

**OPEN**

Compute Summit

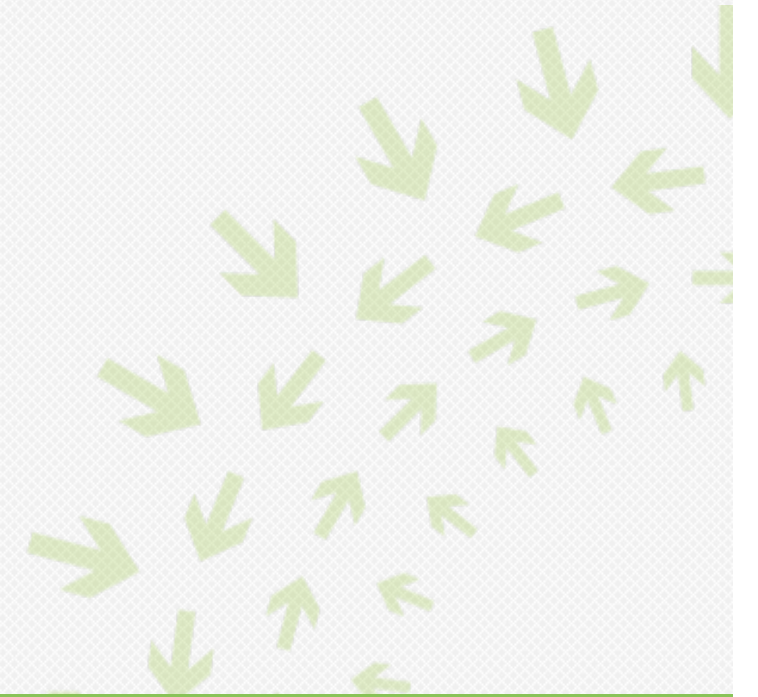
January 28-29, 2014

San Jose



# Open Bridge Rack

Brian Obernesser  
Fidelity Investments  
Director, Data Center Architecture

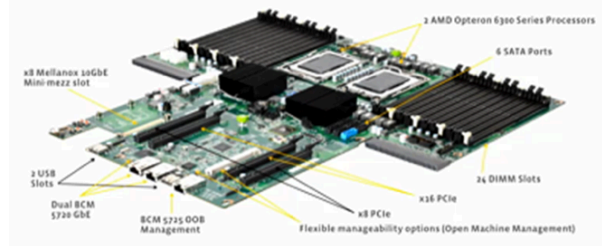


# Fidelity and Open Compute

- Active in OCP since its inception
- Leading & participating in a variety of OCP projects and forums



## Roadrunner Motherboard



HACKATHON  
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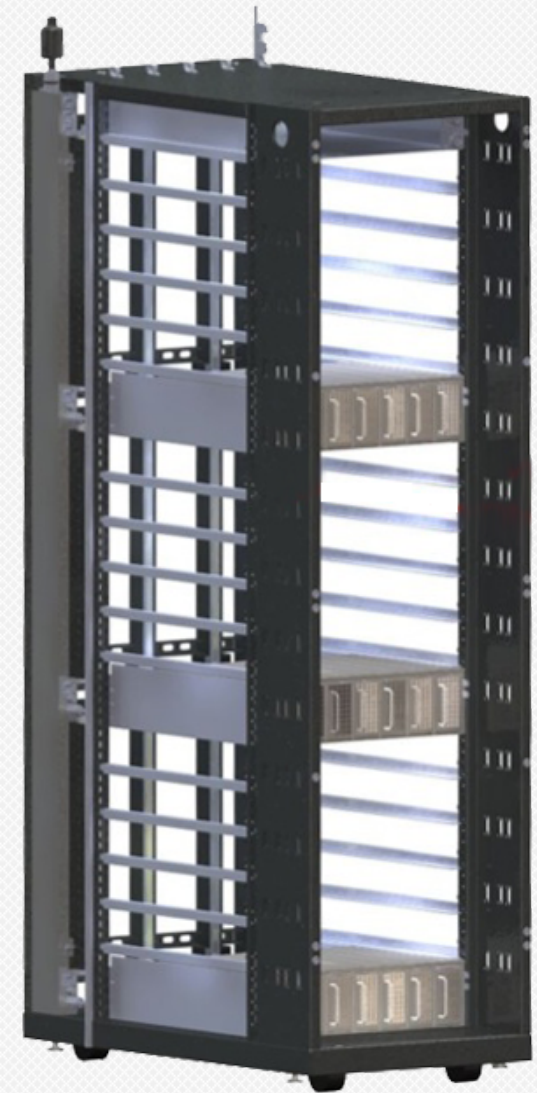
**OPEN**  
Compute Project

