

# **POWER THE DIGITAL ENTERPRISE**

Change the Game with HDS solutions for SAP HANA

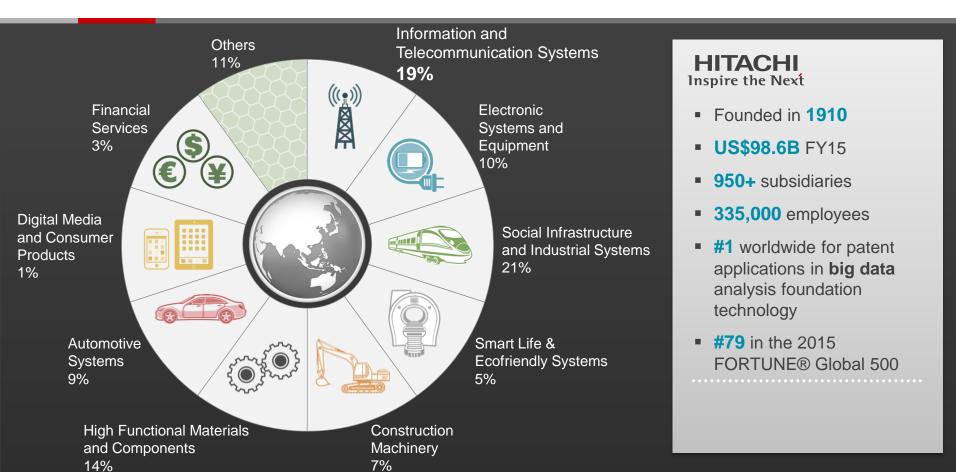
**Stefano Locelso** Channel & Alliance Manager Italy

October 2016

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### Hitachi Group

HITACHI Inspire the Next



### We Bring the Vision and Deep Industry Expertise of Hitachi to Your Transformation



### **SOCIAL INNOVATION**

Deliver innovative solutions to global markets by aligning our broad technology capabilities with our vast industry expertise for the enrichment of society.



SYSTEMS

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### Hitachi Data Systems Is Ready To Help Your Transformation





GLOBAL EXPERTISE 6,300 Employees



PROVEN PORTFOLIO

**#1** High-End Storage Platform (Gartner)

**TOP** Enterprise Object Store (Gartner, IDC) Blend the best of shared and dedicated on-premises, consumption-based cloud

**EFFECTIVE** 

**CLOUD** 



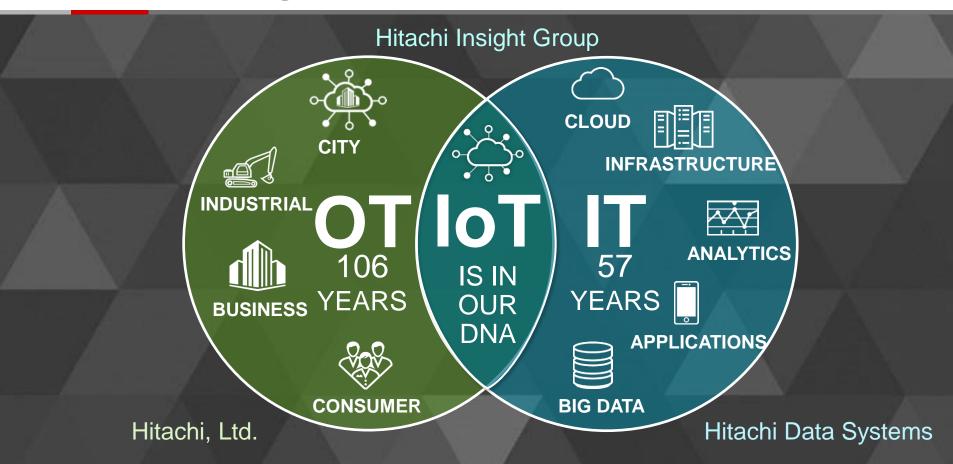
Turn legacy IT into digital advantage with our tiered portfolio of support services:

