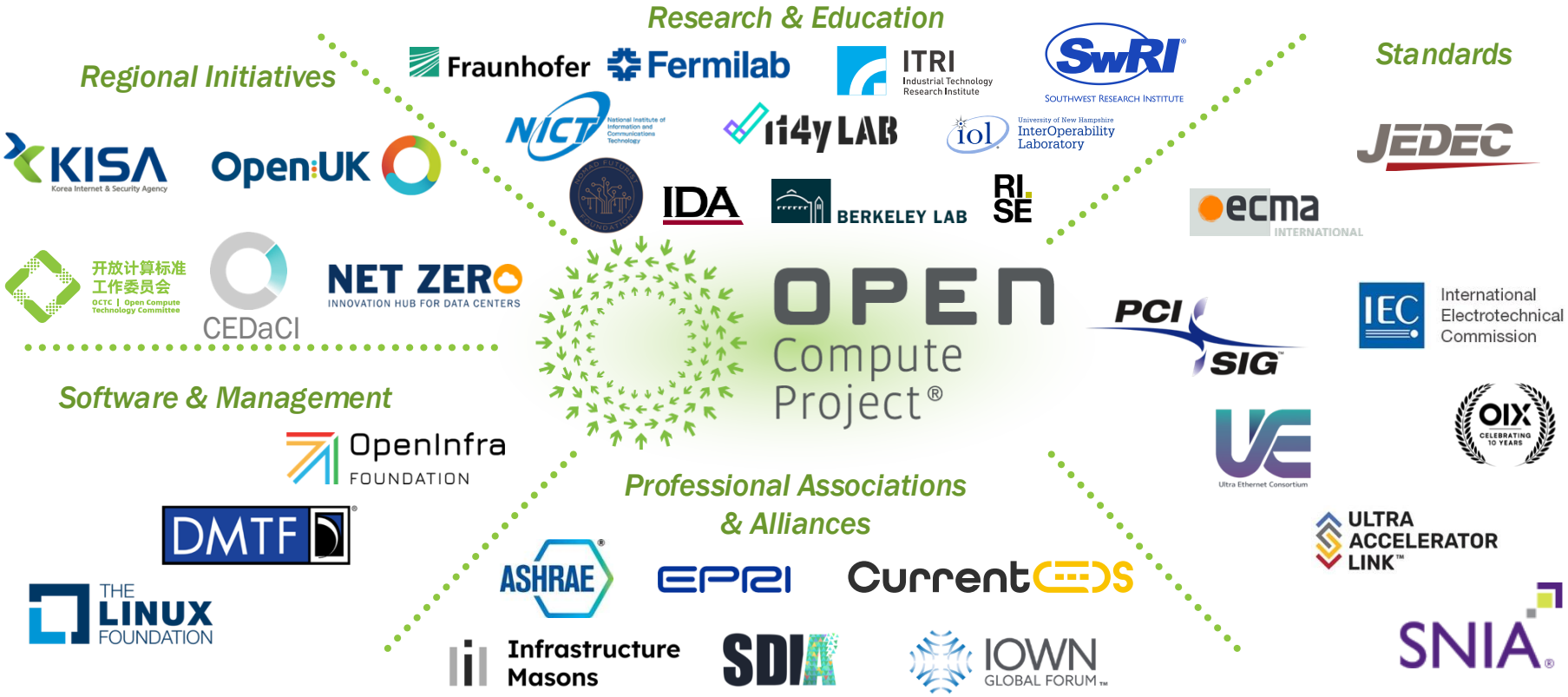
Sean Varley
AI Computing Continuum
Ampere

