



# ENTERPRISE INFRASTRUCTURE AND DATACENTER

**Our services** can accommodate diverse  
client requirements catered to fit their needs



System  
Infrastructure

Network Infrastructure  
(LAN / Wireless LAN)



DR solution



System  
Network  
Monitoring Tools

Hyper Converge  
Infrastructure (HCI)



Datacenter  
Solution



Server

Storage SAN  
Network Access Storage



Storage SAN  
Network Access Storage



# DATA CENTER

## SOLUTION

### What is Datacenter ?

- A data center or data centre is a building, dedicated space within a building, or a group of buildings used to house computer systems and associated components, such as telecommunications and storage systems

### Data Center Solution

- Turnkey Solution
- Project Management
- Construction Management
- Facilities Monitoring System
- Facility Management

### Datacenter Equipment Solution

- Environmental Control Equipment.
  - Environmental Monitors
  - Airflow Plans
  - Humidifiers
  - Air Cooling
- Server Racks.
- Redundant Power Sources.
- Cable Management Supplies.
- Computer & Network Equipment.

### Products and Services

- Electrical System
- Cooling and Ventilation System
- Fire Protection System
- Security System
- Architecture and Interior Design

# DATA CENTER

## COMPONENTS

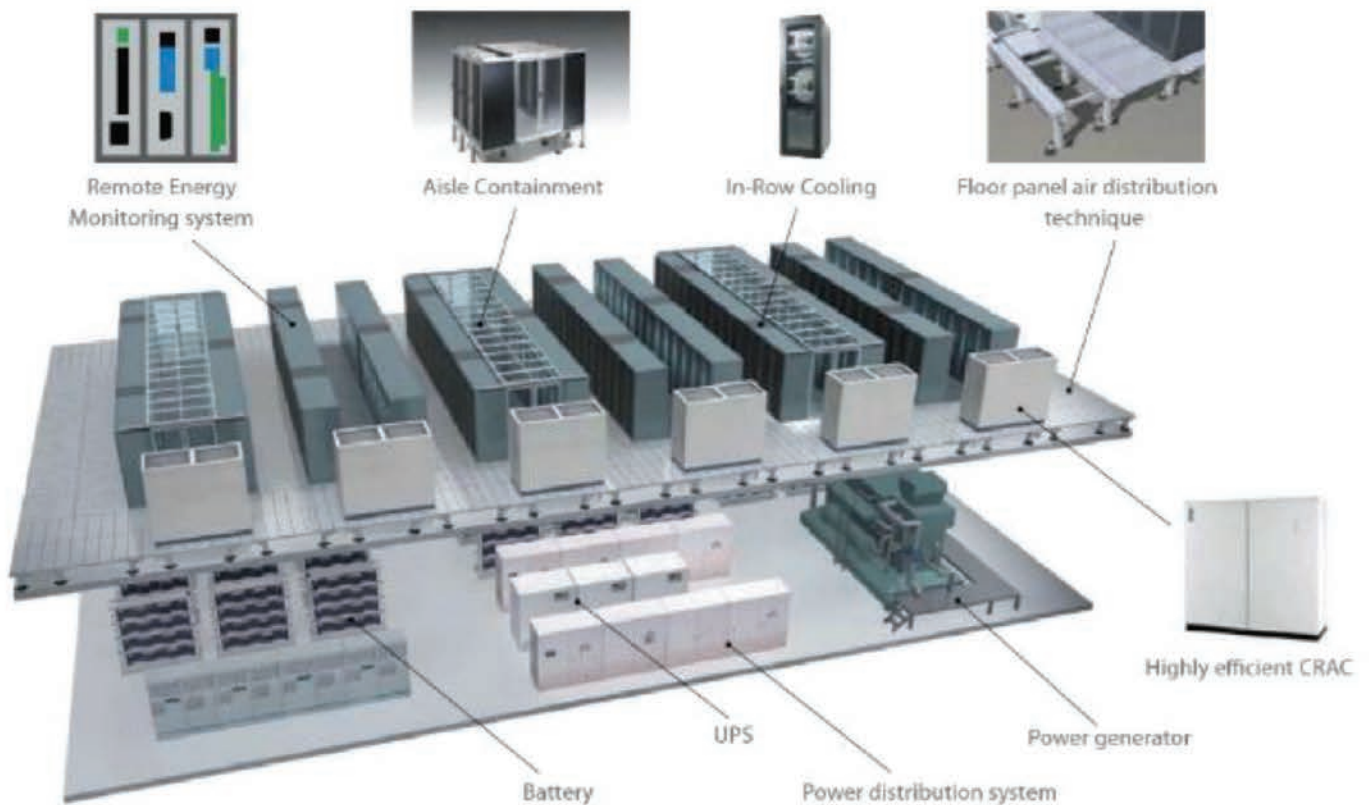


### Typically Data center hardware includes

- **Core computing equipment such as**
  - Desktops
  - Servers
  - Server racks
- **Network equipment including:**
  - Routers
  - Switches
  - Modems
  - Firewalls
  - Cables
- **Storage resources such as:**
  - Hard drives
  - Tape drives
  - Backup storage resources
- **Power and cooling infrastructure**  
(usually managed through HVAC software/system) including
  - Power generators
  - Cooling towers
  - Uninterrupted power supply system (UPS)
- **Other input/output devices such as**
  - Printer
  - Keyboard
  - Mouse
  - Scanner

