

Open Compute Project







Community-driven hyperscale innovation for all.

OCP meeting the market and shaping the future



OCP's impact to date, poised to shape the future

- ~ **330** corporate members, and **6,000+** global active participants
- Social media followers:  9,600+,  8,200+,  11,500+,  8,600+
- Annual events: over 6,000 in-person and 10K virtual
- **350+** OCP Contributions (Specifications, Designs, White Papers)
- Over **240+** OCP Marketplace SKUs with 6-8K OCP Marketplace views per month
- **50** OCP Solution Providers
- **10** OCP Ready™ co-location facilities worldwide
- **10+** Global OCP Experience Centers
- OCP impact on product revenue to vendor ecosystem* (2021 \$18B to hit \$36B by 2026)

* OCP Commissioned 3rd Party Study by Omdia

Cloud



Co-location



Telecom



Enterprise



System Integrators



Software



DC Equipment



IT Equipment



Component



Community-driven hyperscale innovation for all.

Members from a wide range of the industry

Cloud



Co-location



Component



DC Equipment



Enterprise



IT Equipment



System Integrators



Software

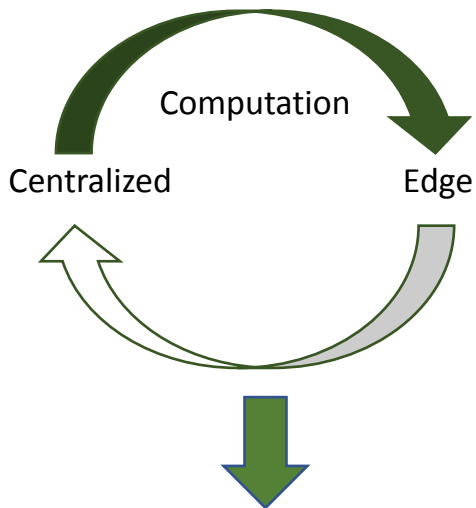


Telecom

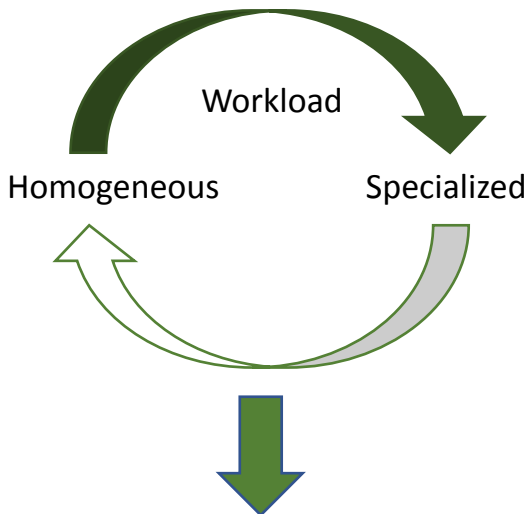


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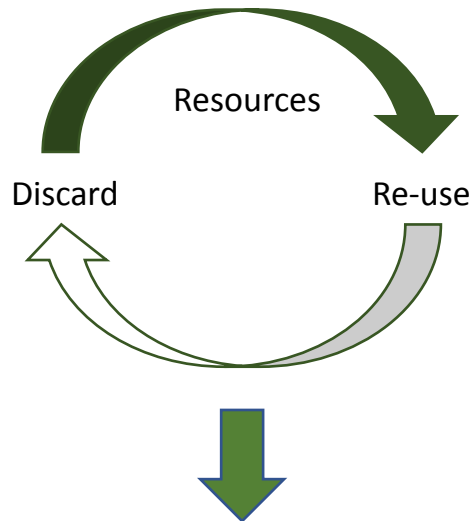
Market forces driving new innovations



