Rapid Green Revolution: Delivering Sustainable Data Centers at Lightning Speed

BRIGHTRAY Full Prefab Modular Building Datacenter Solution 13:30-13:40, Jan 19th

BRIGHTRAY Chris CHENG



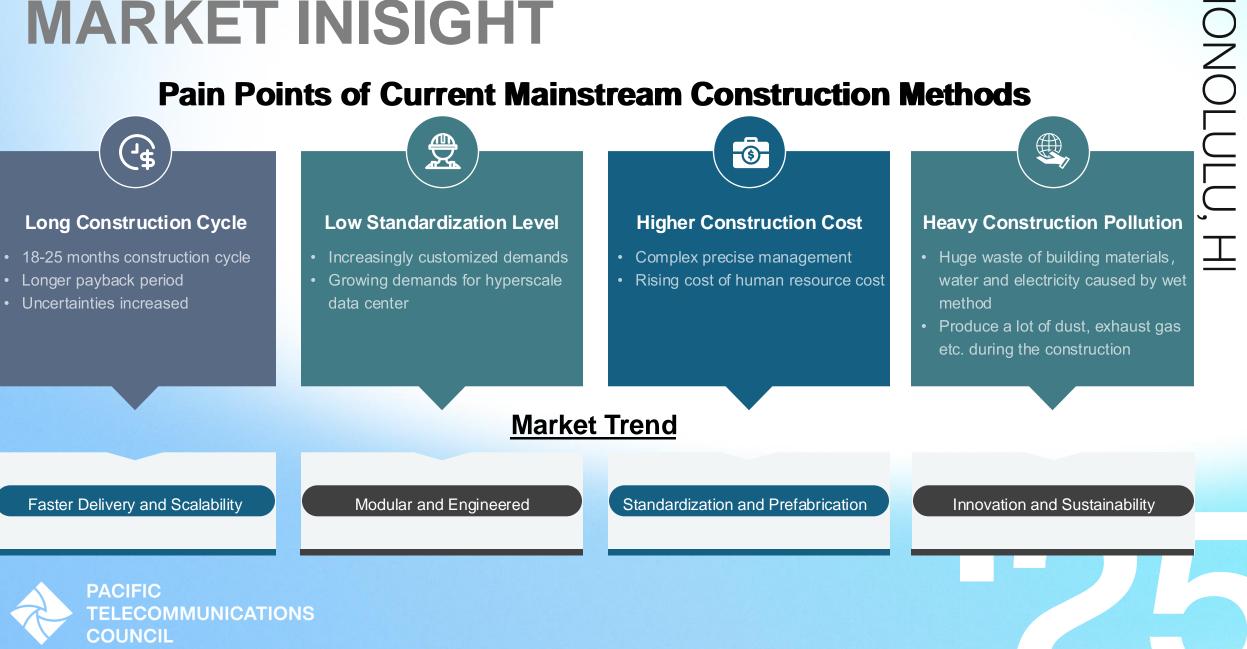
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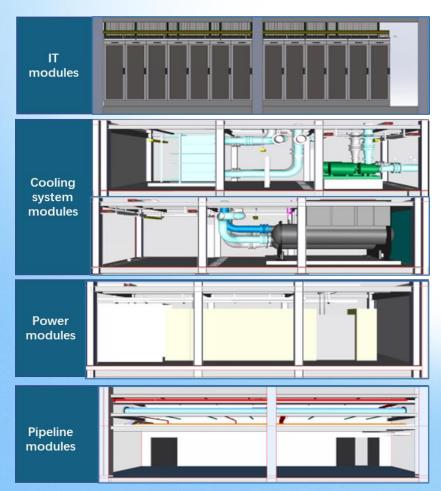
HONOLULU, H

MARKET INISIGHT

Pain Points of Current Mainstream Construction Methods



IN-FACTORY FULL PREFAB

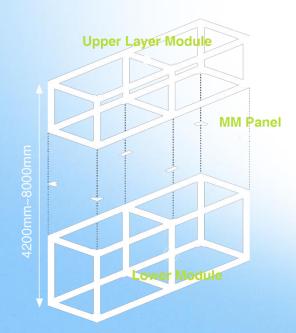


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- - Full stack standard modules design and production
 - BIM management through whole process
- ^{3D} 3D simulation and verification

