



OPEN
Compute Project



OCP U.S. SUMMIT 2017

Santa Clara, CA



Colocation Facility Requirements for Open Compute Racks

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Inflectiontech

OPEN HARDWARE.



OPEN SOFTWARE.



OPEN FUTURE.





Agenda

1. Background & Key Objective
2. Scope \ Considerations
 - Data Center Access & Delivery Pathway
 - Structural & Architectural
 - Electrical Systems
 - Cooling
 - Telecommunications Cabling Pathways & Spaces
3. Checklist Matrix
4. Questions?

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Challenges: Delivery Clearances



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Challenges: Delivery Pathway



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Challenges: Floor Loading - An Open Rack is Heavy



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Data Center Access & Delivery Pathway



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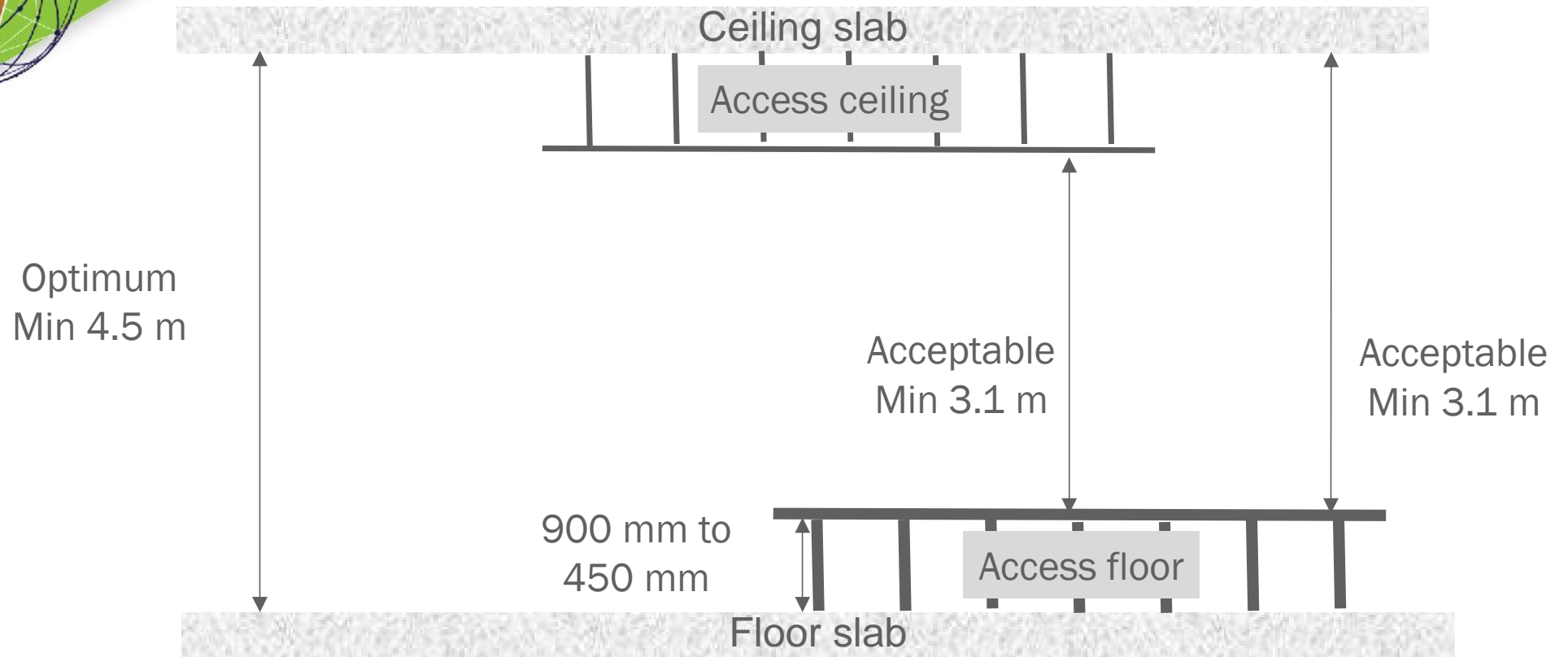
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Structural & Architectural

