



# VDI Workshop

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Melbourne

**Presented by:**

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XENON Systems

In collaboration with:



## Outline

- **Overview of XENON's capabilities:**
  1. Traditional Workstation Lab
  2. Typical VDI Lab
  3. VDI Lab based on Huawei FusionSphere
- VDI Benefits
- Introductory Offer



# XENON Overview

## Industries we work in:



**XENON**<sup>®</sup>  
High Performance Computing

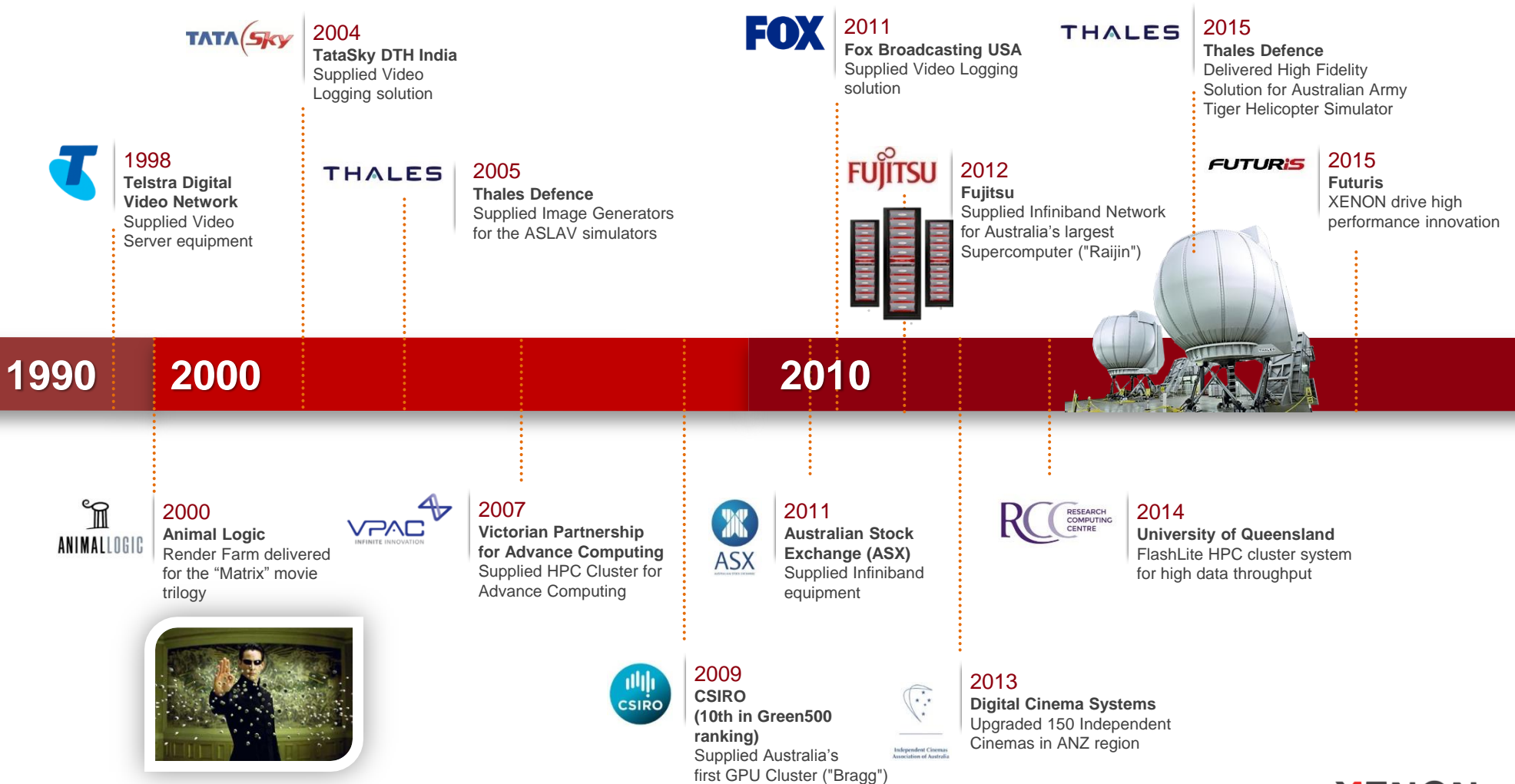
- Defence
- Education
- Broadcast

- Scientific / Academic Research
- Oil and Gas
- Cloud

- Finance