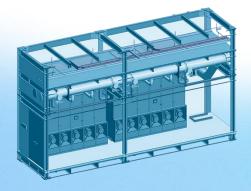
FULL PREFASB STEEL STRUCTURE



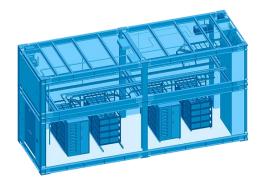




Cooling System Module





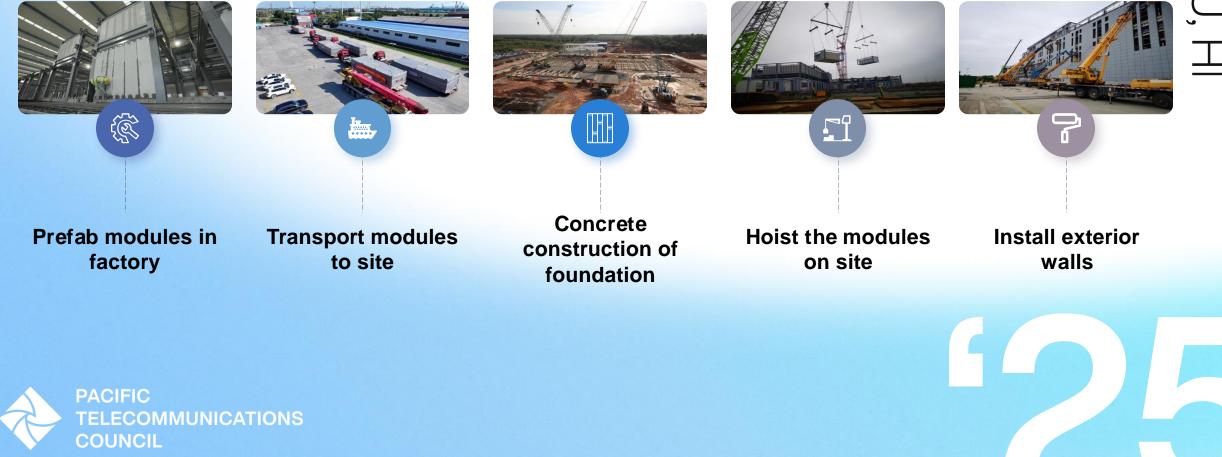


Passageway Module



DELIVER A DATACENTER IN 5 STEPS

FAST DELIVERY IN 6 - 9 MONTHS



MULTI SOLUTIONS FOR DIVERSE DEMANDS

AIR COOLING

- Number of floors: 1-5 floors
- Total capacity: 15-35MW
- Number of rack: Customized
- Per rack power density: Customized