Elad Wind
Time Appliances
NVIDIA

~200 Project Leaders

7,000+ Participants

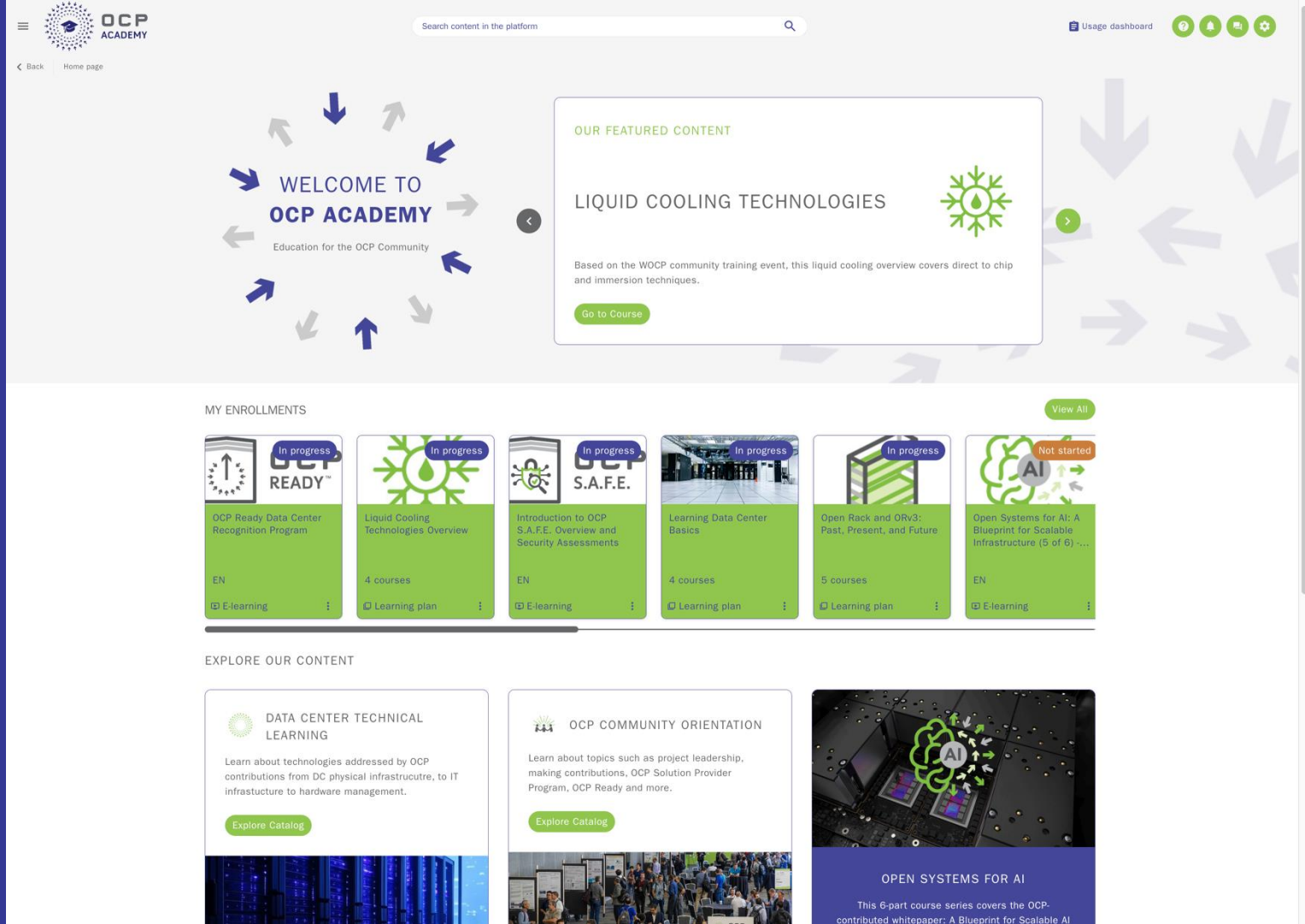
Amplifying OCP Reach Through Alliances



OCP ACADEMY

HOME PAGE

academy.opencompute.org



Courses Available

- 13 trainings: 7 course series and 6 individual modules
- 39 course modules and 100s of lessons across all trainings