IT Ecosystems



Composable Silicon



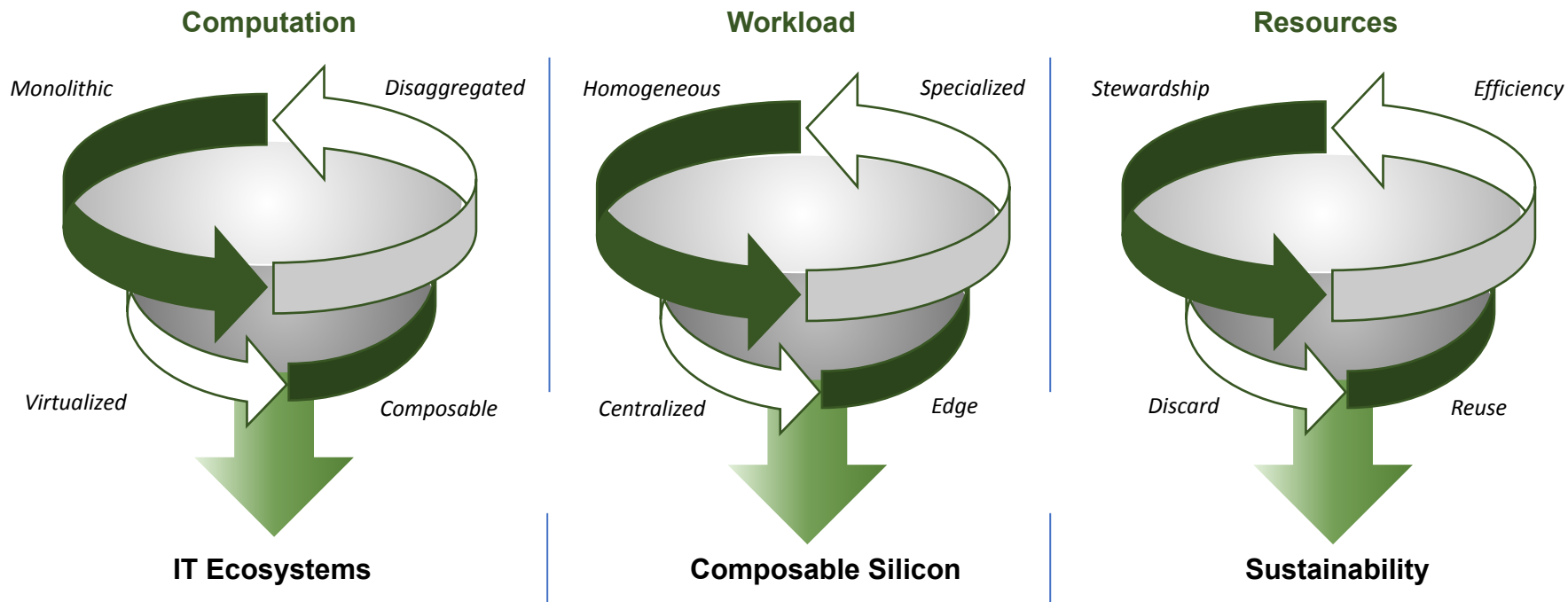
Sustainability



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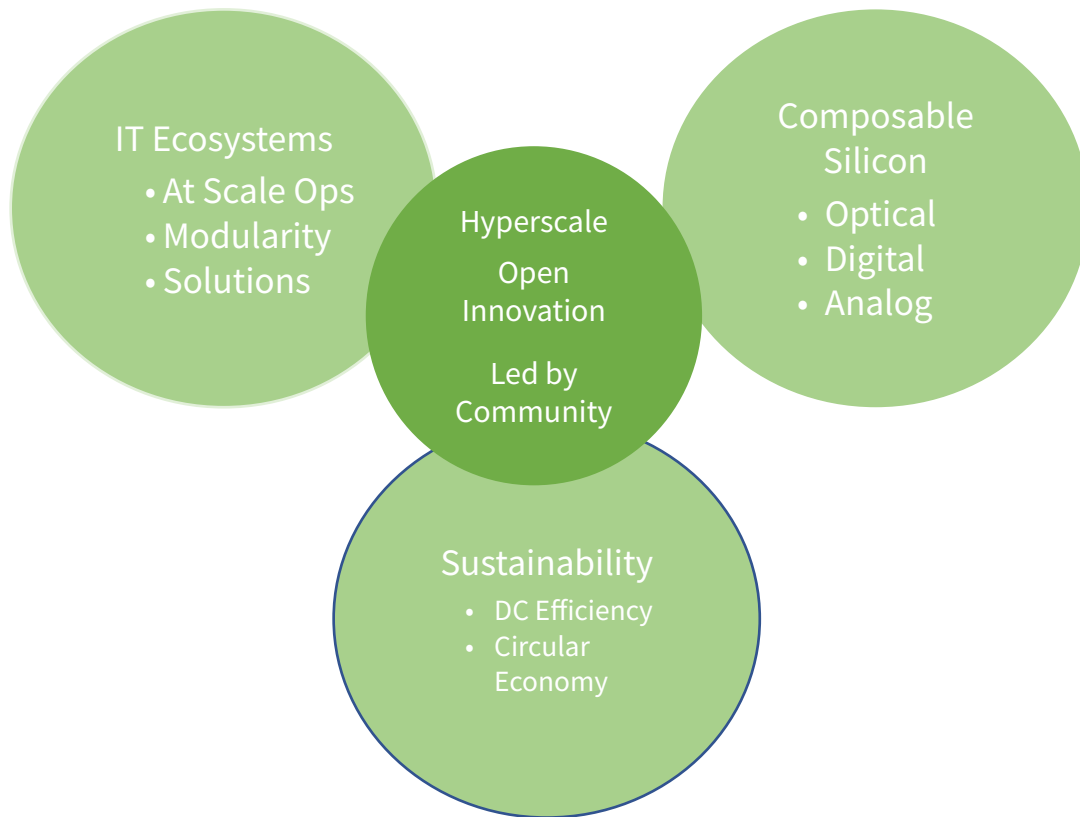
Market forces driving new innovations



