

Technology Solutions & Distribution

Enabling a secured,
efficient and
seamless IT



The Business Landscape



The dynamism of today's business landscape and exponential data growth have challenged CIOs and IT Managers to build an enterprise IT infrastructure that not just delivers excellent service standards to customers, but also robust enough to weather fluctuating external and internal demands.

IT has evolved from data processing to business information systems that allow organisations to better leverage timely information to deal with suppliers, stakeholders and customers alike. Pivotal to achieving these aims is selecting the right enterprise technology solutions for your organisation — one that offers high reliability, availability and serviceability (RAS).

In short, you need a partner who can help deliver what you want. And much more.

Your Challenges

What challenges are CIOs and IT Managers facing today? Here are some of the top concerns:

- **Exponential Data Growth and Demand** It is beyond just providing a solution for storage space. It is about managing the information life cycle to ensure availability of new or customised data and moving it to a more cost-efficient archival storage over time.
- **Cost and IT Efficiency** In view of declining IT budget and improving profit margins through IT, CIOs must be resourceful in restructuring IT to raise its productivity and agility. There is a need to modernize the technical infrastructure as new technologies offer lower cost, use less energy, deliver better performance and provide greater capacity.
- **Cost-effective Security** Given the complex matrix of internal and external threats, there is a need for sophisticated yet cost effective protection to ensure security at every touch point.
- **Technical staff is always in a reactive mode** Many of the senior technical staff is spending at least 90% (some closer to 98%) of their time fighting fires—always fixing production problems, troubleshooting, attending to help calls, and so on. Instead, these valuable resources



should be spending at least 80% of their time designing and building the proper infrastructure to improve business processes and to innovate.

- **Point fixes versus enterprise solutions** When technologies are separated by walls, they cost the IT department tremendously, as each group tries to resolve its own issues without looking at the big picture.
- **Organisations structured to focus on technology rather than RAS (reliability, availability and serviceability).** Putting RAS on the back burner causes an unstable infrastructure with unhappy customers. RAS processes should be put in place to include change and problem management and ensure accountability for enterprise-wide IT processes.
- **Lack of dynamic enterprise solutions for dynamic business evolution.** Business has been evolved drastically over period of times especially during the challenging economic times, dynamic enterprise solution is crucial to help the business to grow and achieve cost efficiencies during different seasons.

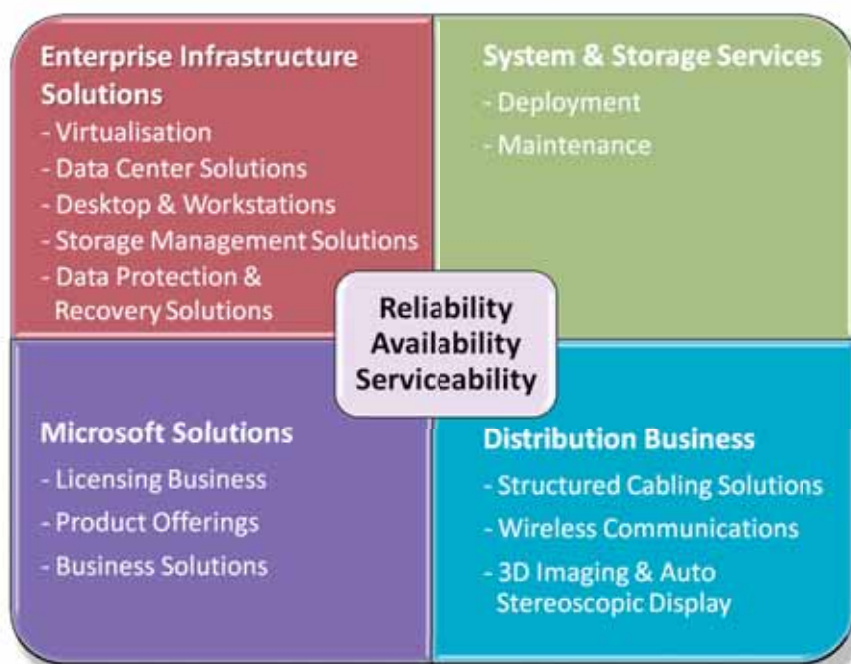
NCS Offers Reliability, Availability and Serviceability (RAS)

As an independent system integrator, NCS is able to provide the best-in-class enterprise technology solutions and to deliver a complete suite of server and storage integrated solutions.

