

www.vittalinnovationcity.com



WORK LIVE LEARN PLAY CREATE

A horizontal banner divided into five vertical panels. From left to right: 1. Green panel with "WORK" at the top, silhouettes of business professionals, and a world map. 2. Purple panel with "LIVE" at the top, silhouettes of modern skyscrapers. 3. Red panel with "LEARN" at the top, silhouettes of a group of people. 4. Blue panel with "PLAY" at the top, silhouettes of people playing sports. 5. Orange panel with "CREATE" at the top, silhouettes of trees.

India's First Green Hi-Tech Knowledge City



To create
Innovation Driven Green Cities (IDGC™),
with the vision to transform economies,
and act as a magnet to attract global talent.

Overview

Vittal Innovation City (VIC) has been initiated by a consortia of professionals with a passion to build knowledge-led industry clusters or 'Innovation clusters' that structurally integrate Industry, R&D Institutes, Universities, Technical Institutes and Community on an SEZ platform so as to provide a world class environment for the Knowledge Industry centered on '**MIND MANUFACTURING**'.

The project is a major initiative to create India's first planned hi-tech innovation eco-system along the lines of the world famous North Carolina Research Triangle (US), Hsinchu Science Park (Taiwan), Daedok Innopolis (South Korea) and the Heidelberg Technology Park (Germany).

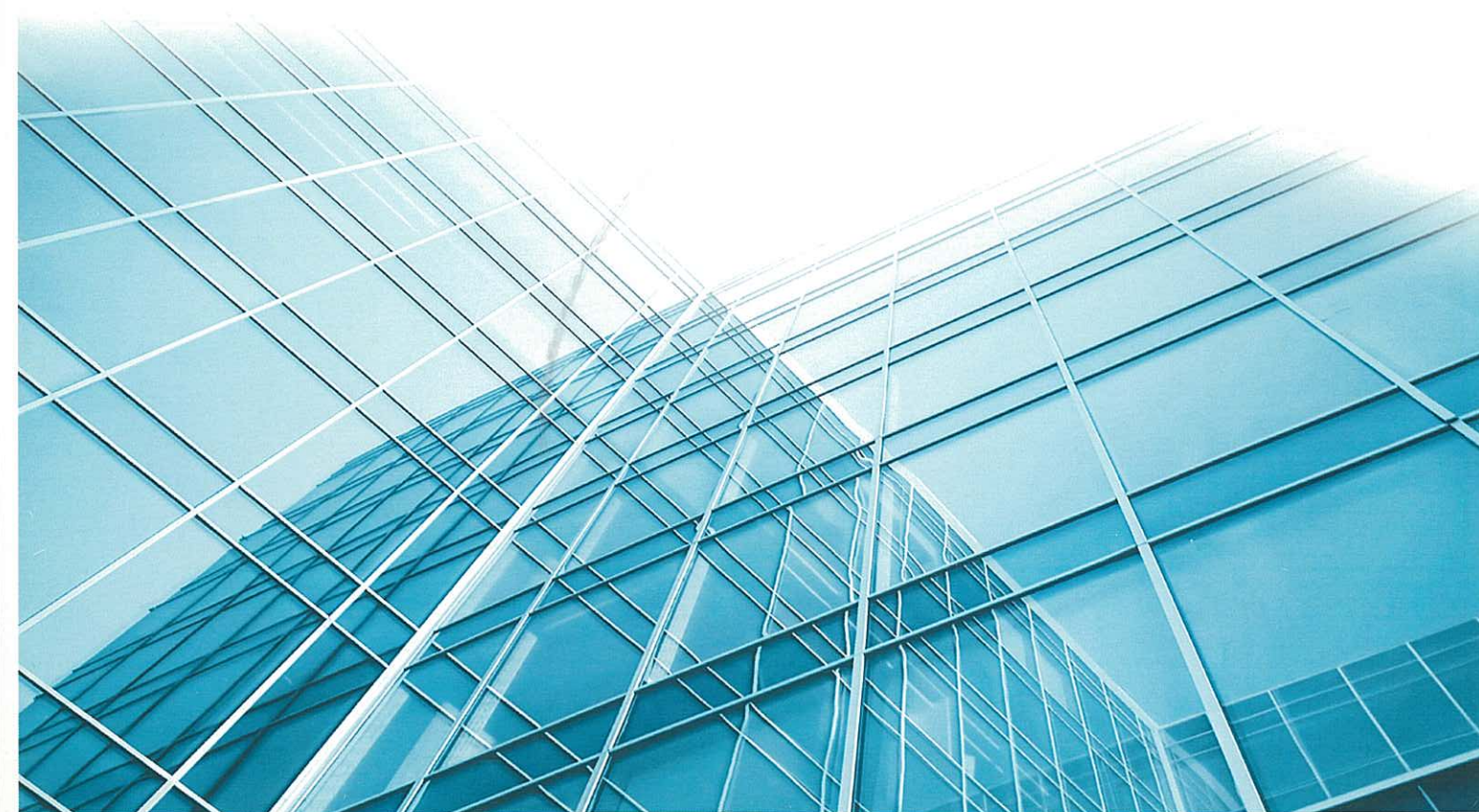
This is an effort to enable actualization of the vision to make a global Innovation hub in India, which could potentially power India into the high tech league, in addition to making innovation work for inclusive development and the common man.