Compliance and Interoperability



# Challenges with Adopting OpenRack...

- Hardware incompatibility between EIA and OCP standards
- OCP adoption requires rack replacement
- Power systems permanently fixed to racks
- Serviceability



# The Birth of the Open Bridge Rack...

- First Open Compute Summit Hackathon – January 2013
- The Open Bridge Rack concept was proposed and accepted
- Team of 5 drafted first concept schematics

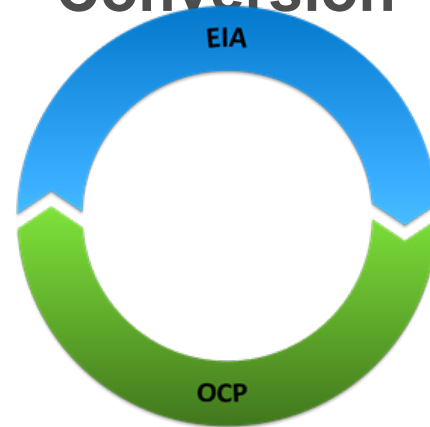


# Open Bridge Rack Benefits...

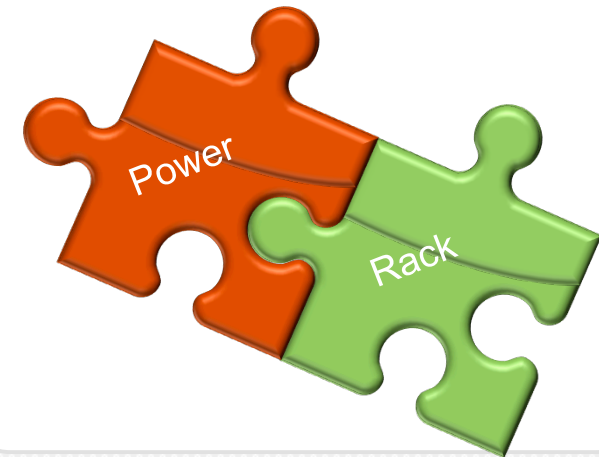
**EIA and OCP Compliant**



**Rapid Conversion**



**Rack & Power Separation**



**Ability to respond to changing capacity demands**

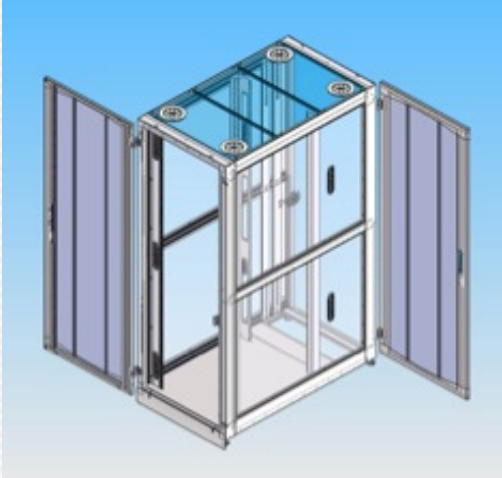
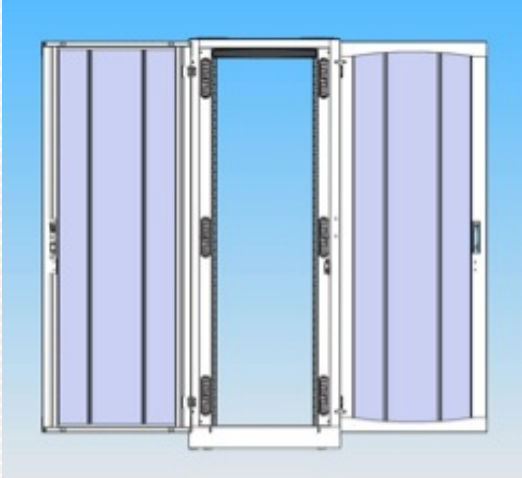