This is coupled with our expertise and rich customer portfolio. We are able to align fully to your dynamic business objectives and priorities to ensure operational excellence. Providing you full reliability, availability, and serviceability (RAS) in your corporate IT environment.

Our extensive technology solutions and distribution include:

- **Enterprise infrastructure solutions:**
 - Virtualization
 - Data Center Solutions
 - Desktop & Workstations
 - Storage Management Solution
 - Data Protection and Recovery Solutions
- **System & Storage Services**
 - Deployment
 - Maintenance Services
- **Microsoft Solutions**
- **Distribution Business**



NCS Technology Solutions & Distribution Framework



Enterprise Infrastructure Solutions

Virtualisation

Less is more



Exponential data growth in today's businesses results in rapid expansion of system and storage to accommodate a new capacity. Silos of server and storage systems have been put in place to address the demanded business requirements result in complex IT management and resources inefficiency.

Let our experienced solution architects work with you to put in place the right consolidation strategy that simplifies and optimizes your existing infrastructure. It ensures high performance and service availability to your demanded business units through virtual infrastructure at maximum cost efficiencies.

Virtualization Solutions & Services	
Competency Services	Your Benefits
<ul style="list-style-type: none"> Designing, installing and configuring server consolidation and containment. Providing consultancy services on resource capacity and optimization planning. Designing and building Business Continuity Plan and Disaster Recovery Solutions. Designing, installing and configuring Virtual Desktop Management. 	<ul style="list-style-type: none"> Tapped on a large pool of NCS Certified Professionals and Technical Consultants from technology leading partners. Achieved bottom-line results by reducing infrastructure costs. Respond faster to business and operational needs. Simplified operations and increased efficient use of resources. Deployed scalable strategy to meet organizational changes.

 <p>Infrastructure Optimization</p> <ul style="list-style-type: none"> > Server consolidation & containment > Reduce operating costs: space, power, cooling, resources 	 <p>Business Continuity</p> <ul style="list-style-type: none"> > Reduce planned and unplanned downtime > Simplify disaster recovery 	 <p>Desktop Management</p> <ul style="list-style-type: none"> > For enterprises and end users > Improve security and mobility > Anytime, anywhere access 	 <p>Software Lifecycle Automation</p> <ul style="list-style-type: none"> > Rapidly provision machines > Improve software quality & utilisation > Automated management
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Virtualisation Approach



Data Center Solutions

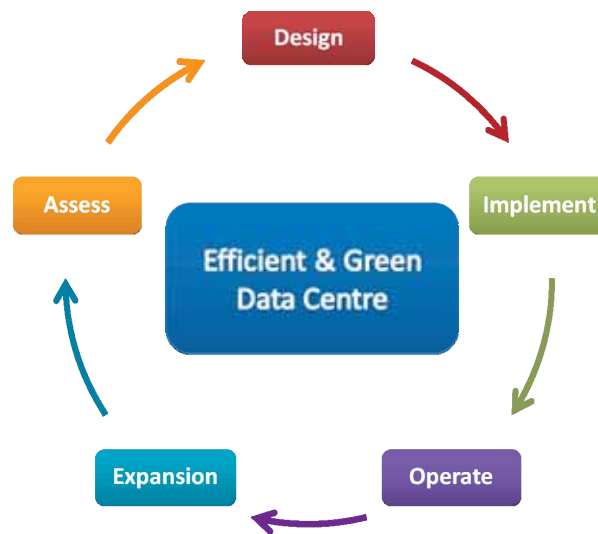
Your one-stop high-availability dynamic data center solutions

Your data center is growing beyond your means and you face rising difficulty to improve on its infrastructure service delivery. You are expected to further reduce business risks and operational cost. And you want to maximize energy efficiency in order to ensure uninterrupted operations and to minimize adverse environmental impact.

These real problems could have been better handled if right assessment has been carried out for any data center upgrades. After all, benefitting from cost savings should be the top priority.

NCS is able to help organizations solve their data center management issues through tested methodology and industry practices that put them back in control.

We specialize in planning, designing, engineering, constructing, monitoring and maintaining your dynamic data centers or server rooms that integrate best-of-breed, critical infrastructure technologies to achieve high availability, scalability, redundancy, fault-tolerance, manageability, and maintainable data center environment with our trusted technology partners.