The infrastructure and programs at the park are geared towards seamless integration of academia, industry and community to attract the top global talent for innovation. The eco-system created by our project will help small and medium companies build scale and access to global markets.

Vision

Our vision hinges on the values that we stand by:

- Act in a way to **Create** a win-win for all stakeholders
- Display **Integrity** in all our actions
- Pursue **Excellence** and set global benchmarks in our endeavors
- **Conserve** the environment and be socially responsible



The Complete Knowledge City

- This is a pioneering project with emphasis on **Electronics Industry**, from **Design to Manufacturing**. This "Lab-to-Fab" plan is different from the other electronics parks which are built on the sole principle of manufacturing or providing land and basic infrastructure.
- Unlike other parks, this is not a developer-led initiative rather it spearheaded by a group of eminent industry professionals and academicians. The promoters of Vittal Innovation City (VIC) have experience which cumulatively add to 200 years in establishing large business operations, and have the global contacts to ensure development of this cluster.
- VIC is well positioned as a pilot project with the Government of India in its proposed Electronics Manufacturing Cluster Park scheme.
- Skill development is the keystone to the sustained growth of any industry, more so for electronics. VIC intends to undertake skill upgrade programs to build relevant skill sets of the local population. This will help to make them employable for the needs of the various units at the park. This has the apparent advantage of contributing to the economic conditions of the region too.
- It has been globally recognized that relevant and focus education and innovation forms the backbone of sustainability and success of any industry development programs. With the long term view of nurturing talent and attracting global experts, VIC plans to build a world class Innovation University with the park. The inspiration for such an innovation city has come from the globally renowned ITRI, Taiwan.
- To ensure that the park offers its occupants a high quality of life, social infrastructure like banking, retail, entertainment, living spaces, hotels, convention centers, office spaces among others have been planned.



Key Members

Mr. N. Vittal (Padma Bhushan Awardee) - Chairman, Vittal Innovation City

Mr. N. Vittal during his years in active service has played a catalytic role in developing a then nascent software industry, mobile telephony and telecom liberalization.

He had a role in contributing to innovative concepts such as the Software Technology Parks of India (the first virtual industrial park and an example of industry friendly policy that also contributed to the explosive growth of India's software industry), NASSCOM as an institution, TIE (the Indus Entrepreneurs) as a high Tech networking powerhouse and more.