**Vendor Agnostic**

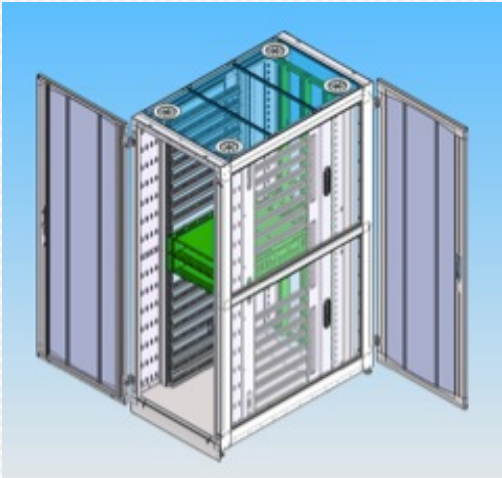
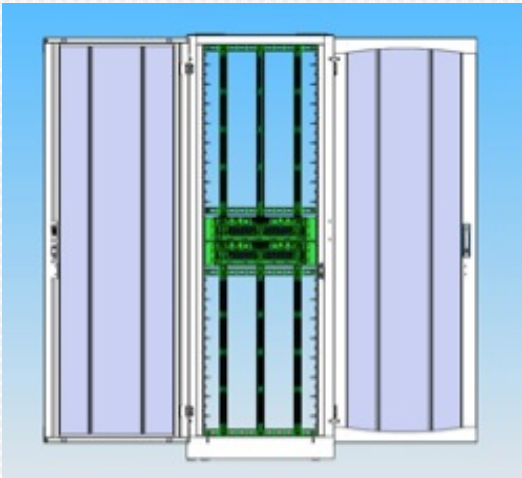