Data Centre Solutions

Data Center Solutions	
Competency Services	Your Benefits
<ul style="list-style-type: none"> ▪ Security and Environmental Management solutions. ▪ Emergency Power and Cooling Distribution Solutions. ▪ Efficiency Capacity & Change Management Solutions. ▪ Thermal Containment Solutions. ▪ Solutions for Network and Wiring Closets. ▪ Surge Protection and Power Conditioning. ▪ Small Data Center Solutions. ▪ Mid-sized Data Center Solutions. ▪ Large Data Center Solutions. ▪ Data Center Assessment Services <ul style="list-style-type: none"> ▫ Audit Services (Power and Cooling) ▫ Thermography ▫ Wiring Closet ▫ Blade Server Readiness ▫ Electrical Efficiency ▫ Verification of Electrical distribution system. 	<ul style="list-style-type: none"> ▪ Tapped on large pool of NCS consultants. ▪ Optimized energy efficiency. ▪ Simplified management. ▪ Improved IT services delivery and availability. ▪ Reduced business down time and risks. ▪ Recouped investments. ▪ Strategic alliances with many trusted Data Center Technology Partners such as APC, Emerson, etc.



Desktop & Workstations

Simplifying IT for operational excellence

The complexity of IT can slow down even the most tightly run organization.

NCS is able to help to simplify IT by reducing cost and increasing efficiency. By speeding up deployment and configuration of your desktop and workstations, you can reclaim wasted time and redirect it towards growing your business.

We provide a full range of desktop and workstation computing solutions that includes:

- **Notebooks/Laptops**

From ultra-portables weighing less than one kg to executive powerhouses incorporating the latest microprocessors from Intel, NCS carries the whole range of Notebooks and Laptops to meet your work requirements.

- **Desktop/Workstation**

We can make innovation a daily business practice instead of a long-term goal. And that will result in a faster, better and smarter enterprise. Your desktop/workstation can be specially tailored to suit the unique needs of organization structure and work functions.

- **Tablet PC**

Tablet PC comes in the form of a laptop or slate-shaped mobile computer, equipped with a touchscreen or graphic tablet. It is increasingly popular because of their versatility and potential for one-touch usage without keyboards or mice. Enabling quick hands-on writing and one-touch informational display.

From providing stable and dependable PCs to incorporating innovative workstation solutions, NCS being an independent system integrator, is able to plan, design and engineer the best computing solutions for your organization. This is coupled with proactive system maintenance and support services. Providing you a competitive edge for a faster, better and smarter desktop and workstations solutions.

Storage Management Solutions

Achieving Efficient Storage Management

The Internet has opened the floodgates to information. The inevitable result of this is the need to store and manage data for convenient access. Our full suite of storage services revolve around the storage management life cycle of:

- **Assessment:** Identifying storage investments and risks. Understanding the key business requirements and identifying existing gaps within the existing infrastructure.
- **Design:** Providing solutions according to storage requirements. Architect the best fit storage strategy and solution to meet business objectives.
- **Deployment:** Selecting and implementing the storage solution implementation and deployment of solution, including testing, commissioning and user acceptance.
- **Service Functions:** Rolling out secondary storage, backup and recovery requirements.
- **Management and Optimization:** Developing and managing storage process and procedures. Continuous approach to manage storage processes and storage life-cycle management to optimize storage utilization and satisfy changing requirements over time.

Data Protection and Recovery solutions

Securing A Legacy of Data

It is imperative that businesses protect their data effectively as information represents their most critical assets. NCS offers a wide range of solutions that includes:

- **disk-based backup**
- **enterprise tape backup**
- **archiving solutions**
- **data de-duplication**
- **point in time snap-shot copies etc.**

to meet increased demand and expectations on service level for backup, recovery and compliance objectives.



Microsoft Solutions

Optimising Your Organisational Performance

NCS is the GOLD Certified Partners for Microsoft Solutions. We are also appointed as the Large Accounts Resellers (LAR) for Microsoft on Enterprise Licensing Business. We ensure successful deployment not just by offering the latest products and solutions available but also providing you efficient, cost-effective and customised solutions by our fully-trained professionals.