Catalog: DC Technical Learning

1. Open Systems for AI: A Blueprint for Scalable Infrastructure *(6 modules)*
2. Open Rack and ORv3: Past, Present, and Future *(5 modules)*
3. Learning Data Center Basics *(4 modules)*
4. Liquid Cooling Technologies *(4 modules)*
5. Open Chiplet Economy: Business and Technology of Chiplet-based Systems *(9 modules)*
6. Introduction to OCP S.A.F.E. Overview and Security Assessments
7. Low-Embodied Carbon "Green" Concrete for Data Center Facilities *(1 of 7 modules so far)*

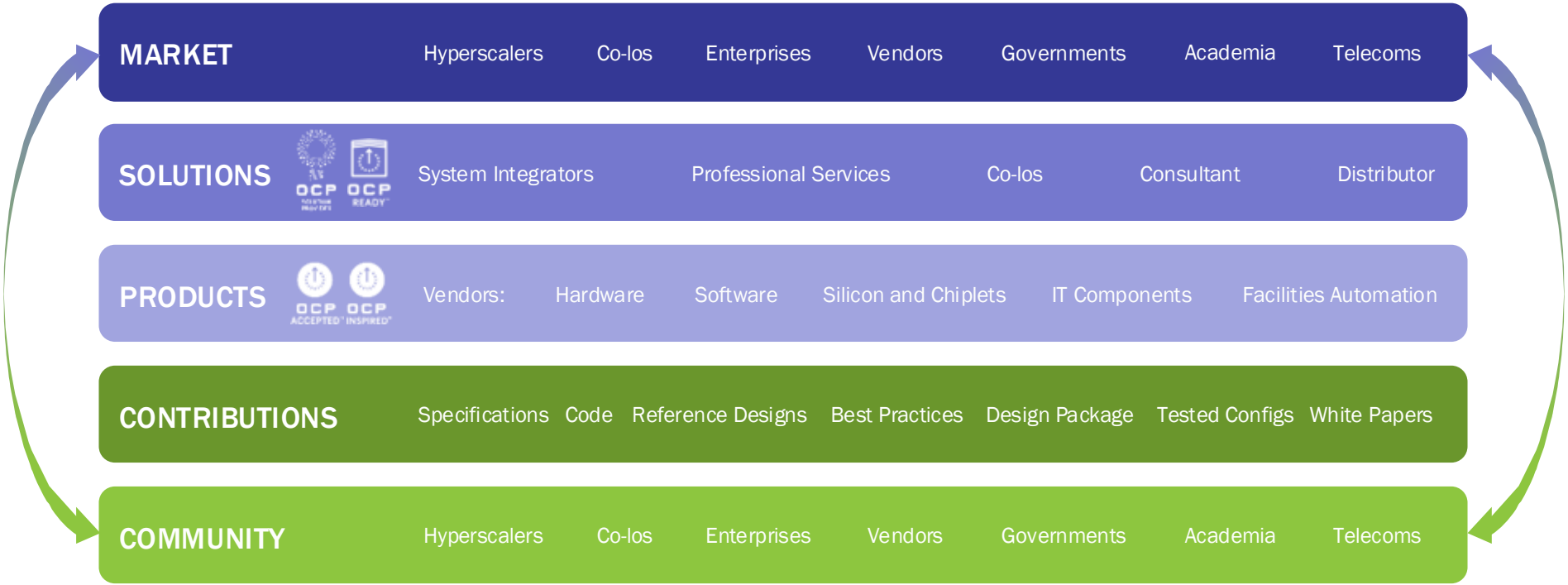
Catalog: OCP Community Orientation

1. Introduction to OCP
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

OPEN
Compute
Project®
Community-driven hyperscale innovation for all

Joining Us

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

OPEN Compute Project®

THANK YOU

opencompute.org

Community-driven hyperscale innovation for all

OPEN Compute Project®