- Telecommunication

# XENON Milestones

Delivering world-class high performance computing solutions

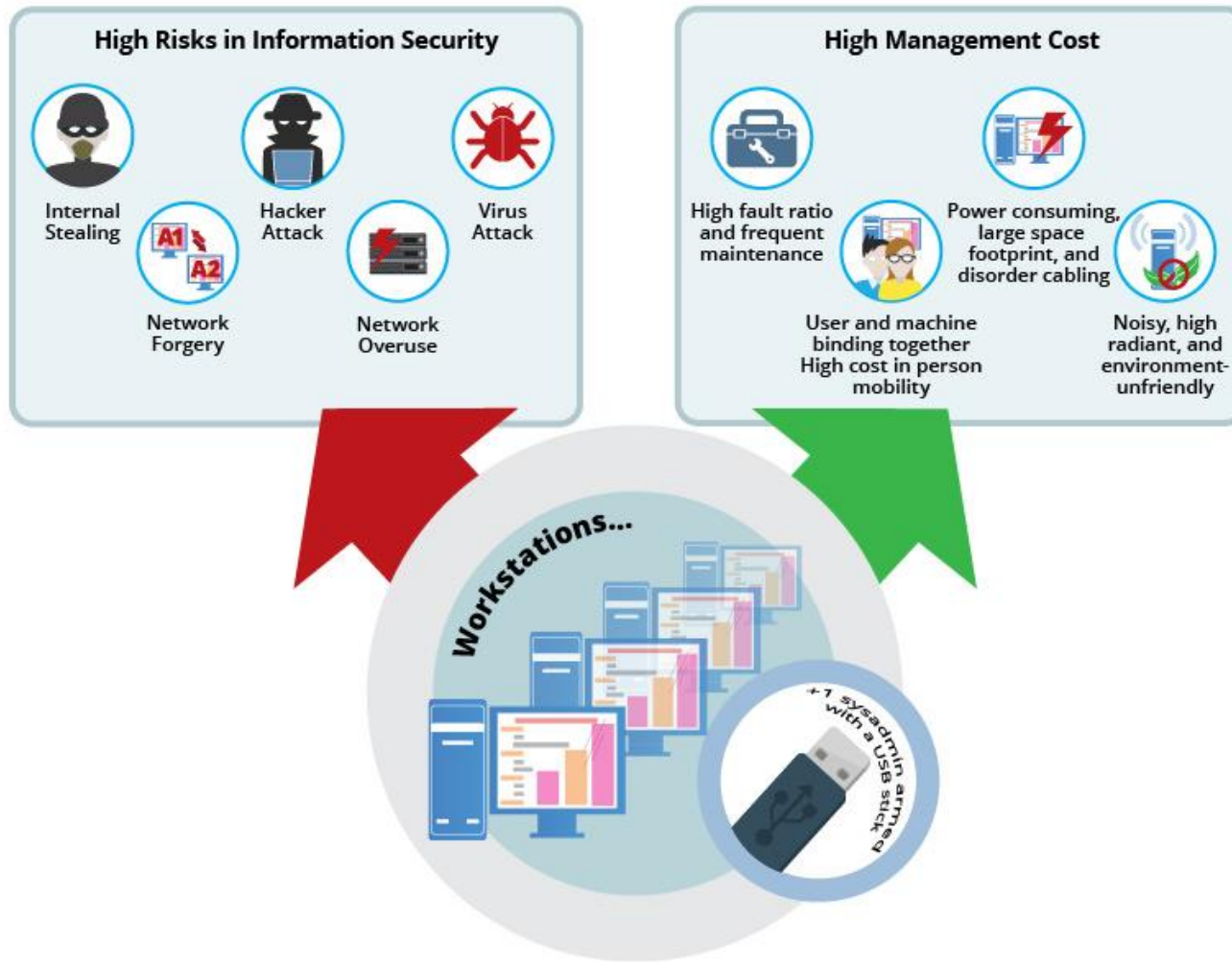


## XENON Solutions

- **Visual Workstations**  
XENON's Nitro visual workstations: **Performance and Reliability** for the most demanding graphics, engineering, digital arts workloads.
- **GPU Computing**  
High performance **acceleration solutions** leveraging NVIDIA Tesla technology and the CUDA ecosystem.
- **Virtualisation**  
End-to-end virtualisation solutions for compute, storage, networking, and desktop. Server and **VDI solutions** from high density servers to GPU enabled workstations and thin/zero client solutions.