His last official position in the government was Chief Vigilance Commissioner, a complex and challenging position. In his earlier years, he has held several positions in Gujarat and been a participant in its economic and institutional development.

Mr. Narayana Murthy (Padma Vibhushan Awardee) - Chairperson Advisory Board, Vittal Innovation City

Mr. Narayana Murthy founded Infosys Technologies in 1981 which, today, is the second largest IT services company in India. Mr. Murthy retired from his executive position at Infosys on 20 August 2006. However, he continues as the Chairman Emeritus of the Board.

He served as Chairman of the National Association of Software and Service Companies from 1992 to 1994. In August 2004, TIME listed him under "Global Tech Influentials" as one of the ten leaders who are helping shape the future of technology. In November 2006, TIME again voted him as one of the Asians who have brought about revolutionary changes in Asia in the last 60 years.

Mr. Nandan Nilekani (Padma Bhushan Awardee) - Advisory Board

Mr. Nandan Nilekani currently serves as the Chairman of the Unique Identification Authority of India (UIDAI), in the rank of a cabinet minister. He became the Chief Executive Officer of Infosys in March 2002, taking over from Mr. Narayana Murthy. He served as CEO of the company from March 2002 to April 2007. He co-founded India's National Association of Software and Service Companies (NASSCOM) as well as the Bangalore Chapter of The Indus Entrepreneurs (TIE). He is also a member of 20 global leaders on the World Economic Forum (WEF) Foundation Board. He was honored as one of Asia's Power 25 and the Most Powerful People in Business in Asia by Fortune magazine, 2004.

TIME magazine honored him as one of the 100 Most Influential People in the World in May 2006 while Forbes Asia had selected him as Business Leader of the Year 2006.

Mr. Ajai Chowdhry (Padma Bhushan Awardee) - Mentor

Mr. Chowdhry led the foundation of HCL's overseas operations, starting with Singapore in 1980s to extensively covering the other South Asian Markets. HCL, India's original IT garage start-up founded in 1976, today is a Rs 26,318 crores (US \$ 5.7 bn) global enterprise.

Mr. Chowdhry also chaired the committee to draft the Eleventh Five Year plan for electronics hardware in India. He has also served as Chairman of Confederation of Indian Industry's (CII) National Committee on Technology and innovation till 2010. Mr. Chowdhry has also chaired the CII's National Committee for IT, ITES & E-Commerce, where he actively encouraged the deployment of IT in Indian SME sector (Small & Medium Industry), to increase their productivity and to make them globally competitive.

He has also been invited to Co-Chair the Advisory Group for Research and Development, in the Electronics Hardware Sector (CAREL) by the Principal Scientific Advisor to the Government of India. The core group will work coherently to synergize the efforts of the academia and the industry for promoting Research and Development in the Electronics Hardware Sector.

ELCINA - VIC ESDM Model Cluster

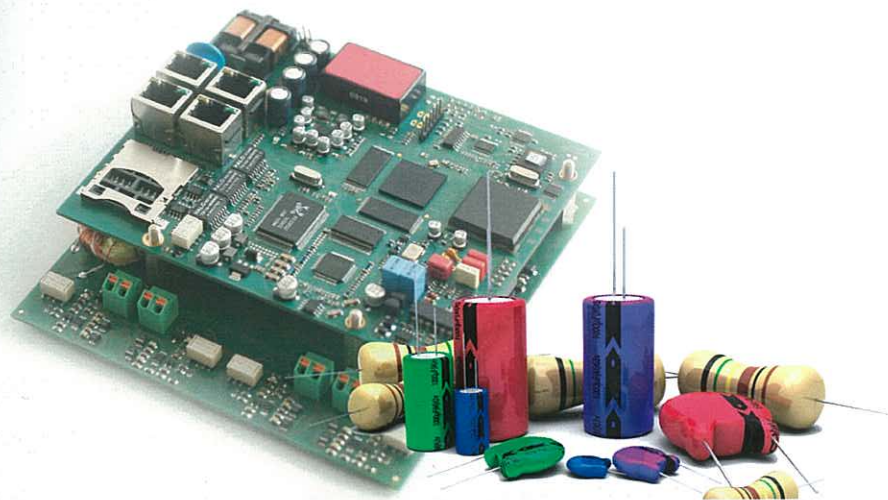
ELCINA is well known in India as an interactive association and forum for electronics and IT manufacturers. ELCINA is the largest and oldest association for the electronics industry and was established in 1967. It is an organization committed to the promotion of electronics manufacturing culture in the country. Apart from the basic objective of promoting hardware manufacturing through active representation and advice to the Government, ELCINA has been networking with national and international technical institutions and business promotion bodies to further the interests of its members and the industry at large.