- Cloud
- Big data analytics
- Data protectionInfrastructureApplication

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100+ Countries

# Draw From Hitachi Integration of IT, OT and IoT for Valuable Insights and Outcomes



HITACHI

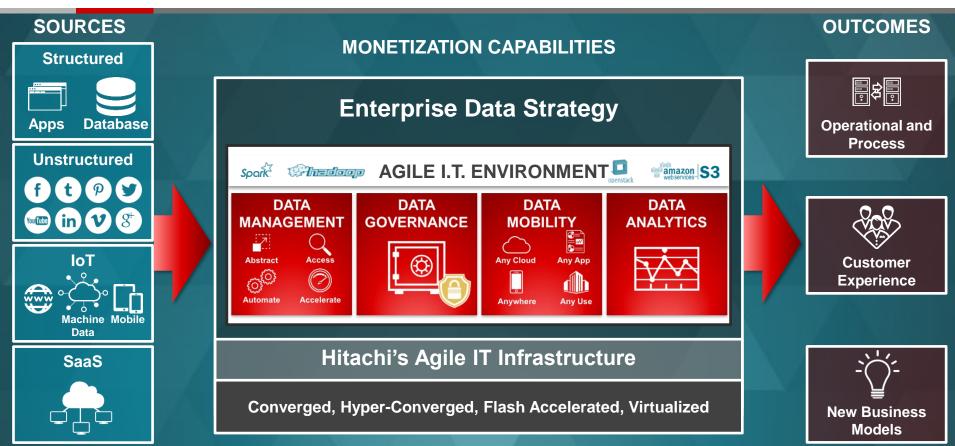
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# DATA FOUNDATION TO ACCELERATE DIGITAL TRANSFORMATION

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### Create Business Value With the Right Data Strategy