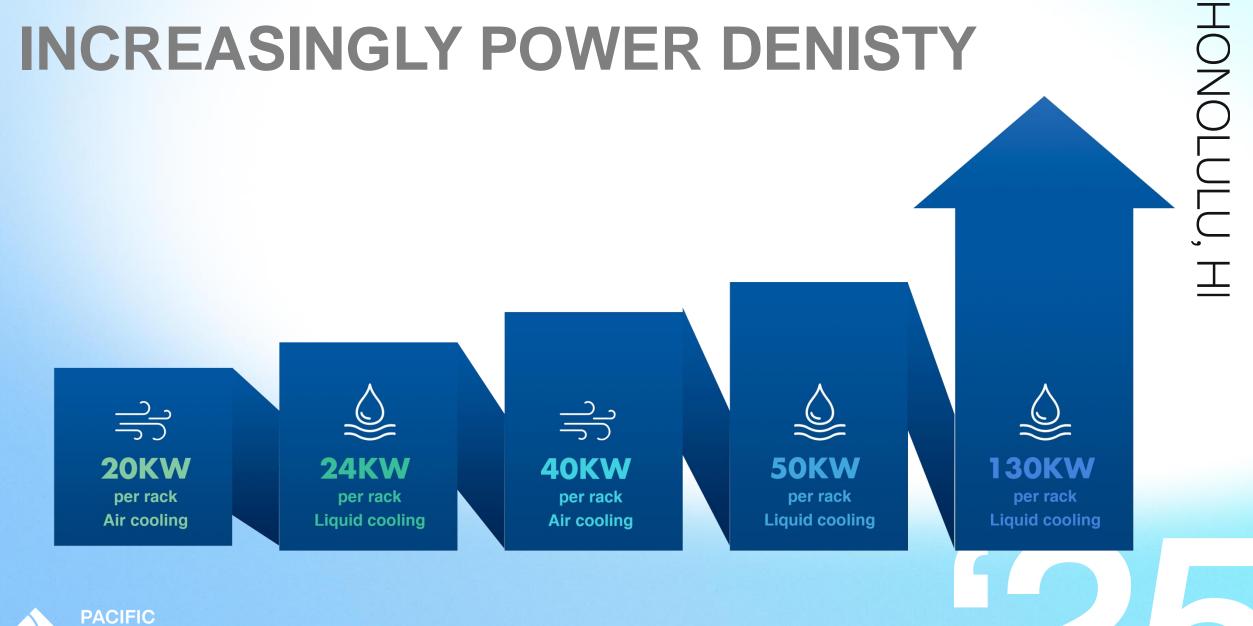
LIQUIOD COOLING

- Number of floors: 1-5 floors
- Total capacity: 15-40MW
- Number of rack: Customized
- Per rack power density: Customized



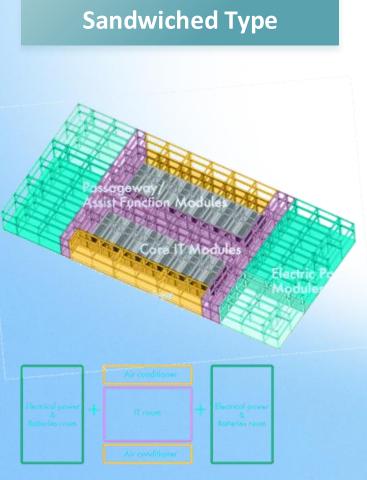
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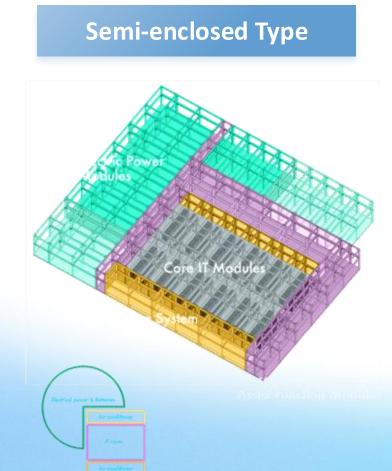


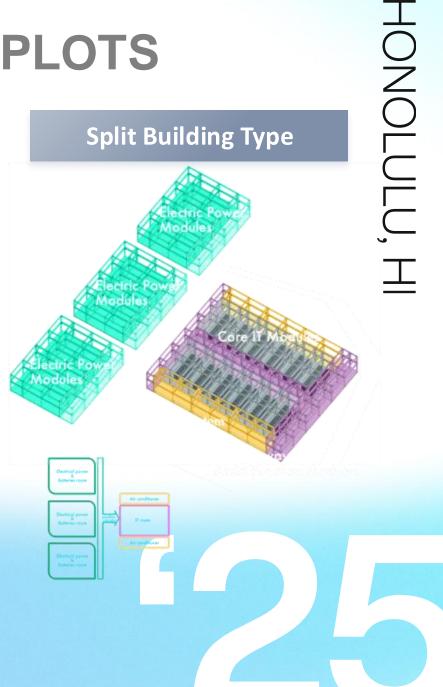
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FLEXIBLE LAYOUT FOR VARIOUS PLOTS



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SUSTAINABLE APPROACH TO DEVELOPMENT

Reduced Construction Pollution

Minimizing on-site work leads to a reduction in noise, dust, and other pollutants. Standardized practices in on-site construction ensures materials are used judiciously

Higher Efficiency Energy Solution

Advanced cooling systems design and innovative energy management to significantly reduce energy consumption and enhance operational efficiency

Circular Structure

The modules can be dismantled, relocated, and fully reassembled elsewhere. So, these modules can be reused or upgraded or building a new data center, enhancing

Enhanced Work Environment

More conducive and safer work environment for the labor caused by the high degree of prefabrication in the factory





SHOWCASE

BRIGHTRAY JOHOR DATA CENTER



Location Johor, Malaysia



Status Constructing





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