# Open Bridge Rack Images

EIA



OCP



Front

Side



# Open Bridge Rack images...

## EIA Rack Specifications



Front

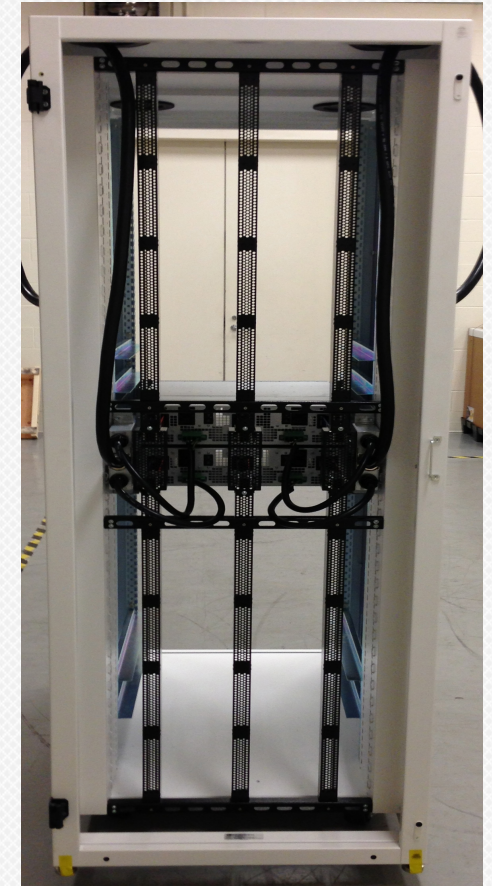


Rear

## OpenRack Specifications



Front



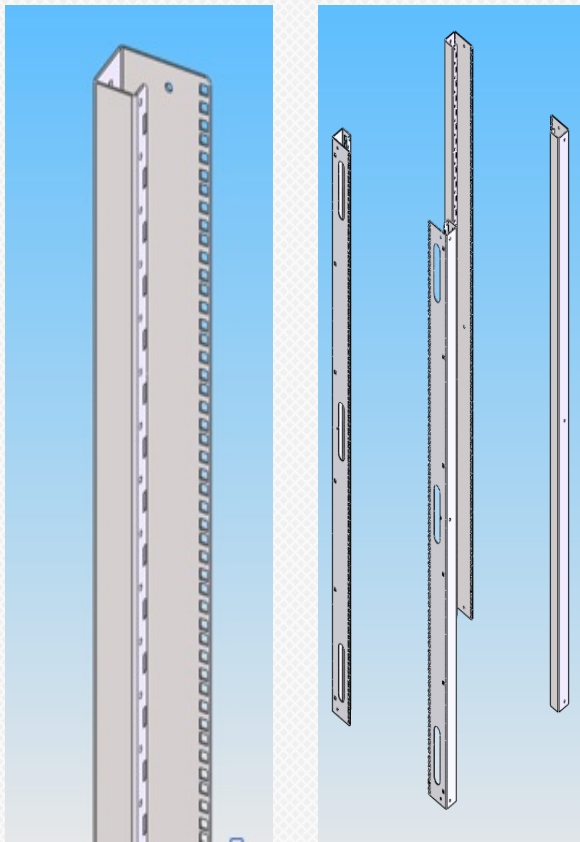
Rear



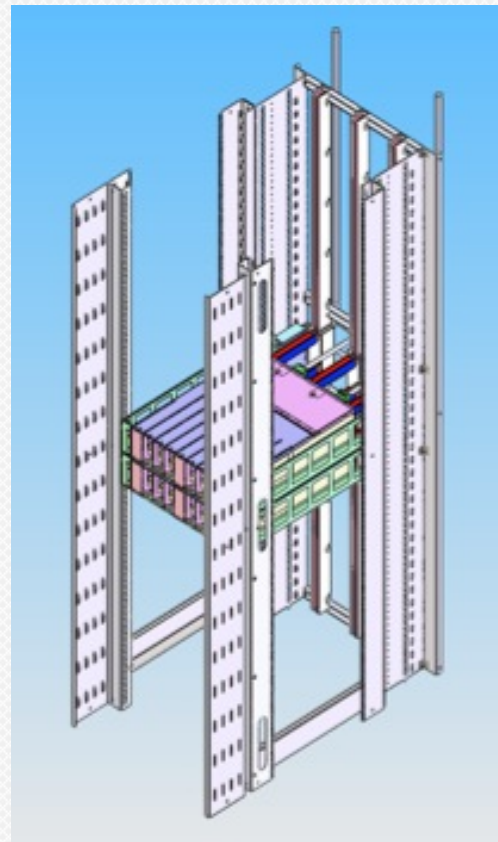


# Open Bridge Rack Components...

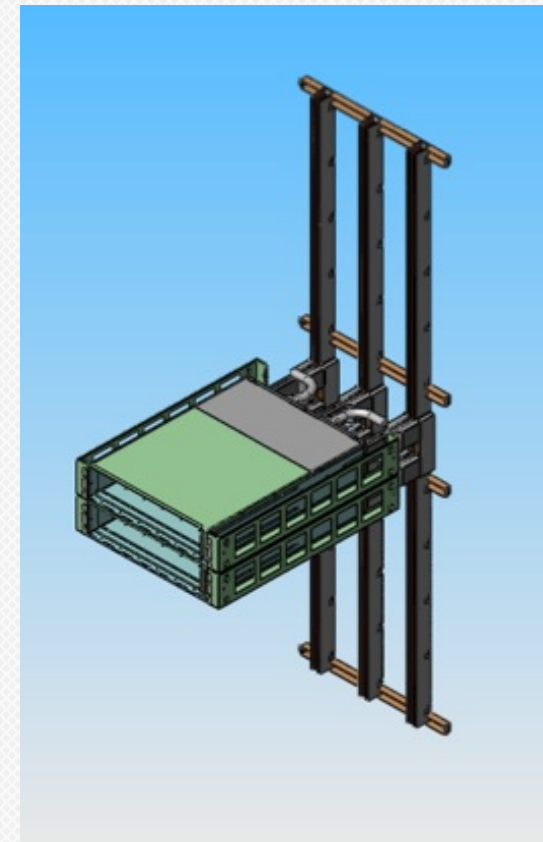
Dual-sided Adaptable Rails



EIA to OCP Conversion Kit



Electrical Components



## What is being contributed?

- Open Bridge Rack specifications
- 3D schematics for both 19" & OpenRack versions

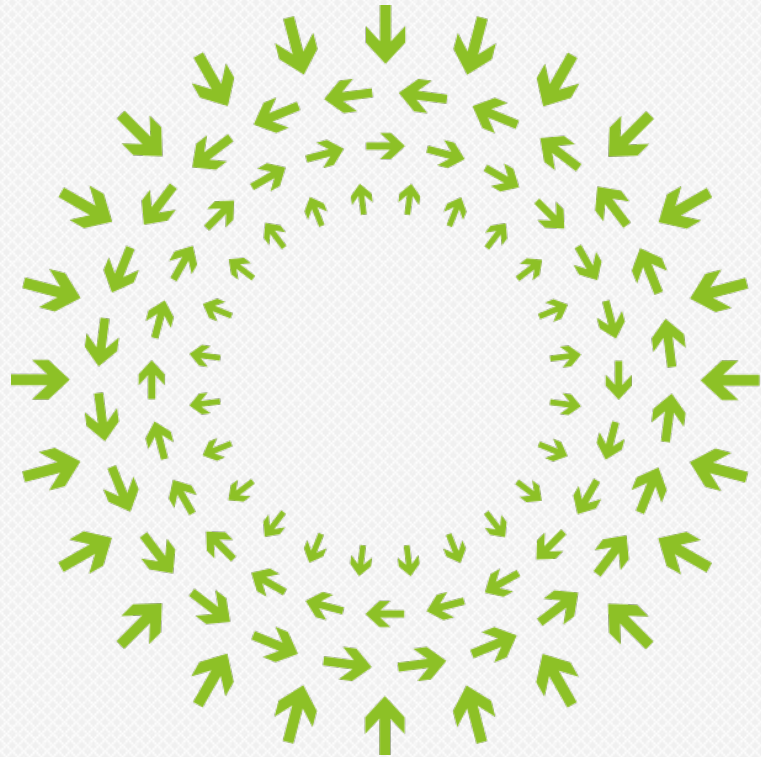
## Level of interest to date

- Integrators
- Colocation Facilities
- Consumers



# Special thanks....





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