

CET Technologies Pte Ltd
100 Jurong East Street 21
Singapore Technologies Building
Singapore 609602

www.stee.st.com.sg /
www.cet.st.com.sg

Pioneering InfoCommunications

CET Technologies

Vision

To be a global world-class system house for Communications, Electronics and intelligent Transportation systems

Mission

To deliver innovative products and solutions in Communications, Electronics and intelligent Transportation systems that exceed customers' expectations and constantly create value for our stakeholders

Our Company

CET Technologies Pte Ltd (CET) is a wholly-owned subsidiary of Singapore Technologies Electronics Limited (ST Elect). ST Elect is one of the largest electronics system houses in the region which specialises in the design, development and integration of advanced electronics systems for commercial, defence and industrial applications worldwide. Established in 1969, ST Elect has achieved a firm global presence covering mainly the Asia Pacific region, marketing its products to more than 50 countries worldwide. Its expertise spans three business groups: Communication and Sensor Systems; Software Systems; and Large-Scale Systems. CET contributes to the group's capabilities under the Communication and Sensor Systems Group.

With extensive skills, knowledge and expertise accumulated over two decades, CET has grown into a

leading solutions house in the region for communications, electronics and intelligent transportation systems.

Understanding the need for highly integrated, reliable, efficient and yet cost-effective infocommunications systems, we have become a one-stop solution house for our customers. From design, development and production to systems integration, maintenance and system upgrade, we integrate all processes which are crucial and critical to our customers.

We cater to the commercial, enterprise, industrial, defence and public safety sectors. We work closely with our customers to provide customised solutions with uncompromising quality when required.

Our dedicated manpower is our extensive resource for engineering and prototyping. Our manufacturing

plant in Singapore, which spans 50,000 square feet, is equipped to handle high value-added and medium volume production. From Asia right across to the United States, we work with a wide network of strategic partners to ensure that the solutions and services we deliver are the best.

Leveraging on ST Elect's growing global presence in Australia, China, Hong Kong, Korea, Malaysia, Mexico, Taiwan and the United States, we have successful reference points for our core business expertise. These include intelligent traffic and advanced fleet management systems, mobile business solutions, communication systems, radio frequency products and solutions, track & trace solutions, electronics and infosecurity products and solutions. We provide our clients with the most comprehensive range of innovative leading-edge solutions.



CET's infocomm systems span the globe



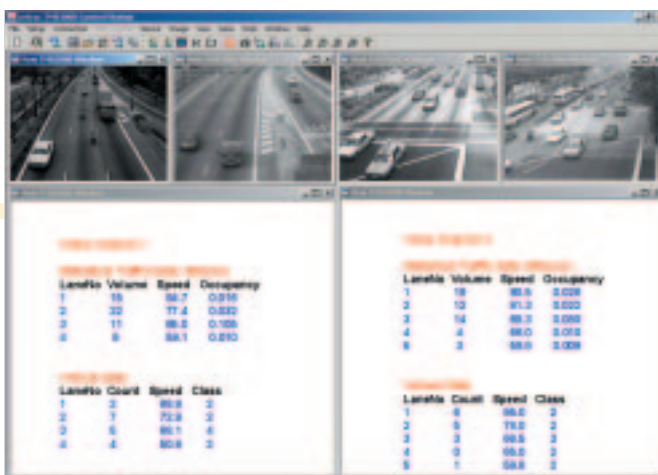
Our Philosophy

CET is not merely a supplier of products – we are your partners in innovation. We believe in long-term partnerships and are committed to providing you with innovative solutions that meet your operational needs, enabling you to achieve your strategic business goals.

Research and Development (R&D) is CET's strength and ensures that we constantly build on our capabilities. We believe that R&D

is the key to maintaining the strong foothold we have in the market and with our customers. Our emphasis on R&D has contributed to our success in being granted six patents as at end 2002, with more than four others pending. This has earned us worldwide recognition for our products and solutions.

We believe that R&D is key to maintaining the strong foothold we have in the market and with our customers.



cetrac™ Traffic Monitoring System

A long-exposure photograph of a multi-lane highway at night. The image shows vibrant light trails from vehicles, with red streaks on the left side of the road and yellow/white streaks on the right. The road curves into the distance. A white rectangular box with a thin border is positioned in the upper left quadrant, containing the text.

