

DISCOVER EXCELLENCE EXPERIENCE INDIA

Powered by the aspirations of the world's youngest population, India has established itself as the world's preferred partner for developing knowledge-led manufacturing and services solutions



- Two Japan Quality Medals.
- Sixteen Deming Prize-winners.
- One-hundred eleven units of 82 companies with the prestigious Nakajima Award of the Japan Institute of Plant Maintenance (JIPM).

"India has evolved into one of the world's leading technology centres."

**CRAIG BARRETT,
chairman, Intel
Corporation**

- Over 21,000 ISO certified establishments.
 - One-hundred sixty-two universities.
 - Four-thousand doctorates and 35,000 postgraduate degrees every year.
 - A competitive, academic environment sustaining one of the world's most accomplished pools of technically qualified and skilled personnel.
 - Unique ability to deliver consistent quality in a scale-neutral, high-tech and eco-friendly production environment.
- Home to 25 per cent of the world's fresh investment in R&D centres, India's 300 per cent year-on-year growth in the number of patent applications filed is drawing the world's finest companies to harness the power of Indian talent.

The expertise of Indian software engineers, product designers, researchers and manufacturing specialists has caught the attention of global corporations. MNCs like Whirlpool, GE, LG, Philips, Bosch, Dell, Ford, Toyota, Hyundai, Pfizer, Honda and Nokia have made large investments in

"I can foresee a day when Finland could begin importing mobile phones from India."

**MATTI PIETARINEN,
deputy director
general, Finnish
Ministry of Trade
and Industry**

pursuit of their India strategies. Powered by the aspirations of the world's youngest population, India has established itself as the world's preferred partner for developing knowledge-led manufacturing and services solutions.

- Intel's largest R&D centre outside the US is located in Bangalore.
- IBM employs its largest non-US talent pool in India with over 70,000 engineers and scientists working on various technologies and processes.
- CISCO employs over 5,600 people in India and runs its most vital research projects from its India centre.
- Microsoft, Dell and GE have built their largest development centres outside US in India.

- The Daimler-Chrysler Research Centre in India is one of its only three centres outside Germany.
- SAP Labs India is the largest R&D hub and support presence for SAP outside Germany.
- The University of Oxford is to set up its first research centre outside the UK in association with the Confederation of Indian Industry.
- Advanced Micro Devices Inc (AMD) has established its third development centre in Bangalore. India accounts for about 25 per cent of its global R&D workforce.
- Rolls-Royce has tied up with the Indian Institute of Science, Bangalore, and the Imperial College of the UK to work together on a new research project to develop alloys for use in 'greener' aircraft engines.
- Apple is seeking to partner the National Institute of Design (NID) to work on a handheld computing device.
- Hyundai, Toyota, Skoda, Suzuki, Ford, BMW, Chrysler: the world's finest automobiles run on research done in India.
- Hyundai and Suzuki have made India their global manufacturing hub for small cars. Hyundai's i10 is made here, for the world.

"We are bullish on India. We already have relationships with a variety of companies in aviation-related software development and back office."

**JAMES MCNERNEY,
chairman, president
and ceo, The Boeing
Company**

- India is also a manufacturer of choice. Companies such as Volkswagen AG, International Truck and Engine Corp. have already made investment plans of about \$15.25 billion.
- Global auto majors are sourcing components worth billions of dollars from India.
- The \$30 billion Northrop Grumman Corp has joined hands with Satyam Computer Services to jointly provide high-end engineering services to the global aerospace and defence industry.
- HCL Technologies has entered into a deal with Crane Aerospace & Electronics under which HCL provides engineering services to support Crane's product lines in cabin, landing systems, sensing and utility systems and fluid management across several aircraft programmes.
- Bangalore-based CADES, a product design and development solutions provider for the aerospace and defence sector, has tied up with CeBeNetwork Holding, a strategic supplier for Airbus for offshore engineering services work.
- Caterpillar Inc. has set up its design hub for construction machinery at Chennai.
- Launched in January 2008, India's "people's car" – the \$2,500 Tata Nano will become the poster car for a new, stripped back style of engineering — glue instead of welds. It has already found a place in Time magazine's List of 12 Most Important Cars of All Time.
- HCL Technologies is working on various systems like flight management and landing gear for Boeing 787 scheduled for takeoff in 2008.
- Infosys Technologies has worked on designing part of the Airbus A 380 wing along with Triumph Composite Systems.
- The \$3.25 billion semiconductor design services market in India is expected to reach \$14.4 billion by 2010.
- Some of the important companies that have made their presence in India include Texas Instruments, IBM Microelectronics Inc., Advanced Micro Devices Inc, Intel Corp, Broadcom Corp, Cisco Systems Inc, Microsoft Corp, HCL Technology Ltd., STMicroelectronics, Cosmic Circuits, Sankalp Semiconductor, Indrion Technologies and Ammos Software Technologies among others.
- According to some industry estimates, the hived-off new drug research

"Indian engineers are comparable to the best in the world, including the US and Europe, and we will use this strength to leverage our position in the world market."

**PHILLIPPE
JOUBERT, executive
vice-president,
Alstom**

business of India's top-ten pharma companies could independently be worth \$120 billion in market cap by 2015.

- India is one of only six countries with the capability to design, manufacture and launch its own satellites.
- About 165 institutions in the country are engaged in genetic engineering research, comprising 55 in transgenic work, 25 in therapeutics and 85 in basic research.
- In the pharmaceutical sector, India has the largest number of USFDA approved manufacturing plants, outside the US.
- The Indian Institute of Technology (IIT), Chennai, has developed the world's first nano-material based water purifier.
- Intel India has conducted over 800 invention disclosures and has filed 50 patents till date. In addition, about half of the work on Intel's "teraflop research chip" was done here.
- Dell plans to roll out an enterprise server range which is being designed and developed at its India Centre.
- Hewlett Packard has chosen Bangalore to produce its next generation of products for the world market.