TATA CONSULTANCY SERVICES

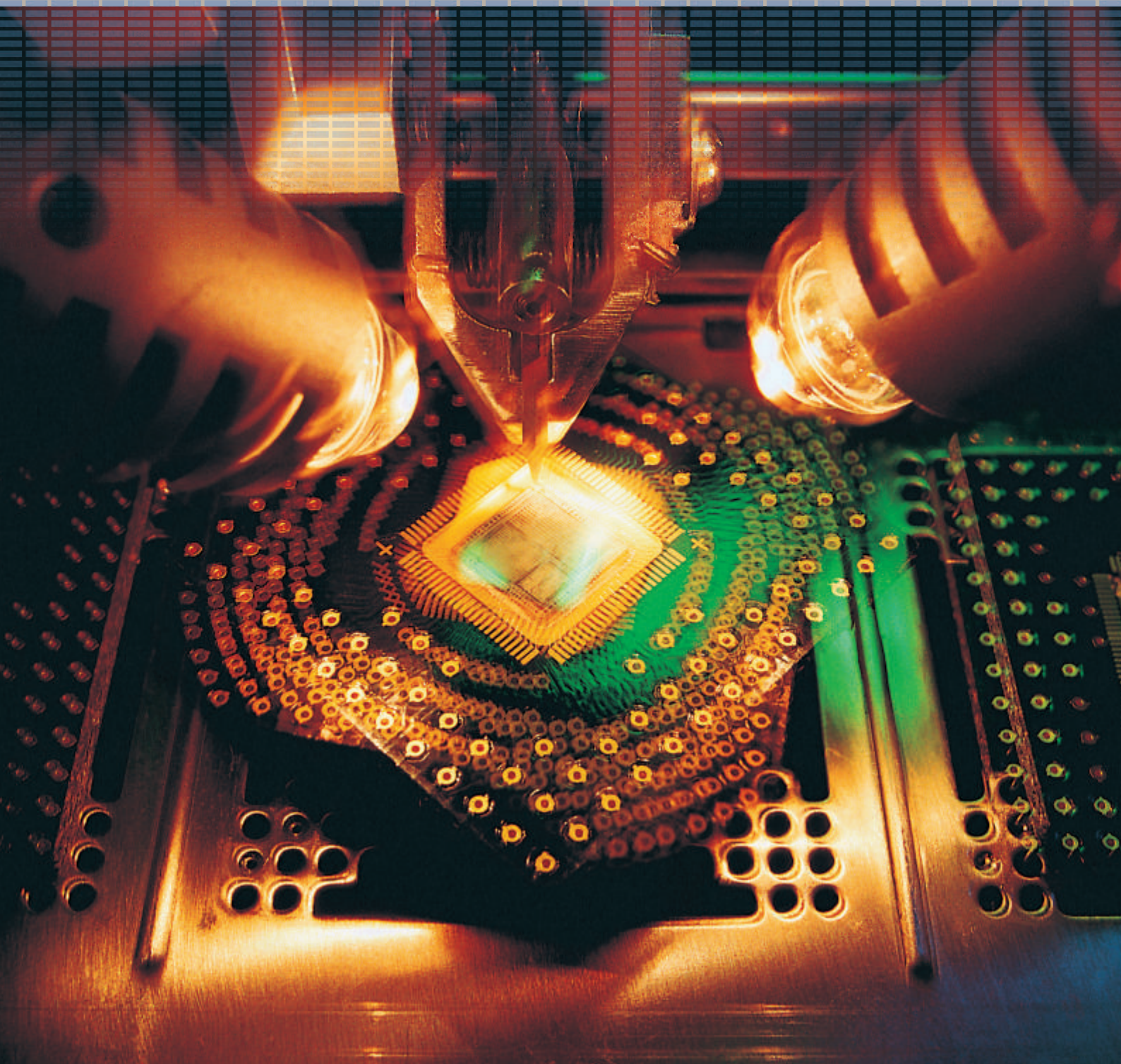
Experience certainty.