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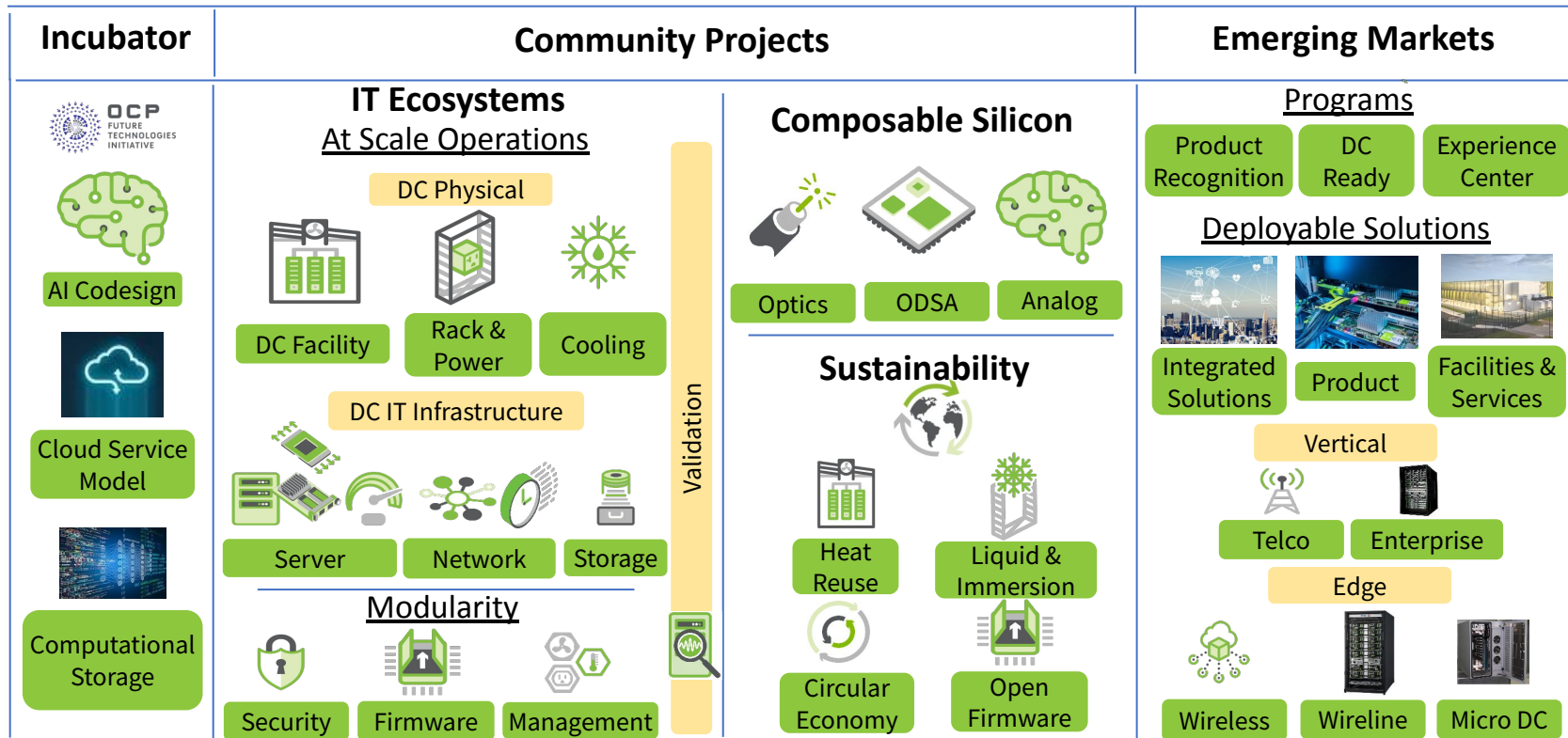
Market forces set the agenda for investments