ELCINA conceptualized a cluster where its members can leverage on world-class common infrastructure to become globally competitive, both in terms of price and quality. ELCINA members can collaborate to offer a broader set of services, and build full products for their customers. Vittal Innovation City is a unique pioneering cluster project spanning education, design, R&D, manufacturing and social infrastructure focused on innovation. The ELCINA-VIC cluster has been designed and conceptualized combining both the visions of ELCINA and Vittal Innovation City. This is the first initiative to establish a modern Cluster Manufacturing facility for electronics hardware which will provide a level playing field to manufacturers in India. It will give a growth spurt to small, medium as well as large enterprises in the electronics sector and also aims to attract international electronics component manufacturers to invest in India.

The Cluster would be owned and managed by the members who have manufacturing units located within the Cluster. The responsibility of running the cluster will be held jointly between ELCINA and VIC. The responsibilities of both ELCINA and VIC are as under -

- Facilitate a financial support model to promote innovation and manufacturing
- Drive innovation by building and/or supporting facilities for innovation, design and incubation, testing laboratories and other services
- Build and run the training facilities for manpower development
- Develop global relationships and partnerships for joint business and promote the cluster globally
- Provide management expertise and input for effective development
- Provide continued guidance and support to the charter and working of the cluster
- Create a master plan and develop the infrastructure of the electronics cluster to a world-class level
- Get ELCINA members committed to and to invest in starting their manufacturing operations at the electronics cluster
- Build and run the shared services model for promoting efficiency in running the cluster
- ELCINA to set up a Special Purpose Vehicle (SPV) for establishing and operating the cluster in which VIC will be an active participant
- ELCINA and VIC will promote the cluster in all relevant forums and within Central and State governments

ELCINA in partnership with VIC will set up the ELCINA - VIC ESDM Model Cluster on 100 acres of land, which has already been earmarked. This cluster will be set up under the initiatives by Department of Electronics & IT, Government of India, for the promotion of domestic manufacturing of electronic hardware including telecom equipment. This will be the first cluster in India under this initiative by GOI.



CAPA - VIC Aerospace City

CAPA is the leading global aviation knowledge practice, delivering market analysis, research and data to support strategic decision making at most of the 500 largest organizations in international aviation. Established for more than 20 years, CAPA has developed an unrivaled reputation for independence, insight and integrity. CAPA opened a New Delhi office in 2003 and is now established as the premier aviation consulting and advisory practice in South Asia, supported by the region's first and largest dedicated aviation research and data desk.

CAPA continues to develop new initiatives to support the increasing sophistication and requirements of Indian aviation. CAPA AeroPark is a unique world class aviation education and training campus to support the huge skills development requirements of the industry across every discipline.

CAPA Ventures, a capital advisory service, arranges funding for aviation and tourism projects, while CAPA Analytics will be a knowledge process outsourcing centre, providing high speed data analytics for aviation operators, to support sales, revenue and marketing strategies and campaigns.

CAPA India holds positions on numerous government and industry committees under the Ministry of Civil Aviation, the Directorate General of Civil Aviation, the Prime Minister's Office, Confederation of Indian Industry and the Federation of Indian Chambers of Commerce and Industry.