Planning Services	<ul style="list-style-type: none"> • Business Value Consulting: TCO and ROI of implementations • Application Compatibility Services – determine compatibility with existing applications
Integration Services	<ul style="list-style-type: none"> • Desktop Deployment: Installation, Services, PC & Document Migration • Application Compatibility Services: Testing, Debugging & Repackaging/ engineering of custom applications
Support Services	<ul style="list-style-type: none"> • Asset Management: Tracking PC inventory, software licenses, hardware & software purchases, warranty & contract renewals • Software Maintenance: Predictive/preventive & support-related software maintenance • Support/Helpdesk: Phone & online support, remote diagnostics, onsite software support & parts repair
Training Services/ Others	<ul style="list-style-type: none"> • IT Training: Windows Deployment, Support and Maintenance • Others: Infrastructure integration on Windows features such as Direct Access, BranchCache™, Search Federation, and BitLocker™

NCS' Suite of Microsoft Offerings

Microsoft Solutions	
Offerings & Services	Your Benefits
<ul style="list-style-type: none"> ■ Offer Full suites of Microsoft Volume Licenses: <ul style="list-style-type: none"> □ Enterprise Agreement, Select Agreement □ Campus Agreement □ School Agreement □ Online Subscription □ ISV Royalty licensing □ Services Provider Licenses, etc ■ Provide Software Assurance for Volume Licensing maintenance ■ Implement and deploy Microsoft Products and Business Solutions. To highlight a few: <ul style="list-style-type: none"> □ Microsoft Active Directory □ Unified Communication □ Business Process Management □ Business Intelligent □ Service-Oriented-Architecture □ .NET, etc ■ Deploy Microsoft Products Offerings <ul style="list-style-type: none"> □ Windows Servers □ Office System Suite of Products □ Windows Desktop and Servers Deployment ■ Deploy Microsoft Business Solutions <ul style="list-style-type: none"> □ Microsoft Databases □ Microsoft Dynamics □ Identity and Security □ Live Services □ Online and Hosted Services □ Web Solutions □ Microsoft System Center □ Virtualization implementation 	<ul style="list-style-type: none"> ■ Tapped on NCS proven track record in successful implementation and deployment ■ Leveraged on NCS' team of Microsoft Certified Professionals (MCP) and Microsoft Certified Systems Engineers (MCSE) and in-depth domain knowledge ■ Maximised the business value from your technology investment ■ Reduced cost of software license acquisition, software asset management and technology development ■ Experienced customised solutions at lower costs and increased operational excellence



Systems and Storage Deployment

A legacy of enabling an efficient IT!

NCS offers a complete range of system and storage services to ensure that your business is always at the peak of service availability to address any business requirements through efficiency integrated IT infrastructure.

System and Storage Deployment	
Enterprise IT Services	Your Benefits
<ul style="list-style-type: none"> ■ Deployment of all systems and storage from desktop management to systems and storage management. ■ Migration and Relocation services for systems and storage. ■ Architecting and designing the whole IT infrastructure (design system & storage management schemes). ■ Performing capacity-planning studies and identifying capacity shortages. ■ Diagnosing and resolving unique and complex systems and storage problems. ■ Participating in the disaster-recovery process. ■ Installing related program products and support tools. ■ Supporting in configuration management systems and storage. ■ Supporting mission-critical business systems by providing reliable system software, including operating systems and associated applications. 	<ul style="list-style-type: none"> ■ Received professional and best-in-class services as NCS is an Authorized Business and Service Partner with various vendors for over 20 years. ■ Assurance of service quality from leading. Hardware vendors (e.g.: HP, SUN, IBM, Stratus, EMC, NetApp, HDS, etc.). ■ Immediate and easy access to a pool of certified and highly skilled engineers and consultants. ■ Flexibility in provision of technical services with customized service level agreement and reports.
Consultancy Services	
<ul style="list-style-type: none"> ■ System health check for WinTel, Unix and Open systems. ■ Evaluating new products and recommending updates and upgrades. ■ Providing systems recovery services. ■ Working with user in developing standards for the mission-critical production environment. 	



System and Storage Maintenance Services

Providing you peace of mind with round-the-clock maintenance services!

NCS provides a complete range of maintenance services to ensure that your servers and storage equipments are kept in good shape for round-the-clock business access.