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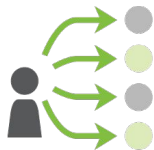
From incubator through projects to emerging markets



OCP Ready Colocation Facilities Program

Accelerating Adoption with Community Driven Standards

Hyperscale Operators



- Accelerate DC deployment
- Reduce costs
 - Site evaluation
 - DC commissioning
- Rapidly enter new markets (Edge)

Colocation Providers



- Validate new technology readiness
- Market differentiator
- Shorten sales cycle
- Position themselves as thought leaders

New Adopters



- Understand facility requirements
- No modification to existing facilities
- Leverage hyperscale operator best practices



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OCP Experience Centers (Seeding Emerging Markets)

Accelerating Open Innovation and Adoption

(concept development, raising awareness, reducing risk)

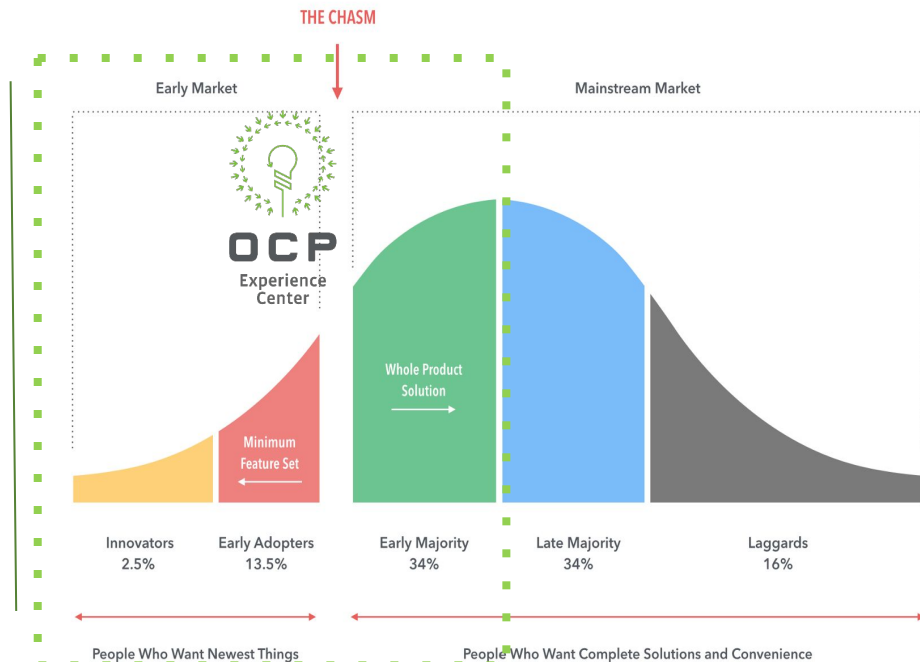
Engineers



Adopters



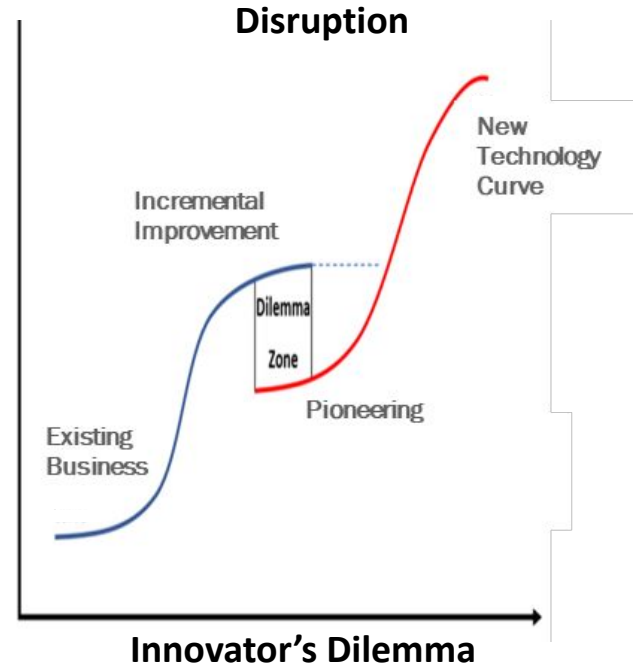
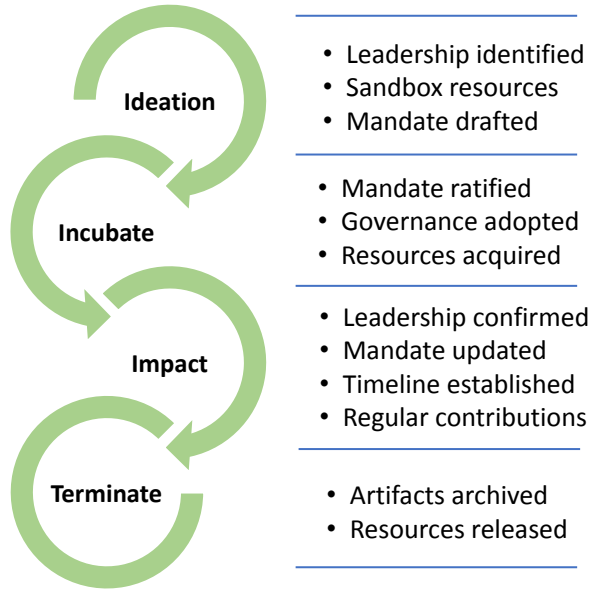
Channel Partners



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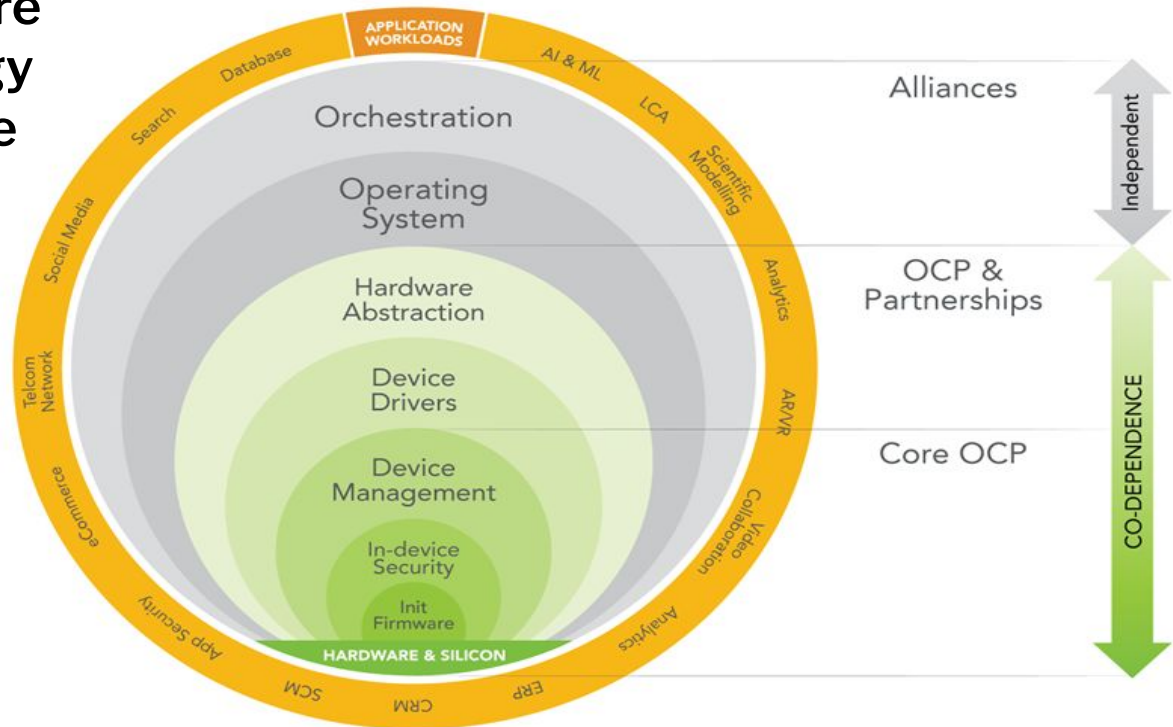
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OCP project life cycle for disruption



