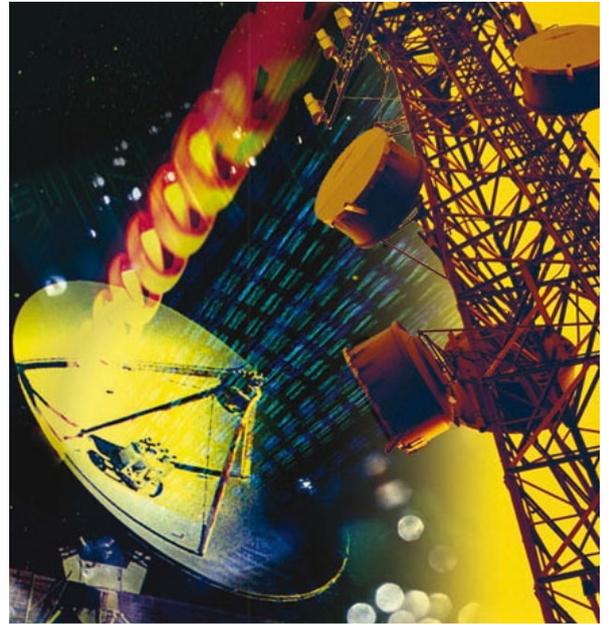


Communications Engineering

Connecting Lives





About NCS Communications Engineering

NCS Communications Engineering (CE), the communications engineering arm under NCS Group, offers a complete suite of solutions and services that include consultancy, facilities management, airport systems, telecommunications infrastructure, enterprise infrastructure, multimedia video conferencing and intelligent building technologies. With a staff strength of some 450 IT engineers and professionals, NCS CE has developed and managed solutions for customers spanning across many industries such as defence, education, banking and finance, healthcare, manufacturing, telecommunications, transportation and the public sector.

With unrivalled knowledge in these key industries and over 30 years of experience in providing turnkey solutions, as well as aviation engineering support, NCS CE is well poised to help enterprises, both locally and regionally, grow their business and be at the forefront of technology.

Our solutions offering is categorised under these four main areas:

- Communications
- Security
- Multimedia
- Internet of Things



Connecting Lives

Every day, we come across communications engineering solutions that transform and improve our quality of living. The pervasiveness of technology and consequently, the evolution of consumer demand have shaped the way communications are now being brought to each and every one of you. Be it a simple phone call, a smooth drive on the road, a unique retail experience or a timely flight out of the country, all these are made possible with the aid of communications engineering solutions.

NCS plays a pivotal role in providing the backbone of these services that in one way or another make our world a better place to live in.

1. Satellite Communications ■ Connecting everyone regardless of geographical location

2. Energy Management System ■ Measuring and monitoring for efficient energy usage

3. Electro Optics ■ Looking beyond borders for homeland security

4. Information Display System ■ Effective communications through dynamic, real-time content

5. Air Traffic Management ■ Bringing safety to the world's best airport through reliable air and ground communications

6. Radar ■ Detection and monitoring of moving or fixed objects for efficient control

7. Navigation Aids ■ Reliable navigational information for takeoff and landing guidance for aircraft

8. Unified Communications ■ Enabling users to communicate and collaborate in real time through telepresence and video conferencing

9. AV System & Mapps ■ Increasing productivity with seamless, secured & wireless presentation

10. In-building & Outdoor Engineering for Mobile Networks ■ Providing reliable network coverage for mobile communications

11. Optical Network Cabling ■ Wiring up the nation with the Next-generation Nationwide Broadband Network

12. Operational Support System ■ Supporting decision making through better control, monitoring and analysis

13. Integrated Security System ■ Securing our home and infrastructure 24/7

14. IP Network Engineering Services ■ Providing network for the increasing needs of Internet traffic

15. Transmission Network ■ Building the backbone optical network for high bandwidth coverage

16. Interactive Kiosk System ■ Enjoying convenience through self-service kiosk

17. Tunnel Communications ■ Delivering network to trains and underground road tunnels

18. Radio Frequency Identification (RFID) Solution ■ Immediate, reliable and up-to-date tracking of assets

19. Video Wall System ■ Large display system for situational awareness and operational readiness

20. Radio Communications ■ Wireless communications solution to support military and commercial operations



Highlights of Key Solutions

Communications

The proliferation of technologies has resulted in evolving consumer demands at rapid pace. Service providers, faced with the challenges of meeting these demands, are focused in making organisations more productive and responsive.

At NCS, we help enterprises respond to real world business challenges with solutions that drive productivity, improve performance and reduce costs. With over 30 years of experience in providing turnkey communications solutions for the airport and aviation industries, NCS is your preferred choice for reliable and secured integrated communications solutions.

Our suite of communications solutions includes:

- Air Traffic Management
- Satellite Communications
- Electro Optics
- Radio Communications
- Radar
- Navigation Aids
- Mobile / Cellular Communications



Security



Over the past years, there have been increases in the number of events that have compromised security, be it for the environment, asset or people. While we now live in a world that is highly susceptible to terrorist threats and natural disasters, we must be mindful that security remains a top priority for every nation and enterprise.

To safeguard properties and assets, it is important to recognise security as an integral component of every business. Enterprises need to anticipate, identify and continuously review the possible security threats before putting in place the necessary protective measures.

Recognising the importance of security to mitigate risk, NCS is constantly updated and keeping pace with new technology. At NCS, we offer an extensive range of security solutions to protect your infrastructure, assets and lives. Our expertise includes consultancy, design and implementation of bespoke security solutions that meet the needs of corporations of various scales.

Our suite of security solutions includes:

- Anti-terrorist Solution
- Intelligent Surveillance
- Multi-System Implementation
- Individual Sensory output
- Intrusion, Detection & Analysis



Multimedia



In today's world where content is key, it has become a common practice for companies to leverage on multimedia technologies to increase their reach, engagement and measurability. The pressures to keep costs low and improve communications and efficiency have contributed to the increasing growth of the multimedia market.

An effective and reliable multimedia communications system is essential to all businesses striving to take communications to the next level. Multimedia solutions are fundamental tools in the retrieval and dissemination of data information and for conducting of face-to-face communication sessions between colleagues, business associates and customers across vast geographical boundaries. To fight for market attention, enterprises are looking for ways to reach out to their target audience with engaging, dynamic and highly interactive information.

As a market leader in real-time multimedia communications in Singapore, NCS brings value to enterprises seeking innovative and state-of-the-art multimedia technologies with customised multimedia solutions to fit every business need.

Our suite of multimedia solutions includes:

- Information Display System
- Interactive Kiosk System
- Video Wall System
- Integrated AV /ICT System
- MApps
- Telepresence
- Audio & Video Conferencing
- Record and Replay Solution

Internet of Things

Imagine a world where cars communicate with each other to avoid collisions, or where consumers modify their electrical usage based on information from smart meters. These are possible scenarios and they are made possible with the Internet of Things, where things and devices are interconnected and can interact to touch our lives. The Internet of Things reformulates our relationship with objects by creating memories in objects, devices and the environment through communications like Radio-Frequency Identification (RFID) tag. The applications are far-ranging and would make radical changes to the way consumers receive information and make decisions.

As technology evolves, we see how inter-connecting devices lead to an infrastructure that brings intelligence to normal objects that we come across on a daily basis. We are expecting things to utilise the Internet in ways that will reduce cost, create value, improve responses and enhance experiences for enterprises and consumers.

Enterprises can deliver great value and experiences by building intelligence into their things.

Our suite of Internet of Things solutions includes:

- Energy Management System
- Smart Metering
- Video Analytics
- Unified Interactions System
- Mobile Location-based Service