**Intelligent solutions
for a better future**

CET Business Solutions

KEEPING CRUISE CONTROL

CET is a pioneer in the area of mobility systems. We are one of the first in the region to specialise in products and technologies required for the implementation of traffic control management, fleet management and customer relationship systems. Designed and developed in-house, our patented and multiple award-winning cetrac™ brand of Intelligent Traffic & Advanced Fleet Management Systems give transport authorities and fleet owners an edge, allowing them to reach new levels of service quality and efficiency.

Intelligent Traffic Management System

The patented cetrac™ Traffic Management System uses advanced image-processing techniques and traffic engineering know-how to process and analyse 'live' video signals and GPS-based traffic information. Together with advanced Genetic Algorithm, it enables users to make quick and accurate decisions with the highly reliable real-time traffic information provided.

Our customised solutions could include a complete implementation of urban and rural traffic systems and integration or enhancement of existing systems.

Advanced Fleet Management System

Our cetrac™ Fleet Management System greatly benefits owners of public safety vehicles and commercial fleets such as ambulances, taxis, buses and freight forwarders. This system allows nerve centres to automatically locate their vehicles through the GPS System. Real-time messages can be despatched through CET's latest in-vehicle terminals – any time and anywhere – using GPRS/GSM, Mobile Data, Conventional Radios or Trunked Radio networks.

The largest taxi fleet in Singapore has been successfully equipped with such a system by CET. We then went on to implement Taiwan's first large-scale, fully automated taxi despatch system. You can rely on us to deliver the complete range of fleet management solution. From design to development and implementation;

from tracking and tracing to enhanced security and servicing.

'm-POWERING' YOUR BUSINESSES

Today, mobility is important. Whether it is staying connected, having real-time information at your fingertips or making wireless transactions - we have just the right solution for anyone who needs it.

Wireless Connectivity

If you need to stay wirelessly connected to the internet, e-mails and corporate networks, our Ceteon 108G GPRS PCMCIA Modem Card provides the convenient connectivity.

CET's in-house developed Bluetooth™ wireless technology provides hassle-free voice and data connectivity. Our BlueNeT series include BlueGate – the gateway bridging equipment for Bluetooth™-enabled devices to fixed PSTN and LAN infrastructure. BlueAccess features the Bluetooth™ Compact Flash card with integrated audio jack for mobile devices.

GPRS PCMCIA Modem Card



Fleet Management Systems



Mobile Infocomm Appliances

If you are a professional who is constantly on the go, our Ceteon range of mobile infocomm appliances add a whole new dimension to mobility. It provides you with quick and convenient access to information and real-time data, enabling you to tap on leading-edge "m-Powerment" technology which is critical to your business. CET also offers a light-weight Ceteon which is enabled with the latest technologies for GPRS, GSM, WLAN and Bluetooth™ wireless connectivity.

Mobile Payment & Enterprise Solutions

We turn mobile phones into potent, portable electronic wallets – all that a person needs away from home.

Together with partners like Citibank and StarHub, we have launched one of Singapore's first mass-market mobile payment solutions. You can pay for country club memberships, book and pay for concert or movie tickets as well as buy goods from shops and retail outlets. Our scalable

We have delivered quality communication solutions to customers from different industries from telecommunication to industrial, commercial, defence, public safety as well as governments.

system architecture is all that you need for an efficient yet cost-effective mobile business solution.

COMMUNICATION SYSTEMS FOR BETTER COMMAND AND CONTROL

In the realm of wireless communication networks, transmission and access systems, digital switching systems and enterprise multi-services networks – CET offers a one-stop solution. We offer premium design, development, integration, manufacturing and maintenance capabilities. We have delivered quality communication solutions to customers from different industries from telecommunication to industrial, commercial, defence,

public safety as well as governments.

We have implemented an islandwide integrated command, control and communication infrastructure in Singapore for the Police Force, Civil Defence Force and Central Narcotics Bureau.

Switching Systems

SuperneT, our multi-platform broadband digital switching system offers an unprecedented quality level of services for railway, law-enforcement, shipboard and quick deployable command post communication systems. As an integrated communication system,

Mobile Payment and Wireless Communication Solutions



SuperneT is packed with features that facilitate the integration of disparate communication systems through its multi-protocol interfaces, and supports both fixed and wireless subscriber terminals to various voice and data services.

SuperneT offers a highly reliable, modular and mission-critical integrated communication system that can be fully tailored to your specific operational needs.

Infrastructure & Business Communication Systems

CET offers consultancy services and implementation of turnkey solutions for telecommunication operators, security forces, public safety agencies, port authorities, hotels, banks and large organisations.