Proposed activities at CAPA-VIC Aerospace City include -

- **Aerospace manufacturing:** Manufacturing of various aircraft components, equipment and eventually assembly and manufacturing of aircraft;
- **Research and development:** Aviation design, research and development for both civil and defence aircraft, addressing issues such as aircraft design, aerodynamics; composite structures, aviation and the environment, alternative fuels, noise emissions, travel technology, safety and accident prevention, human factors and air navigation services;
- **Maintenance, repair, and overhaul (MRO):** Setting up of maintenance facilities for airframes, engines and components;
- **Helicopter city:** A dedicated enclave will be established to provide research, manufacturing, maintenance and support services across the value chain specifically for rotorcraft;
- **Education and training:** Development of a world class aviation and aerospace university, and international standard academies for pilots (ab initio flying and flight simulators), maintenance engineers, cabin crew and air traffic controllers, all of which will be in conjunction with CAPA's partner, Subramanya Construction and Development Company (SCDC).

CAPA India and Vittal Innovation City (VIC) have signed a Memorandum of Understanding (MoU) to co-promote a high-technology aviation manufacturing, research and knowledge park to be known as CAPA-VIC Aerospace City. The aerospace park will form one of the industry clusters at VIC which will include Aerospace manufacturing, Research and development, Maintenance, repair, and overhaul (MRO), Helicopter city and Education and training centres.



ICA - VIC Association

Indian Cellular Association (ICA) is the apex body of the mobile industry comprising of Brand Owners; Technology Providers; Manufacturers; National Distributors; Application, Solution and VAS Providers, Ethical Retailers and eminent Consumers of mobile handsets.

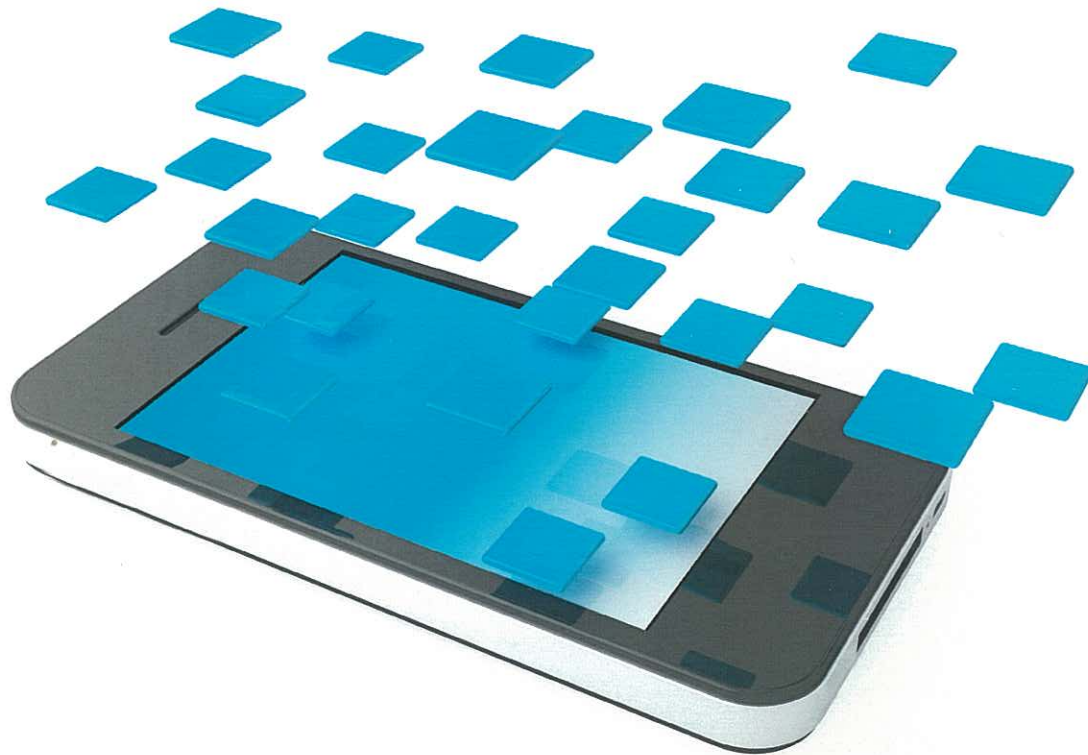
The Association has been constituted to provide value and service to the mobile cellular handset industry in India; by fuelling its growth, improving competitiveness, helping create a legal and ethical market and regulatory environment, thereby providing long term benefits of mobile connectivity to the Indian masses.