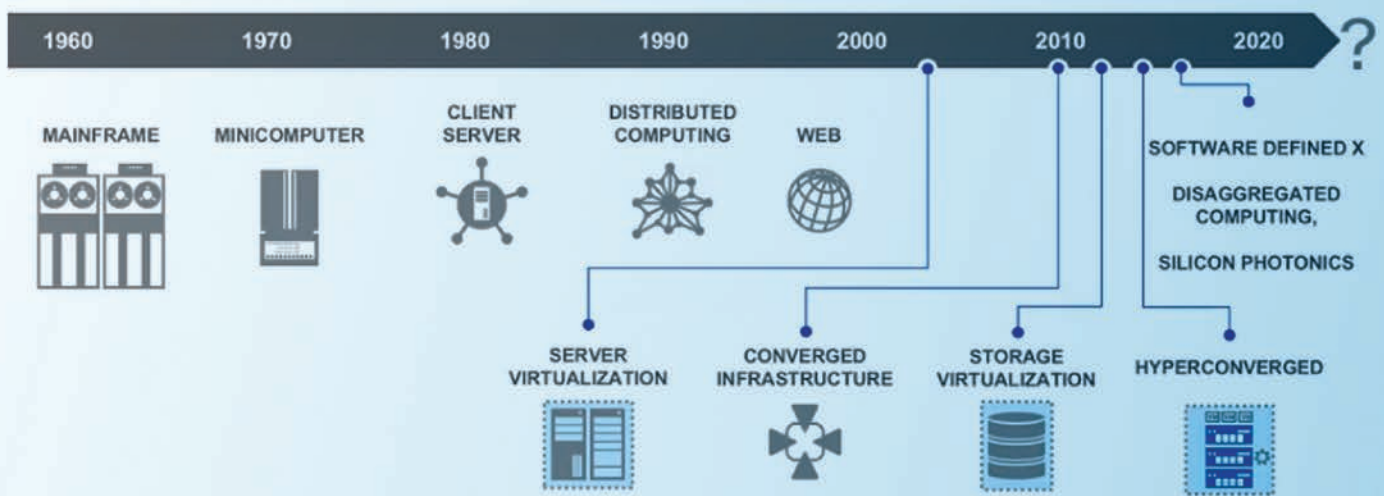


## Datacenter – Sample case



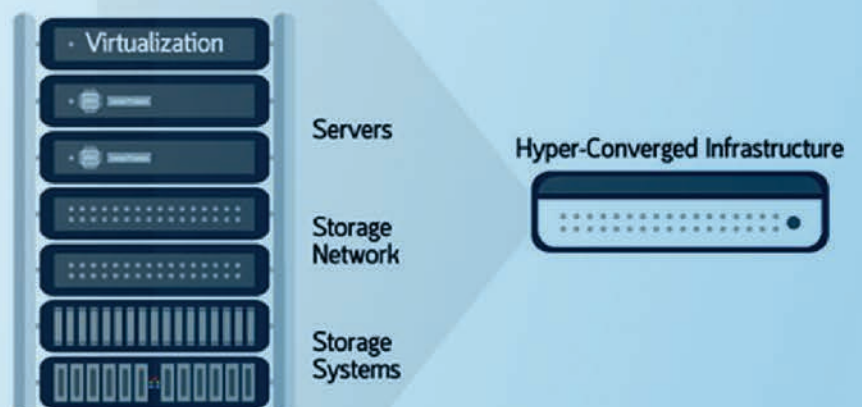
# HYPER CONVERGED INFRASTRUCTURE

## Hyper Converged Infrastructure ?



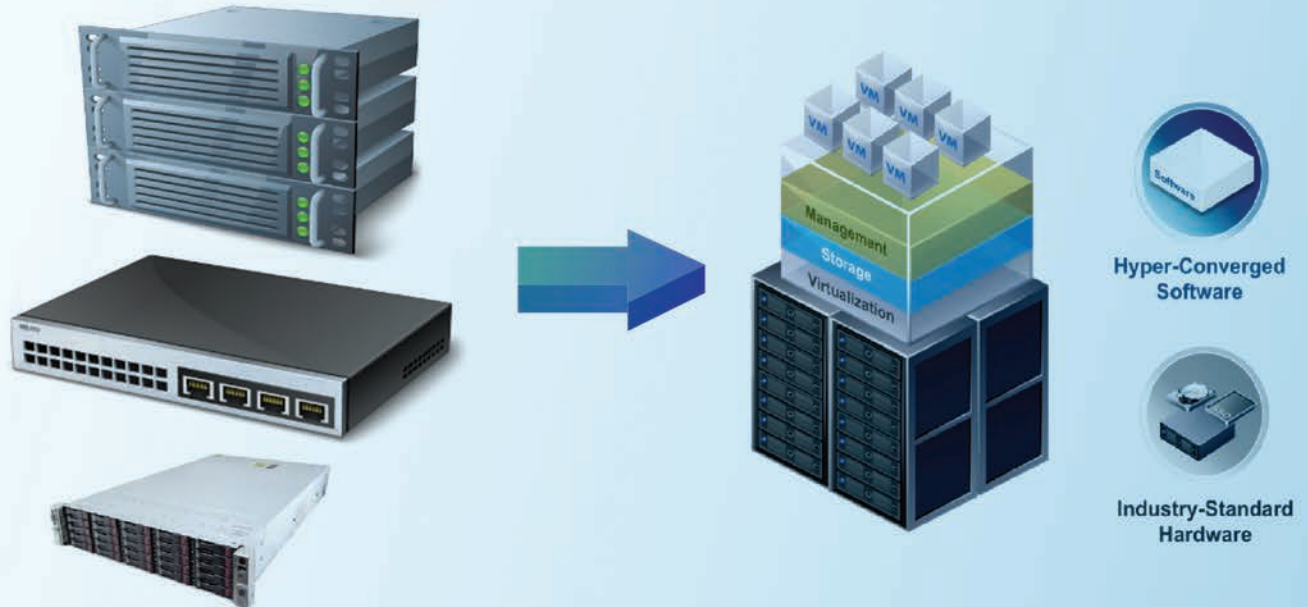
## Hyper Converged Infrastructure – Conceptual

**Hyper-converged infrastructure** is a software-defined IT infrastructure that virtualizes all of the elements of conventional hardware-defined systems. HCI includes, at a minimum, virtualized computing, software-defined storage and virtualized networking. HCI typically runs on commercial off-the-shelf servers



## Why ? “Hyper Converged Infrastructure”

- New Converge Infrastructure offering utilizing **Software Defined Storage**
- Tight Integration of **x86 Server for compute and storage, Networking and virtualization** in all-in-one appliance packaging
- Integration of **hypervisors** and **physical infrastructure**
- Simple scale one unit/appliance at a time
- Simple deployment measured in hours
- Centralized management, intuitive UI



## Hyper Converged Infrastructure - Summary

### The advantages of HCI

- Simplicity
- Simplify Deployments & Operation
- Increase Flexibility
- Cost efficiency
- More efficient and performance

### HCI Use Cases

- Consolidating the Datacenter
- Deploy Virtual Desktop Infrastructure
- Perform Testing and Development
- Remote Management

## Hyper Converged Infrastructure