# Traditional Lab Layout



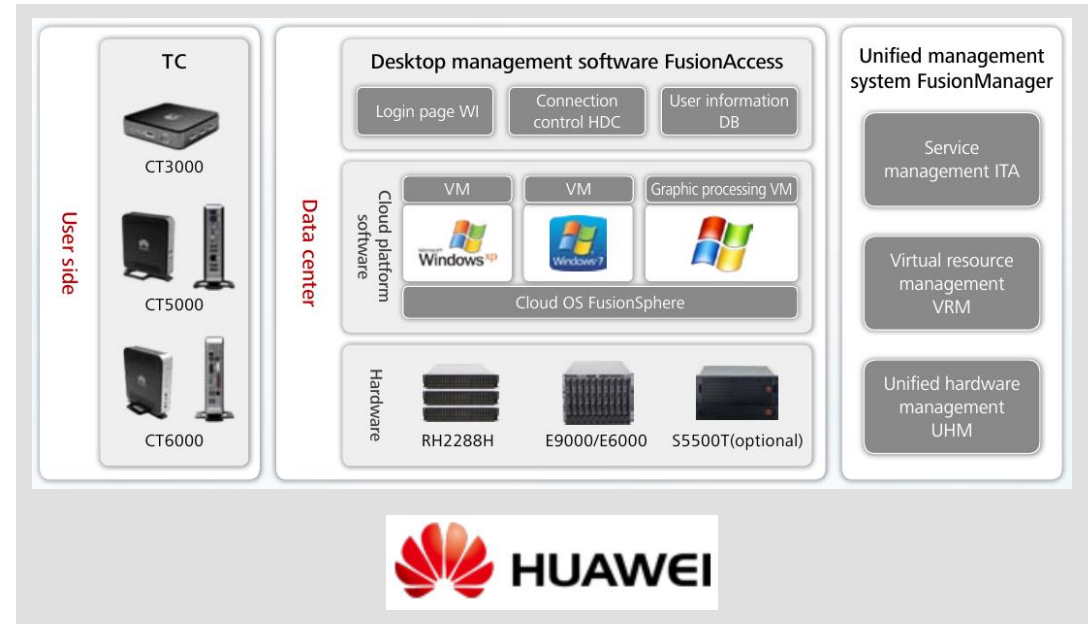
## Typical VDI Lab

- Server hardware from vendor A
- Storage hardware from vendor B
- Hypervisor from vendor C
- Thin client from vendor D
- End user device from vendor E
- Integrated by vendor F



## VDI Lab based on Huawei FusionSphere

- Huawei End-to-end solution:
  - Huawei Servers
  - Huawei Storage Solutions
  - Huawei Thin Clients
  - Huawei FusionSphere VDI software stack
- vGPU solutions based on NVIDIA GRID technology
- **Complete solution integrated by a single partner:**