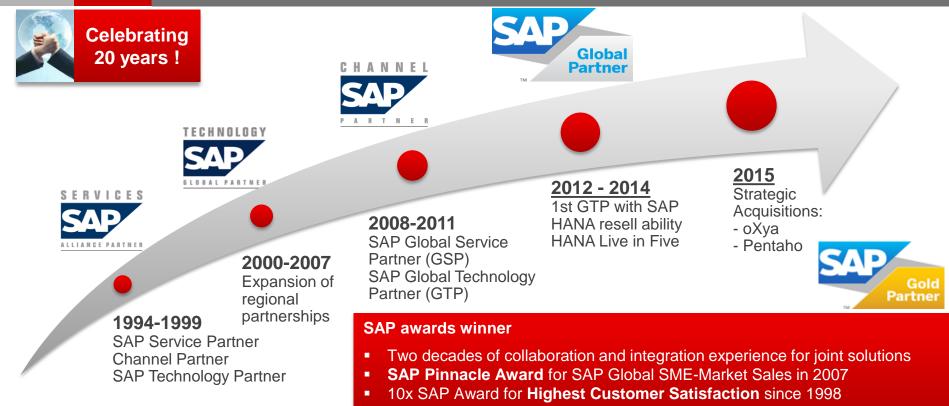




## Change the Game with HDS solutions for SAP HANA

### **Hitachi and SAP Partnership**



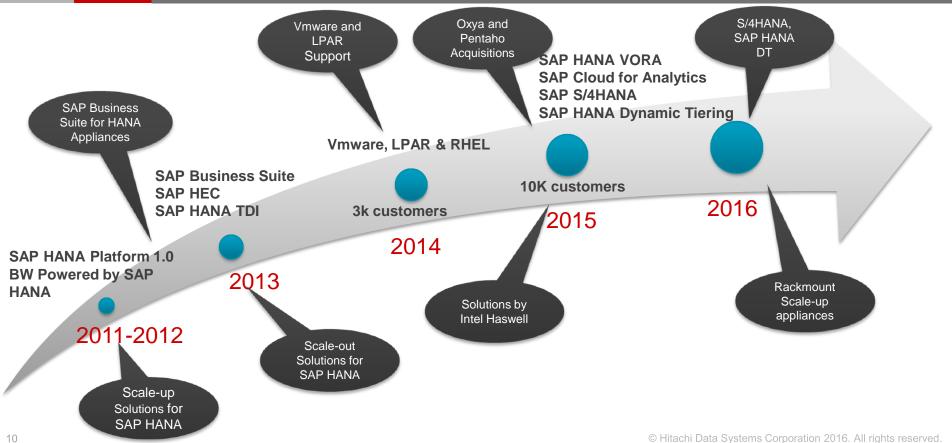


Competency Center at SAP HQ in Walldorf to enhance and develop solutions

9

### SAP HANA Platform Evolution with Hitachi UCP

#### HITACHI **Inspire the Next**



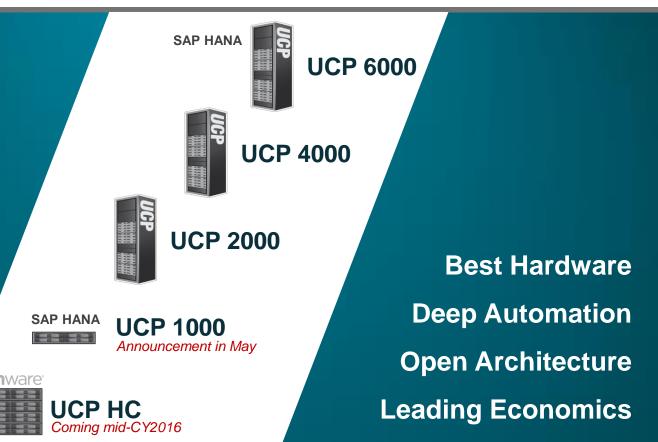
## **Convergence and Cloud: HDS Is Ready**



