

# Intelligent Building

Empowering Innovation



# The Business Landscape



## Connectivity/Infrastructure

The key axiom for many business would be access to “Information Anytime, Anywhere”.

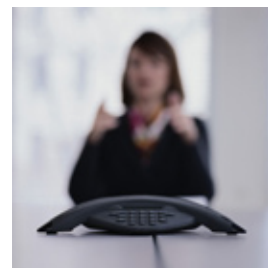
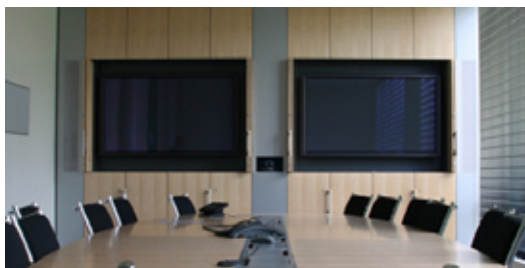
With this in mind, NCS is able to provide the necessary backbone infrastructure to cater for the demands of today and ensure scalability for the demands of tomorrow.

Our applications and solutions include:

- Communication channels
- Enterprise Networks
- Satellite Communications
- Green Data Centre
- Wireless Connectivity
- Trunk Radio Networks
- Backend Servers
- Cloud Computing
- Structure Cabling
- Multimedia Audio Video Conferencing

Structure Cabling is the foundation of a successful Intelligent Building Network and the basic investment on which all other network equipment depends.

The crux lies in the ability to implement, integrate and deploy the various systems, so that the system can improve the experience of the people within the premises.





## Holistic Security

### Protecting Your Investments, Your Tenants

Of importance to many property owners is the provision of a safe and secure environment for tenants to work and play, as well as to protect the investment and to ensure its long term viability. Taking centre-stage in today's context is the focus on security and the ability to respond effectively to any arising emergencies.

### Tailoring to Your Security Needs

We provide the necessary solutions in your specific environment to provide you a peace of mind and to allay any safety concerns that you may have for your investment.



Following our comprehensive security methodology and by using state-of-the-art monitoring systems, potential threats can be identified. This will provide the users with the ability to respond effectively to the situation at hand. Solutions can be explored for the prevention, monitoring, identification and response to threats and emergency situations in your environment and context.

By harnessing latest technologies, we are able to minimise and prevent the occurrence of such emergency situations. Examples are:

- Intelligent Video Surveillance Systems/ Video Analytics
- Secure Communication Devices
- Command & Control Centre
- Auto-detection Systems
- Physical Security and Barriers
- Biometrics Identification Systems/ Facial Recognition Systems
- Emergency Management
- Public Address System

## Building Automation

The value proposition, when considering building automation, is one of costs savings, for both the tenant and the owner, as well as facilitating the experience of people who live, work and play in the building.

Organisations can implement new business processes on the fly which brings greater visibility in managing critical processes like Crisis Management, Enterprise Energy Management and Security System Management.

For example, lights could be turned on and off automatically, and air-conditioner could be turned down in a given area once everyone has left at the end of the meeting or work.

The elevators can predict the carry load and move to the necessary level to meet the demand, for instance, ground levels in the morning and upper floors during lunch and evening times.

We are able to provide solutions and integrate with the following applications:

- Lift, Lighting and Air-condition Systems
- Intelligent Access Control Systems
- Smoke and Fire Detection Systems
- Communication Systems
- Carpark Monitoring Systems
- Facility Management Services
- Video Surveillance Systems





## Lifestyle and Infotainment

Lifestyle and Infotainment will be the area that truly defines an intelligent building from another. It provides the user experience which will enable people to enjoy the time living, working, playing and learning spheres. Depending on your requirements, NCS is able to provide a wide variety of solutions to meet them.

Every individual is a unique person with unique needs. Our design philosophy "One Identity, Multiple Touch Points" delivers personalised services to every unique individual over multiple touch points. With this "One Identity" for every user, we can provide an integrated services over multiple touchpoints:

- Web And Mobile Portals
- Digital TV Application
- Online Reservations, Booking
- Information Display Systems
- Gaming And Video On Demand
- Child Location Based Service
- Profiling And Personalisation
- Loyalty System
- Customer Relationship Management
- Mall Management System
- Point-of-Sales And Payment System
- MApps - Wireless Projection
- Visitor Management System



NCS' value is to keep abreast of the latest developments and to bring value to the customer by integrating technology with your business so as to deliver the end-result you want.

### One Identity, Multiple Touch Points





## Intelligent Society Intelligent Building

### NCS' Vision in Providing Intelligence for Buildings

In the modern environment of today, people demand more from the environment in which they work, live, play and learn. They expect their habitat to be safe, comfortable, well-connected and environmentally friendly.

### Conceptual Framework

The essence of Intelligent Building is about providing an "Experience for All". It will be an experience of seamless convenience and maximum security. It is about the delivery of the highest level of services to your users in a natural and unobtrusive manner.

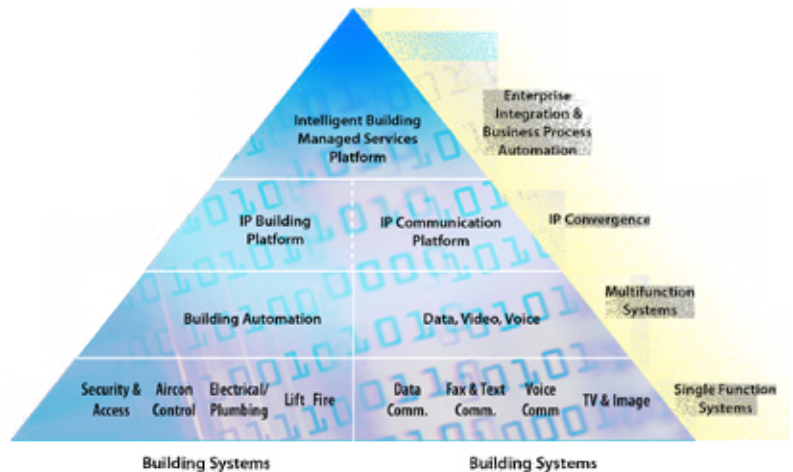
"Intelligent" buildings that use standards and convergence will achieve higher asset utilization, improved cost structure and increased productivity. Intelligent Building can greatly enhance the value and unleash the potential of the premise for a lifetime.

Integrating diverse systems into a single platform, we can deliver solutions for:

- Office Buildings and Commercial Buildings
- Retail and Shopping Malls
- Resorts and Entertainment Parks
- Education
- Healthcare
- Hotels
- Banking
- Smart Homes



NCS' vision in Providing Intelligence for Buildings



Conceptual Framework



## Business Value

### Operating Efficiency

- Reducing total cost of ownership
- Enhancing Productivity
- Generating New Revenue

### Interoperability

- Ease of Implementation
- Integration of Multiple Building Systems

### Unified Single Platform

- Single Platform
- Integrated maps

### Business Process

- Improved Service Levels
- Streamlined Operations
- Real time Business Intelligence

### Environmental Friendly

- Going “Green” – reduction in consumption of energy

## Exploring the Intelligent Possibilities with NCS

With our extensive experience, depth of competency and strong alliances with leading industry partners, NCS can provide you with a comprehensive and cost-effective solution.

Leverage on NCS’ 25 years of experience in implementing best-of-breed technologies to create business value for you and your end users. Come and explore the limitless possibilities with us.

NCS’ solutions in Building Intelligence can be broadly segmented in the following, namely

- Connectivity / Infrastructure
- Holistic Security
- Building Automation
- Lifestyle and Infotainment