OCP

Hardware-software Co-design strategy provides hardware and software balance



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OCP open source and standards ecosystem

Application Orchestration



Infrastructure Orchestration And Tools



Operating System



Middleware



Management



Computational Infrastructure



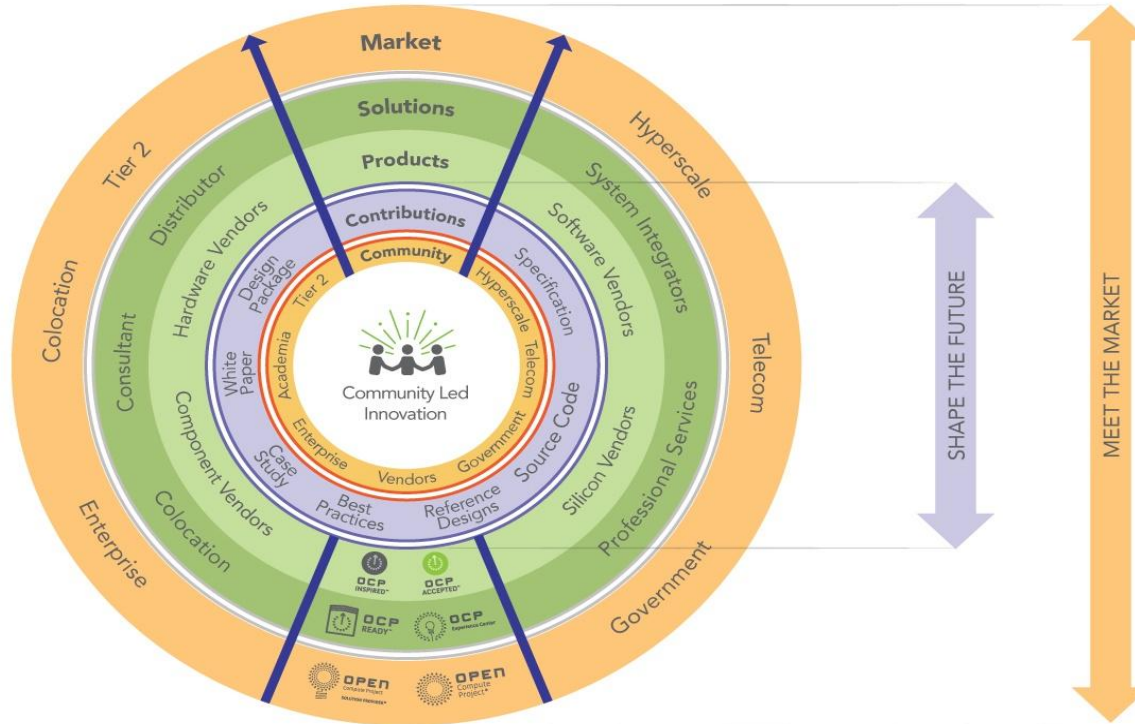
Components



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The entire market benefits from OCP



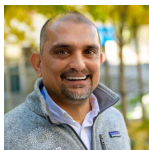
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Community includes 100+ Volunteer Project Leaders

Steering Committee



Dharmesh Jani
Meta
SC Co-Chair



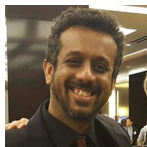
Jeff Catlin
Celestica
SC Co-Chair



Jessica Gullbrand
Intel
SC Co-Chair



Steve Mills
Meta
Cooling Environments



Madhu Iyengar
Google
Datacenter Facility



John Leung
Intel
Hardware Management



Dong Wei
Arm
Open System Firmware



Gopa Parameswaran
Microsoft
Rack & Power



Andres Lagar-Cavilla
Google
Security



Greg Sellman
AMD
Server



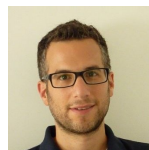
Mike Allison
Samsung
Storage



Shruti Sethi
Microsoft
Sustainability



Craig White
Nokia
Telco



Elad Wind
Nvidia
Time Appliances



Xu Wang
Meta
Networking



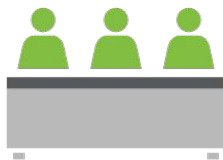
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OCP Steering Committee