Hitachi Unified Compute Platform

> Growing Faster Than Market

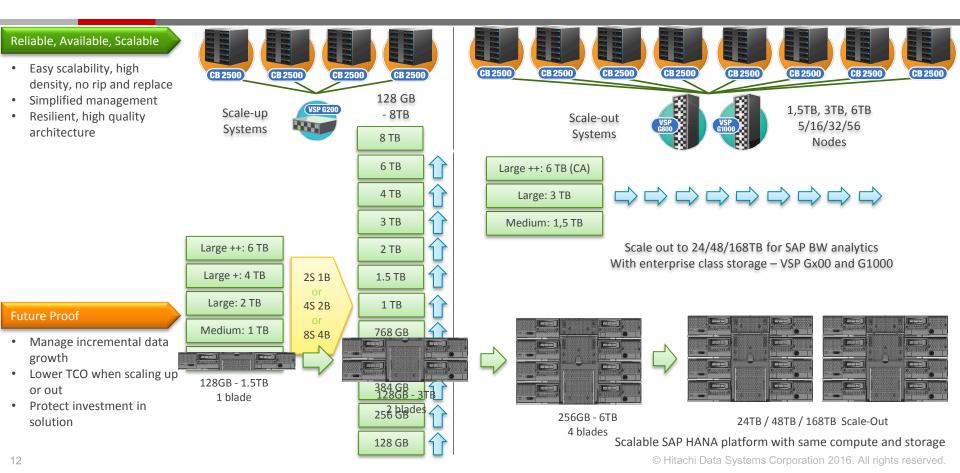
> Big Additions Coming in 2016



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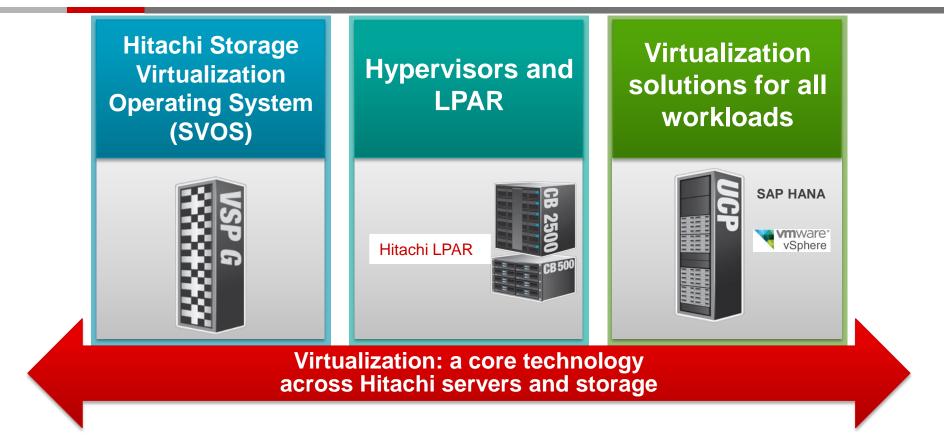
### UCP for SAP HANA – Core Hitachi Values





### **Virtualization is Part of Hitachi DNA**





### **Adding Digital Innovation to Your Cart**







# ACEA & HDS Enterprise solutions for SAP HANA

Marco Belli Marco.belli@aceaspa.it

October 20th

### **Datacenter ACEA**

#### Macro numeri

#### Fisico

- □ 128 Blade HP BL460c Gen9 per VMWARE
- □ 63 Blade Hitachi CB520X per SAP HANA
- □ 2 Cluster HNAS 4060 per NFS share
- 30 Server fisici
- B IBM Power System
- □ 3 Storage HDS VSP G1000 1,35 PByte
- □ 1 Storage IBM DS 8870 170 TByte
- □ 2 Storage NetApp 180 TB
- Backup
  - 1 VTL + 1 TL
  - 2 HDS HUS 130 per Backup SAP HANA
- Virtuale
  - □ 1260 Server VMWARE
    - 953 Windows
    - 307 Linux
  - □ 350 Server LPAR AIX

acea

### Infrastruttura SAP HANA per Acea – Data Center





Data Center Ostiense

#### Infrastruttura Storage:

420 TByte

#### Infrastruttura DB HANA

- 63 Server Fisici HDS CB520X Ivy Bridge
- 1890 Core in 126 CPU
- 57,5 TByte di RAM

#### Infrastruttura di Backup:

• 390 Tbyte per Backup Giornalieri/Settimanali e Mensili

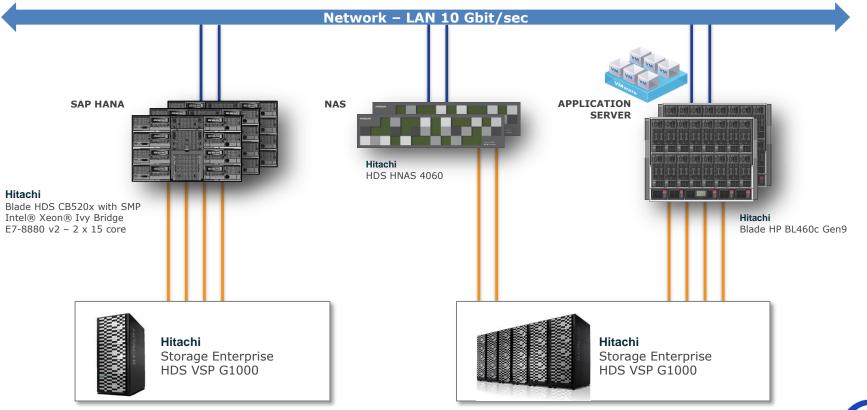
#### □ Infrastruttura Application Server per Sistemi SAP HANA-Based:

- 32 Server Fisici -> 150 Macchine Virtuali Vmware
- 640 Core per 64 CPU
- 8 TByte di RAM dedicata
- 1.600.000 SAPS erogati



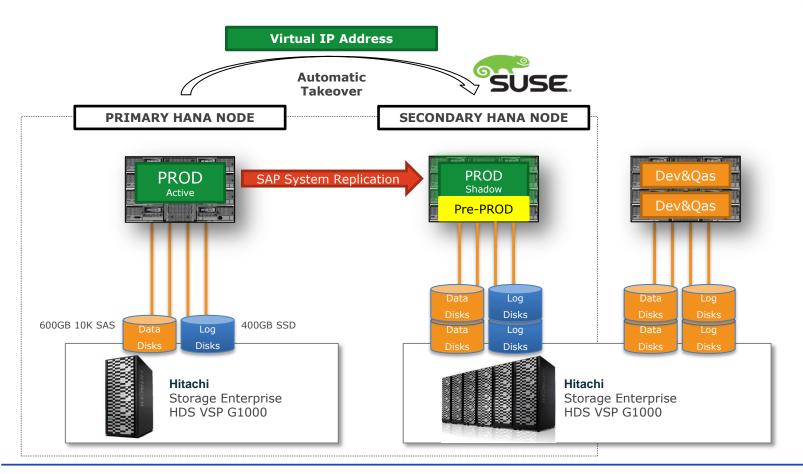
**11 Rack** (Armadi) dedicati nel Data Center Interconnessione: <u>2 Km di cavi in Fibra Ottica</u> Tempo medio installazione e configurazione: **3 settimane** 

### Infrastruttura SAP HANA per Acea - Modello TDI



acean

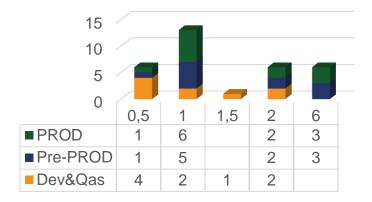
### Infrastruttura SAP HANA per Acea - Landscape



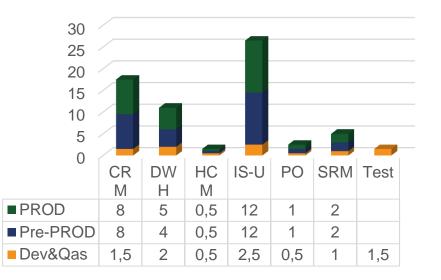
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### Infrastruttura SAP HANA per Acea - Landscape

#### **NUMERO NODI HANA**



#### **RAM ALLOCATA PER APPLICAZIONE**



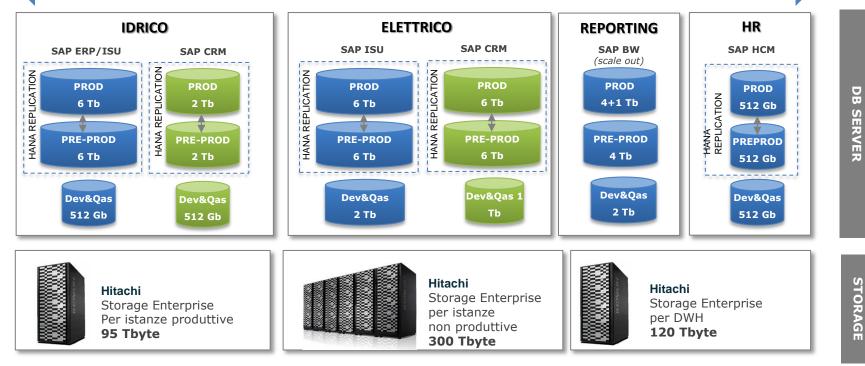
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### Infrastruttura SAP Hana per Acea

150 Application Server – Infrastruttura VmWare

# APP. SERVER

#### Network – LAN 10 Gbit/sec





## **Thank You**

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