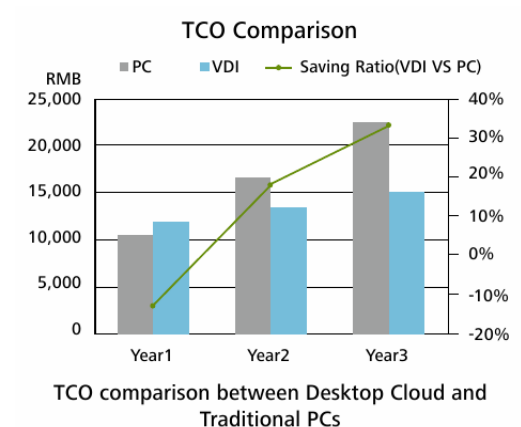
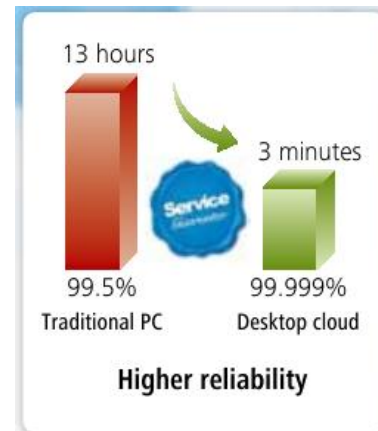
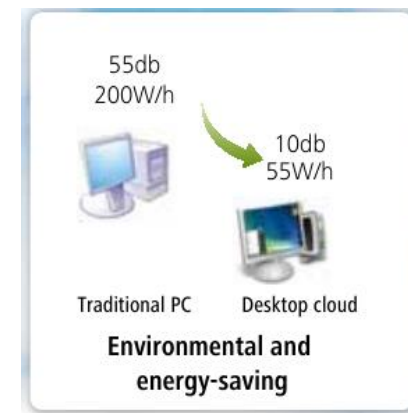


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# VDI Benefits

- **Flexibility**
  - Distribute and share CPU and GPU as needed
  - Reconfigure in minutes for different labs
  - Access from anywhere any time
  - BYOD
- **Security**
  - System security
  - Data security
  - Access control
- **Total Cost of Ownership**
  - Centralised and simplified system, configuration, and resource management
  - Extended lifetime of the system (servers and thin clients)
- **Reliability and Environment**
  - Improved reliability and availability
  - Fast recovery (restore/rebuild)
  - Reduced power consumption
  - Reduced environmental impact



## Simplified TCO Comparison

- 1. Traditional Lab:** PCs + Monitor + Windows license
- 2. Typical VDI lab:** “Typical” Hypervisor + Management tools + VDI software  
**Just license costs are almost comparable to a “Traditional Lab” setup**  
**Trade-off upfront cost with TCO due to reduced configuration, maintenance, management needs over the lifetime of the solution**
- 3.** Huawei VDI software stack for 100 users thin clients, FusionAccess software  
**Up to 70% cost reduction**
- 4.** Complete Huawei VDI solution for 100 users including servers, thin clients, FusionAccess software stack  
**Up to 30% upfront cost reduction for the complete Huawei VDI solution**

### Significant TCO savings over life of the solution due to:

- Reduced upfront capex
- Improved management efficiency reduces resource requirements
- Reduced power, cooling
- Improved reliability
- Flexible reconfiguration and redeployment to accommodate more labs/users



