Delivering the data center of the future

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Data Center Challenges

Annual Amortized Costs in the Data Center for a 1U Server



Belady, C., "In the Data Center, Power and Cooling Costs More than IT Equipment it Supports", Electronics Cooling Magazine (Feb 2007)

Datacenters constraining growth

 Density, power, and cooling demands outpacing capacity in many data centers

More energy efficiency needed

 Increasing energy costs driving focus on improving power efficiency

Faster capacity expansion required

Companies outgrowing data center capabilities and need immediate expansion space

Increased focus on capital expense

Pay as you grow enables capex postponement, and more efficient procurement

Shortage of in-house expertise



HP Green Data Center Strategy Balancing efficiency + sustainability +TCO & business service Levels





Extending Adaptive Infrastructure with the HP POD

The HP open POD advantage – IT without limits

IT Flexibility: Serviceability:

Deployment:

Management:

Supporting HP and 3rd party IT

Normal IT access, both front and back; overhead POD components

A few weeks from order to shipment, with global deployment & support

Standard remote IT management, standard BMS compatibility



HP POD Key Features

Industry-standard Flexibility

22 x 50U, 19" full-depth industry-standard racks support HP, Dell, IBM, Sun, Cisco, etc.

Best-in-class Density

Support for 3,520 compute nodes, 12,000 LFF drives, or any combination

Shipped in a few weeks, deployed WW

Pre-integrated, configured and tested before shipment; shipped in six weeks from order.

Energy Effectiveness PUE ratio < 1.25 (1.07 excluding chiller)

Infrastructure Services Portfolio

Full lifecycle support services combining technology and facilities expertise







HP POD Infrastructure Services

- Services for the complete lifecycle of your POD Solution
 - -Data center integration and planning
 - Critical Facilities Services delivered by EYP MCF
 - -Tailored Factory Express POD
 - Build, integrate test and ship
 - -Onsite implementation
 - Deployment, commissioning, acceptance testing
 - -Ongoing maintenance and support
 - Options include proactive and critical service named services account team



Key Take aways

- HP is extending our Cloud and Scale-Out portfolio
- HP is delivering an innovative datacenter solution; giving customers additional choice
- HP POD enables rapid capacity expansion
- HP has harnessed its unique expertise in datacenter architecture and design with the HP POD
- HP POD offers greater density, flexibility, accessibility and end-to-end services



More information

• www.hp.com/do/pod



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Technology for better business outcomes Business outcomes = Environmental outcomes