SC Responsibilities:

- Review and vote on the disposition of each contribution to the OCP Foundation in order to ensure each contribution provides meaningful value to the OCP Community
- Leverage a broad range of participants with a diversity of backgrounds and companies to provide valuable inputs
- Help to define new direction(s) and strategic initiatives for the OCP Community
- Work closely with the project leads to introduce solutions, specs, frameworks and projects for supporting community needs



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OCP Foundation staff serving the community



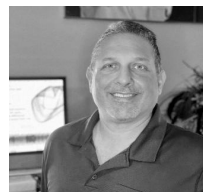
George Tchapanian
**Chief Executive
Officer**



Steve Helvie
**Vice President
Emerging Markets**



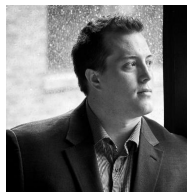
Dirk Van Slyke
**Chief Marketing
Officer**



Bijan Nowroozi
**Chief Technology
Officer**



Cliff Grossner
**Vice President
Market Intelligence
& Innovation**



Michael Schill
**Community
Director**



John Laban
**Representative
Europe**



Kali Burdette
**Director
Global Events**



Kate Hendle
**Meeting & Events
Specialist**



Nick Bullock
**Director
Finance**



Rob Coyle
**Community Technical
Program Manager**



Kevin Kifer
IT Manager



Bill Carter
OCP Fellow Emeritus



Lesya Dymyd
Consultant



Mark Dansie
**OCP Ready
Program Lead**



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OCP Foundation board members setting direction



Zaid Kahn (Board Chair)
Microsoft



Amber Huffman
Google



David Ramku
Meta



Anurag Handa
Intel



Andy Bechtolsheim
Individual



George Tchapanian
OCP CEO



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Get involved!

Join

- Project Mailing Lists
- Project Calls

Drive

- Project Focus
- Thought Leadership

Run

- Project Leaders
- Technical Steering Committee

Contribute

- Specifications
- Products & Facilities

Attend

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



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Learn more at opencompute.org!



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OCP Community Delivered Innovations

Product



Specs



**Design
Files**



**Product /
Facility
Recognition**

Best Practices



**Reference
Architecture**



**Tested
Configs**



**White
Papers**



**Embedded
SW**



**Case
Studies**



Seminars



**Requirements
Documents**



Videos



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100+ Elected Volunteer
Project Leaders
...from dozens of companies.



Western Digital.



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COMMUNITY: PROJECTS & SUB-PROJECTS



Sustainability



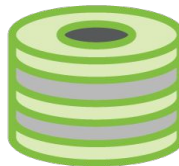
Networking

OPEN NTKW INSTALL ENV
(ONIE), ENTERPRISE
CONNECTIVITY (ECS), SAI



Rack and Power

ORV3 POWER SHELF INPUT, ORV3
FRAME, ORV3 POWER SYSTEMS



Storage

NVMe SSD



Server

PCI 3.0 MEZZ, OPEN ACCELERATOR
(OAI), OPEN DOMAIN SPECIFIC
ARCHITECTURE (ODSA), HIGH PERF
COMPUTING (HPC), SIOV R2.
DC-MHS, CMS



Cooling Envmt

ACS-IMMERSION, ACS- CP,
ACS-RDX, ACF, HEAT REUSE



DC Facility

MODULAR DC,
OCP READY™



TELCO

EDGE



HW MGMT

OPENRMC, HW MODULE
MGMT, HW FAULT MGMT



Open Sys FW



SECURITY



TIME APPLIANCES



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THE POWER OF OPEN COMMUNITIES



- Innovate, influence, lead and establish the new emerging technology roadmaps
- Connect and collaborate - access to industry-wide engineering and R&D
- Accelerate innovation and adaptable open standards in emerging technologies
- Accelerate time to market and mitigate supply chain risks
- Build brand recognition (technology thought leadership and access to industry talent pool)
- Ensure circular economy and sustainability



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