## Summary

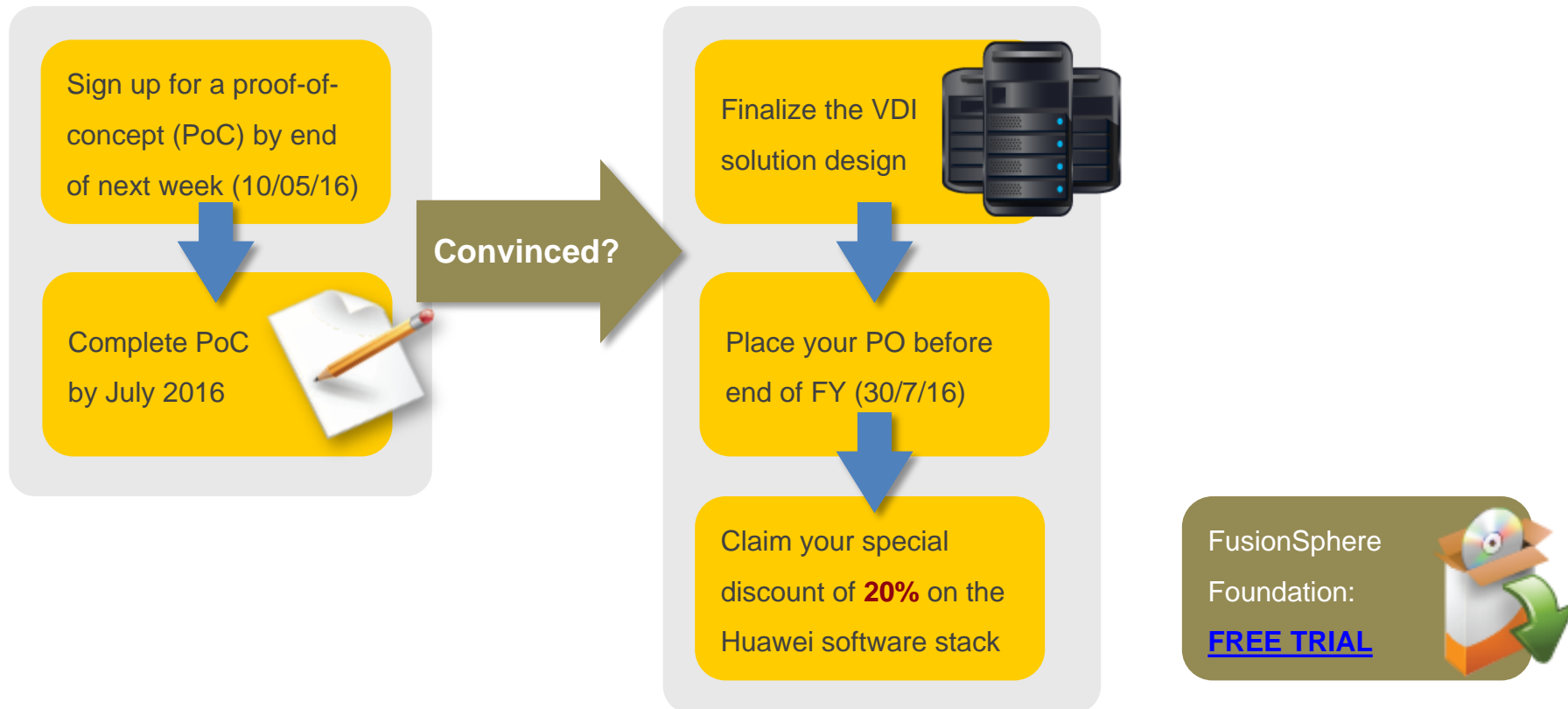
### A Huawei/NVIDIA/XENON VDI solution provides:

- Improved flexibility, security, and reliability
- **Powerful enterprise grade security features:**
  - Memory/disk/network security, automatic secure erase, fine grained permissions, ACLs
- **HA configurations/redundancy:** hardware redundancy, VM migration
- Automatic fault diagnosis and recovery
- VDI solutions deployed on large scale (1000s of desktops)
- Full vGPU support
- Upfront capex and further TCO savings of the lifetime of the solution



## Special Offer for Today's Attendees

Huawei, XENON and NVIDIA special offer for attendees of the workshop:





Thank You

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