ICA proposes to partner with VIC to set up mobile phone and mobile phone components manufacturing industries. The joint responsibilities of both parties would be to -

- Solicit land parcels from state governments and/or private parties that meets the requirement with respect to land size, proximity and other key requirements.
- Work with the relevant state governments to get a special incentive package for the constituents, including but not limited to, adequate electricity of high quality at subsidized prices, water allocation, tax subsidy/ refunds, single point clearances and connectivity.
- Work with the central government to get a pilot cluster under the electronics hardware cluster scheme.
- To endeavor to make this a cost competitive location to be able to compete globally.

VIC shall work to:

- Provide management expertise and input for effective development and running in a transparent and professional manner.
- Create a master plan and develop the infrastructure to a world-class level.
- Facilitate a financial support model to promote innovation and manufacturing for start-up and SMEs.
- Build and run training facilities for manpower development.
- Drive innovation by building facilities for innovation, design and incubation, testing laboratories and other services.
- Manage the eco-system for the development and on-going government affairs, alliances, partnerships, etc.
- Help develop the global relationships and partnership for joint business and promote them globally.



Institute for Information Industry (III) - VIC Association

III was incorporated in 1979, through the joint efforts of public and private sectors, as a Non-Government Organization (NGO), to support the development/applications of information industry as well as information society in Taiwan.