Our expertise covers the areas of:

- Transmission networks;
- Campus-wide communication systems;
- Spectrum monitoring & direction finding systems; and

- Vehicular communication systems

Wireless Networks

For customers requiring wireless networks of the highest quality, service and reliability - our extensive experience in wide area radio communication systems is typically deployed in mission-critical applications. Some of our services include radio network planning, computer-aided coverage prediction, EMI interference and both intermodulation and radiation hazards analysis.

Our in-house developed Bluetooth™ accessories such as radio headsets, handsets and wireless speaker microphones provide maximum mobility.

ENHANCEMENT THROUGH RADIO FREQUENCY & ELECTRONICS SYSTEMS

Where communication is the most critical factor in operations, and where connectivity to real-time information cannot be compromised, our customers turn to us.

From developing and manufacturing ruggedised hardware like the handheld Short Range Radio, Tactical Radio and Secured Communication Equipment, to Advanced Combat Man System and special communication systems for defence and public safety agencies, our products are designed to meet stringent mission-critical operation requirements, even in harsh operating environments.

CET also provides Digital Audio Broadcasting solutions, a cost-effective and customised Conditional Access option for content providers who are keen to offer subscription-based programmes.

Solutions span telecom networks for island resorts to public safety & security systems for countries



TOTAL ASSET VISIBILITY THROUGH MOBILE TRACK & TRACE

Whether it is for defence, enhancing homeland security or simply managing an organisation's logistics or warehousing facility – if total asset visibility and complete information transparency are your key concerns, CET has the solutions.

We continuously build upon our track record of delivering world-class Radio Frequency Identification (RFID) system for asset tracking. Our new initiative – the Mobile Track & Trace (m-T&T) system – comprises a tightly integrated network of systems. This utilises a myriad of technologies to facilitate real-time information exchange. With an end-to-end secure, seamless and scalable architecture in place, users of the m-T&T system can make informed decisions as they are empowered with total asset visibility and real-time information.

The m-T&T component technologies include:

- Management Information System;
- Automated Identification Technologies;
- Locating & Mapping Technologies;
- Mobile Computing; and
- Wireless Communications

With m-T&T, mobile assets such as cargoes at airports, containers at ports, goods in warehouses and vehicles carrying hazardous materials can be tracked for various purposes, such as safety and security or logistics. Another application of m-T&T is Contact Track & Trace, a system which allows for the tracking and tracing of personnel in various settings and defined areas. For instance, a hospital may want to trace people who may have come in contact with a particular patient during a specific timeframe. Contact Track & Trace is also useful for use at

conferences, exhibitions, school campuses and prisons.

SECURING INFORMATION THROUGH INFOSECURITY PRODUCTS & SOLUTIONS

With the high volume of information being transacted every day, security of an organisation's communication network is of paramount concern. Our subsidiary, DigiSAFE is the leading provider of information security solutions in the Asia Pacific region. We specialise in communications and network-based information security products and services that enable organisations to conduct information exchanges and secured transactions over private or public networks.

The DigiSAFE family of products is widely used by government agencies, defence and paramilitary organisations, banks and financial institutions as well as enterprises.

Infosecurity products and in-vehicle terminals



A low-angle, upward-looking photograph of several modern skyscrapers against a clear blue sky. The buildings have various architectural styles, including glass facades and curved structures. In the foreground, a curved metal railing with red spherical ornaments is visible. A white text box with a thin border is positioned in the upper right quadrant, containing the text "Solutions for national development, stability and security".

**Solutions for national
development, stability
and security**

The solutions allow you to safeguard valuable information through advanced security measures and comprise:

- Communication Security: Encryption for data lines, ISDN, Frame Relay;
- Mobile Security: Phone, Fax and GSM encryption devices;
- Internet Security: VPN Appliances and Client;
- Data-at-rest Security Authentication devices, PC/PDA Security; and
- Content Security: Digital Watermarking and Security Applications

CUSTOMER & ENGINEERING SERVICES AND TECHNICAL SUPPORT

We are meticulous in our attention to details. CET's in-house Customer Service Centre offers a valuable 24-hour on and off-site maintenance service.