System and Storage Maintenance Services	
Maintenance Support	Your Benefits
<ul style="list-style-type: none"> Hardware maintenance contract and support at different customized service level, covers coverage and onsite response. Providing corrective and preventive maintenance during support. Onsite incident software support packs for customized SLA. 	<ul style="list-style-type: none"> Tapped on a pool of NCS certified consultants and engineers to be call-for-action 24 by 7. Leveraged on large pool of Hardware Spares (24 by 7, 365 days) to provide fast turnaround time. A single point of contact and accountability. Peace of mind with assurance of minimal downtime. Reduced total cost of ownership with quicker resolution time.



Distribution Business

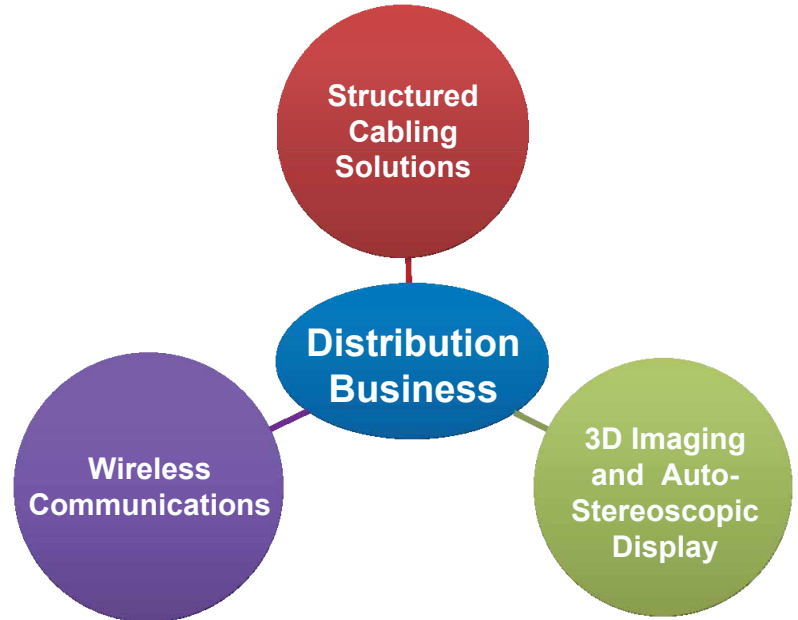
NCS' distribution arm is Singapore's largest distributor for cabling products and solutions and related accessories.

Our strong alliances with various strategic partners enable us to provide a wide spectrum of communication solutions:

Structured Cabling Solutions

In the field of Enterprise LAN Cabling Systems, NCS partners with CommScope and Nexans to offer a complete range of products and value-added services, providing improved reliability and reduced cost of ownership for Network Managers. This is coupled with faster installation time for installers.

In addition to Enterprise Cabling Systems, NCS is also supplying products from Tai Tung, Sankosha, Tyco and Corning for Telco and outdoor related deployment such as the Next Generation National Broadband Network in Singapore.



Wireless Communications

NCS also represents Proxim Wireless Corporation in Singapore as their primary distributor. Proxim is a leading provider of end-to-end broadband wireless systems that deliver the quadruple play of data, voice, video and mobility to all organizations today.

3D Imaging and Auto-Stereoscopic Display

Spatial View pioneers in 3D image processing and auto-stereoscopic display. Headquartered in Canada, with R&D and engineering coordinated by Spatial View GmbH, Germany, the company develops products and solutions that transcend the boundaries of 2D imaging, opening new dimensions and interactive solutions for many industries, including medicine, engineering, geo-informational systems, gaming, digital advertising, design and entertainment. NCS distributes Spatial View 3D products in selected territories of the Middle East and Asia Pacific to make 3D more accessible, affordable, versatile and inspiring.

NCS has been in partnership with many vendors for years and the countries of cooperation include Singapore and a widespread of regional businesses throughout the Asia-Pacific.





Our Partners

NCS leverages on our strong relationships with leading partners to provide best-in-class technology solutions that optimally meet your needs.



Elite Partner



1st Tier Partner



EMC Velocity Premier Partner

EMC Authorised Services Network Partner



GOLD Certified Partners

Large Accounts Reseller (LAR) on Enterprise Licensing Business



Network Solution Partner

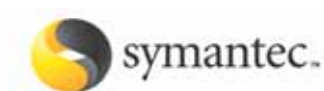


Principal Partner

Premier Business Partner



Premium Business Partner (PBP)



Symantec Platinum Partner

Platinum Partner



Premier Business Partner



Premier Partner

Authorized Consultant

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