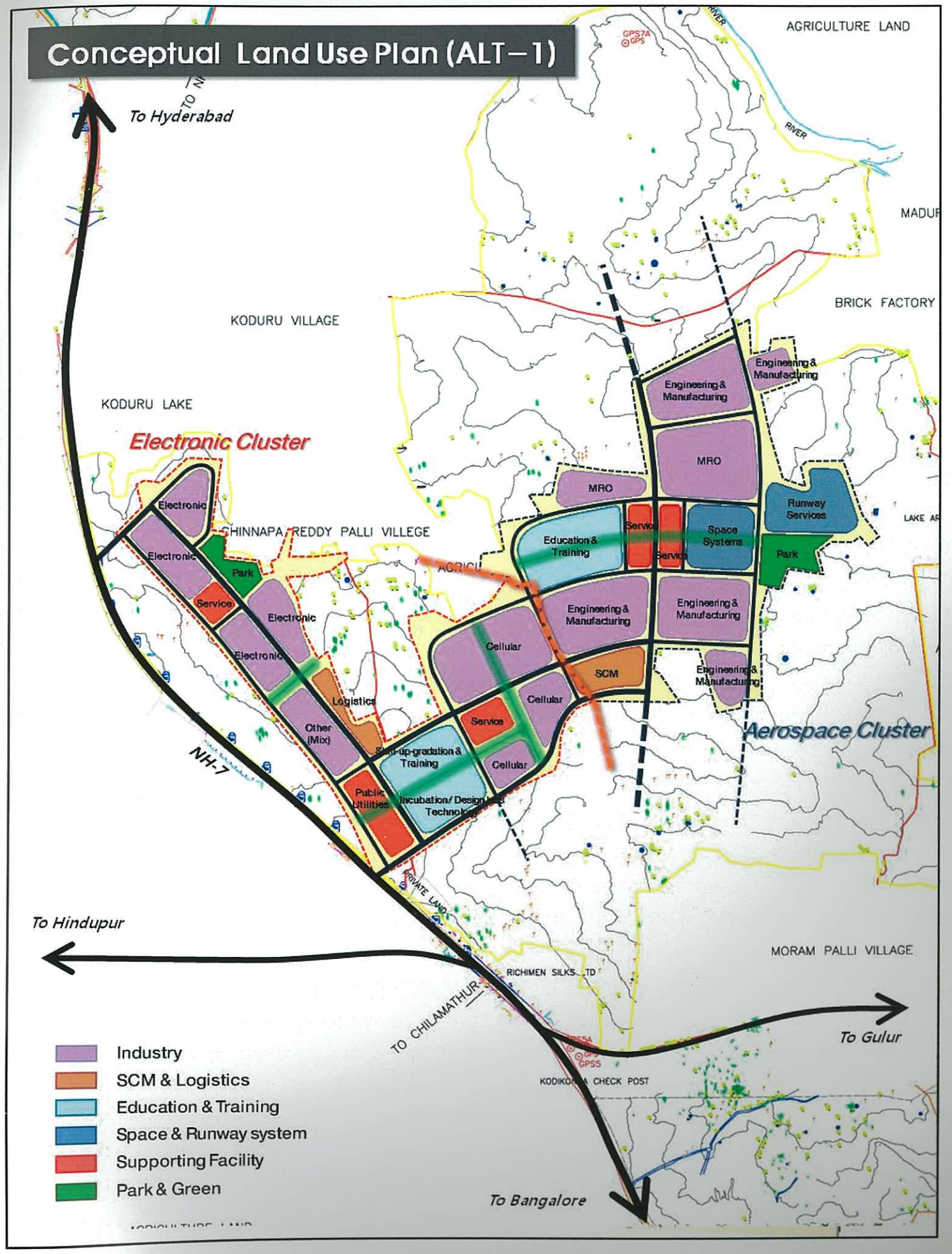
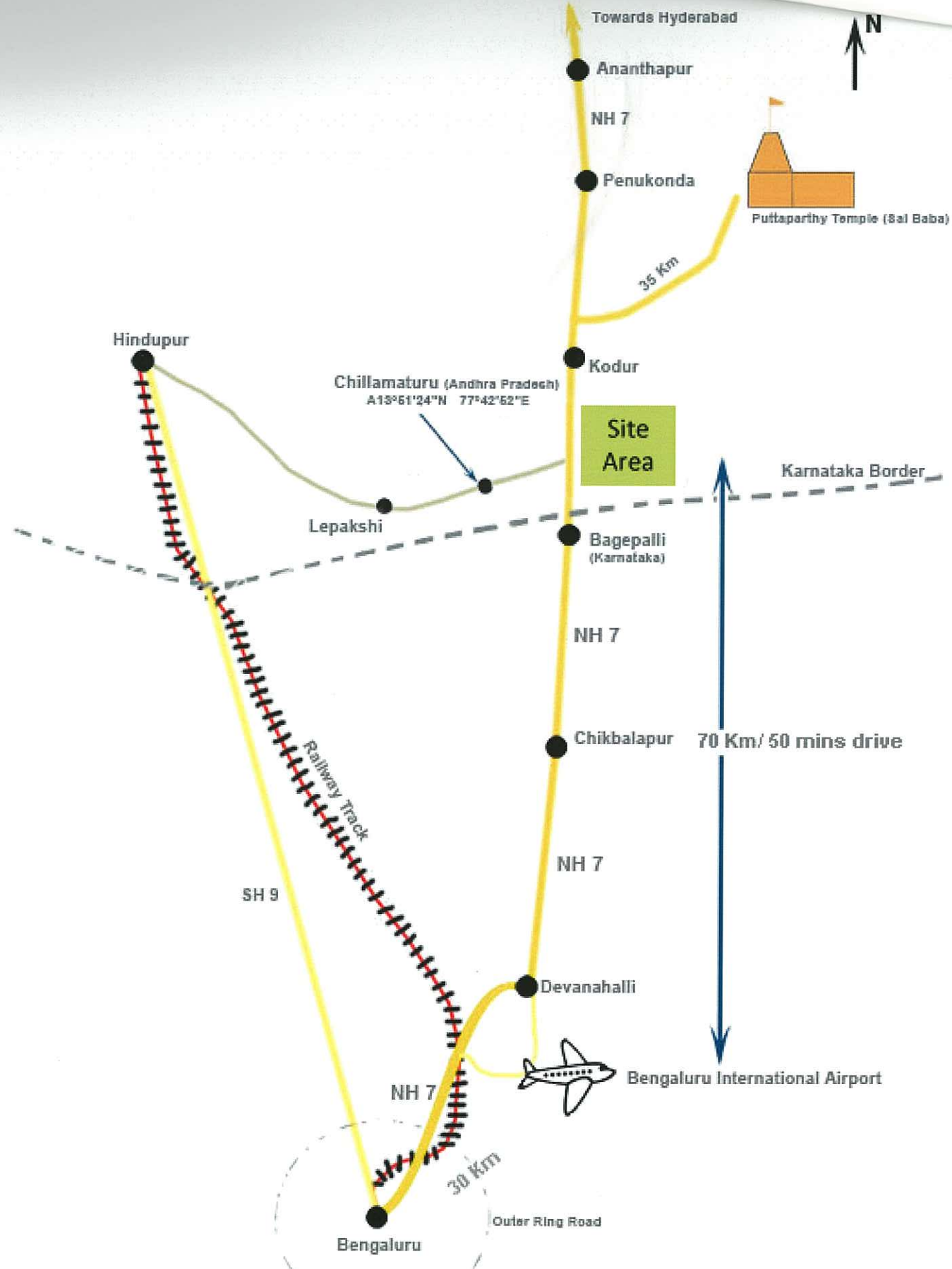
Along with the technology advancement, III's mission has evolved from the developments of information technology (IT) to Information and Communication Technology (ICT), with coverage over the entire society. Since its inception, III has been a source of vision, innovation, technological excellence and a major contributor to Taiwan's development into a significant player in the global ICT area.