We have an established support structure, infrastructure and facilities, including:

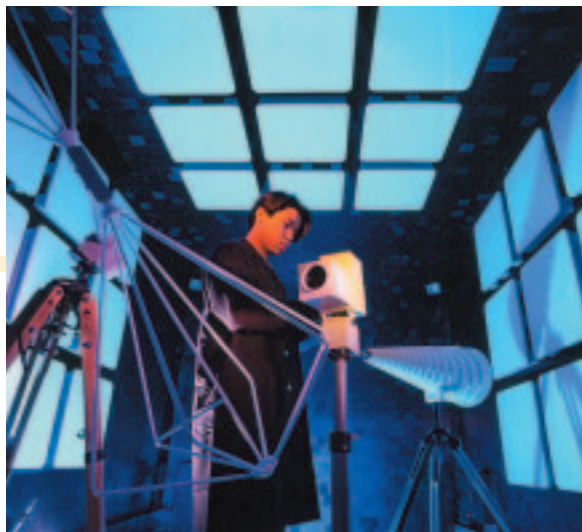
- Automatic Test Equipment Facilities;
- Environmental Test Facility;
- ISO 9001 & Military-Standard 2000 certified assembly

- and manufacturing facilities; and
- Electromagnetic Compatibility (EMC) Centre

You can also rely on our professional and value-added services, including:

- Ruggedisation: our services transform commercial-off-the-shelf equipment to meet industrial and military standards, specially tailored to withstand harsh environments and conditions;
- Architectural Shielding: for those who need or desire to protect and prevent classified data from unauthorised interception and critical electronics equipment from being impaired by hostile sources;
- Electromagnetic Interference (EMI)/EMC Test & Measurement Services: equipped with state-of-the-art test equipment and instrumentation such as semi-anechoic and reverberation

We believe that R&D is key to maintaining our long-term growth, technical excellence and competitive advantage. That is why our efforts in developing and enhancing our products and solutions are unrelenting.



*EMC test and measurement services
and customer service centre*

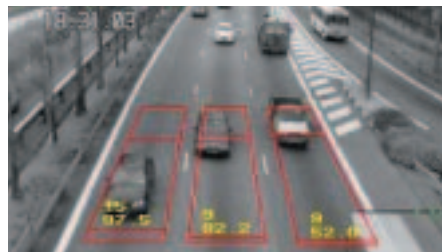
chambers, we provide Military and Commercial Standard EMI/EMC pre-compliance test services, engineering consultancy services and on-site test services for both defence and commercial customers; and

- Life Cycle Support & Customer Service: life cycle maintenance, strategic sourcing, integrated logistics support and RAM (Reliability, Availability and Maintainability) engineering are among some of the value-added services we provide to all our customers

ON-GOING RESEARCH AND DEVELOPMENT

We believe that R&D is the key to maintaining our long-term growth, technical excellence and competitive advantage. That is why our efforts in developing and enhancing our products and solutions are unrelenting.

We constantly invest in R&D for our solutions which include intelligent traffic and advanced fleet management systems, digital radio and digital audio broadcast systems, mobile track & trace system, communication systems and infosecurity, as well as ruggedised infocomm appliances and wireless products.



Unrelenting R&D efforts, award-winning solutions



Awards and Achievements

CET has been granted six patents as a result of our constant drive for product innovation and in-house breakthrough inventions. These are in the fields of intelligent traffic management, digital watermarking, radio frequency transponders and communication systems. Four other patent applications are pending.

The ASEAN Engineering Achievement Award received by CET attests to our expertise in intelligent traffic management. The award recognises our innovative development of "Image-Based Traffic Monitoring System with Wide Area Incident Detection".

Active participation in international competitions provides challenges to benchmark against the world's best. CET became Singapore's only winning entry in recent years when we won an award in the Data Communication Category at the Mentor Graphics 16th Annual PCB

Technology Leadership Awards 2002.

The Productivity and Services Board (PSB) Certification Pte Ltd has certified our Quality Management System to the ISO 9001 standard for Design and Development, System Integration and Testing, Production and Maintenance of Communications, Defence Electronics and Traffic Management Systems and Products.

In 1998, CET was inducted into the Singapore Quality Class. CET is a subsidiary of Singapore Technologies Electronics which is part of the Singapore Technologies Engineering Group, that achieved the Singapore Quality Award in 2002 – the most prestigious award in Singapore for business excellence.

Our human resource excellence has been certified to the People Developer Standard since 1999.



Cert No.: 93-1-0014
SS ISO 9001 : 2000

At CET, we embrace the world of rapid change by consistently being the forerunner in providing innovative solutions for communications, electronics and transportation systems. Our diverse range of solutions, products and services has one common goal – to pioneer and enhance communications within and amongst organisations and people, keeping one and all connected.

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100 Jurong East Street 21
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Tel (65) 6567 6769
Fax (65) 6567 6300
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www.cet.st.com.sg

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For details of our global presence,
please visit our website at
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