White Space slab to slab and ceiling heights



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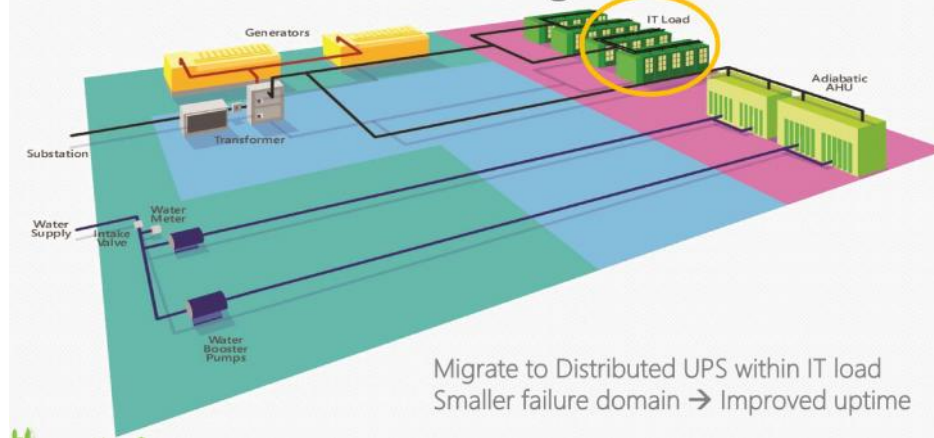
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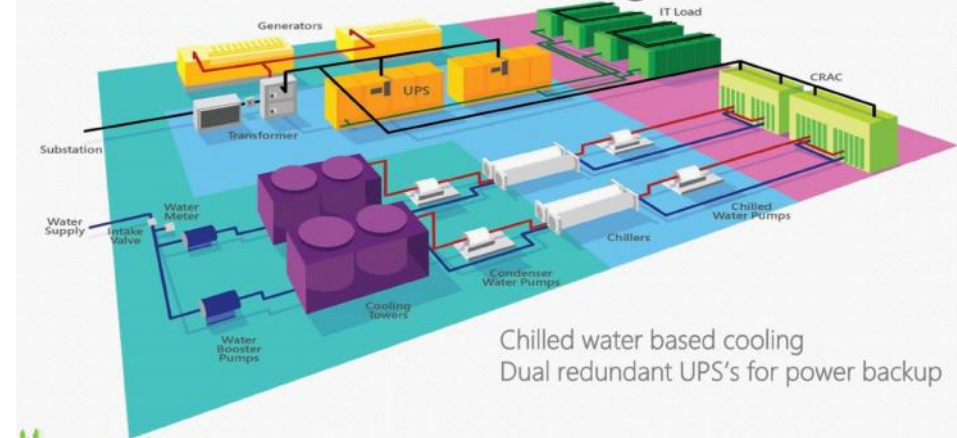


Electrical Systems

Modern Datacenter Design with LES



Traditional Datacenter Design



Optimal

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Acceptable





Cooling

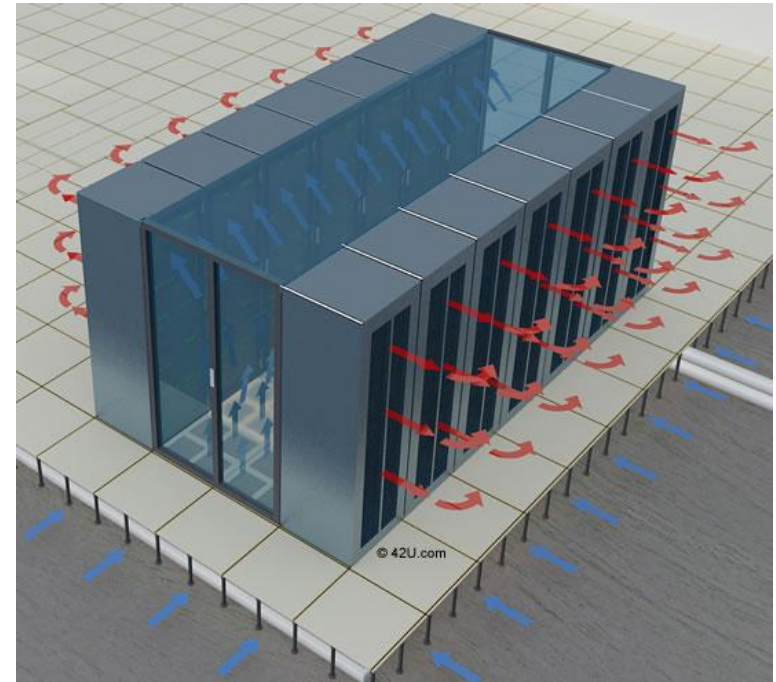


Optimal

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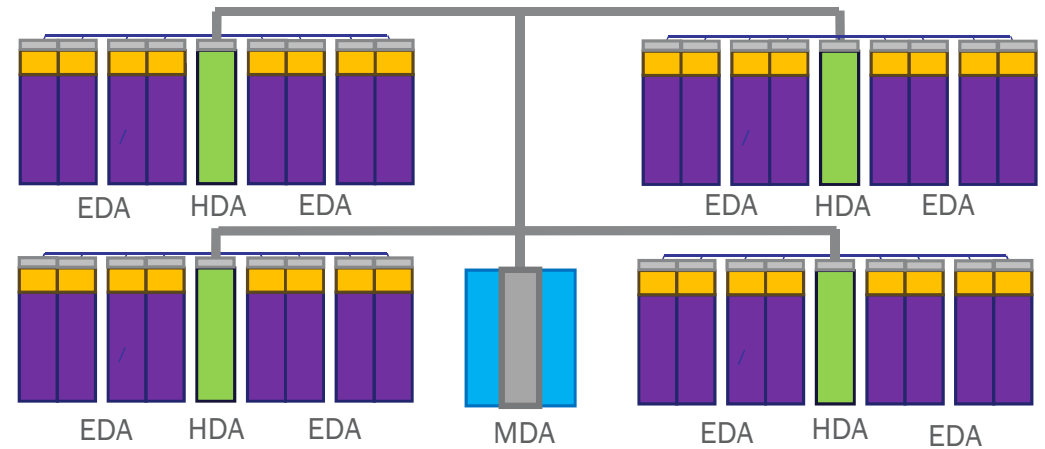
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Acceptable



Telecommunications Cabling Pathways & Spaces



Pathways

Spaces

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Delivery pathway





Questions?

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OCP Web Links and more information

Website

<http://www.opencompute.org/>

Data Center Project Wiki

http://www.opencompute.org/wiki/Data_Center

Data Center Project Mailing List

<http://lists.opencompute.org/mailman/listinfo/opencompute-datacenter>

Ask

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