Today, through more and more international collaborative projects, III has been aiding many other countries across the globe, by bringing in the benefits of III's engineering expertise and management skills, to develop their own ICT industries and to build their own information infrastructures for economic competitiveness and social development. Skill development is the keystone to the sustained growth of any industry, more so for electronics. VIC intends to undertake skill upgradation and training programs to build relevant skill sets of employees.

An MOU has already been entered into with the Institute of Information Industry (III), for establishing an integrated Taiwanese innovation and electronics manufacturing cluster. The highlights of the MOU are as under -

- III will assist VIC to associate with partners and/or investors to set up research, design and manufacturing businesses regarding various industry segments within the facilities of VIC.
- III will assist VIC to associate with partners to set up training and education units regarding suitable areas of technologies within the facilities of VIC.
- III will assist VIC in identifying partners with potential cooperation interests for setting up industrial parks, science parks and large R&D complexes in India with VIC
- VIC will assist III to develop partnerships in India with State and Federal Governments and industries.





VIC Location Map

CLUSTERS AND GROWTH NODES WITHIN BANGALORE METROPOLITAN REGIONAL DEVELOPMENT AUTHORITY AREA (REFER STRUCTURE PLAN 2031) INCLUDES SHOWING SATELLITE TOWNS RING ROAD, INTERMEDIATE RING ROAD AND RADIAL ROADS PROJECT

VITTAL
 INNOVATION CITY
 UPCOMING URBAN NODE OF BANGALORE ON NH-7. IT IS 80 KM NORTH OF BIAL AIRPORT