IT Services
Business Solutions
Outsourcing

TATA

Solutions for High-Tech Industry

Engineering and Industrial Services



Competing in today's highly dynamic High-Tech industry makes greater demands on your enterprise. It asks for product innovation and rapid launch of new products, along with operational excellence. With Tata Consultancy Services' (TCS) EIS Solutions for High-Tech Industry, you can meet these demands easily. Leveraging our domain expertise and engineering skills, we support you across the product lifecycle.

Overview

Enterprises across the High-Tech industry spectrum – semiconductors, consumer and industrial electronics, and office automation – are trying to find new and effective ways to address common challenges. Some of the key challenges for Hi-Tech industry are:

- To shorten the product development lifecycle
- To innovate rapidly and cost effectively
- To keep pace with changing market needs and technologies
- To meet compliance requirements

While these issues pose similar queries to all High-Tech organizations, segment-specific trends are adding to the complexities such as falling chip prices for semiconductor companies, convergence and user experience for consumer electronics industries, high-reliance on technology for industrial electronics players, low profit margins for office automation companies etc.

At TCS we understand your industry trends and therefore, the challenges. We are equipped to meet them with our EIS Solutions for the High-Tech Industry. Our R&D strengths, product engineering services, domain expertise, process based approach, reusable assets and frameworks help you introduce new products quickly. Our unique combination of product engineering and engineering IT solutions span the entire product lifecycle. These improve your agility and help you respond to changing business and customer needs.

Why TCS

TCS has partnered with many High-Tech enterprises – from semiconductor equipment manufacturers, chip makers, to hardware and software product vendors, etc. – providing business-impacting solutions. Along with this domain experience, our engagements are also strengthened by our ability to:

- Leverage Electromechanical Manufacturing Facility in India;
- Bring you cost efficiencies and a global reach with the help of our Global Network Delivery Model™ (GNDM)™;
- Engage with you on a partnership mode and own processes – from design to manufacturing;
- Help you bring product innovation with the help of our domain experience, R&D centres and innovation labs;
- Provide complete engineering and manufacturing services by leveraging the capabilities of the TATA group and its industrial partnerships. This brings you several benefits, such as faster-time-to-market, reduced vendor management, lower product cost, and better product sustenance.

Our offerings

We bring you complete product engineering services, along with electro-mechanical manufacturing support, supply chain management services, product lifecycle management services and geospatial technology services. Capable of handling complex projects, we help you achieve substantial savings and reduce your TCO (Total Cost of Ownership). Here's a comprehensive list of our industry-specific key offerings:

Semiconductor

- VLSI/FPGA design services
- Verification and validation
- IP integration
- Platform and system solution services

Consumer Electronics

- System level architecture, design and implementation
- Hardware design, development and testing
- Embedded software development (GUI/application, middleware and platform)
- Custom algorithm development
- Standards based IP cores
- Verification and validation
- Digital TV/set-top box
- DVDR/hard disc recorder
- Blu-ray players
- AV receivers
- Digital Video Recorder (DVR) for video surveillance

Industrial Electronics

- Complete product development
- Hardware design, development and testing
- Embedded software development (GUI/application, middleware and platform)
- Enclosure design, development and prototype
- Design re-engineering for low cost, low power features
- ROHS, WEE compliance and UL, CE certifications
- Complete electro-mechanical product manufacturing services
- TechPubs: user, service and operator manuals

Office Automation

- Document management solutions
- Printer driver development
- Print servers
- Printer emulation
- Workflow solutions
- Publishing applications
- Image processing
- Print utilities
- Label applications
- Localization
- Network protocols and wireless interface
- Biometrics and security
- OS porting and customization
- Bitmaps/logos/fonts

- PLM Services
- Engineering Process Support (EOC)
- EMS

About Tata Consultancy Services (TCS)

Tata Consultancy Services is an IT services, business solutions and outsourcing organization that delivers real results to global businesses, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled services delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development.

A part of the Tata Group, India's largest industrial conglomerate, TCS has over 160,000 of the world's best trained IT consultants in 42 countries. The Company generated consolidated revenues of over US $6.3 billion for fiscal year ended 31 March 2010 and is listed on the National Stock Exchange and Bombay Stock Exchange in India. For more information, visit us at www.tcs.com

Contact

To know more about TCS EIS Solution for High-Tech Industry, contact corporate.engineering@tcs.com

All content / information present here is the exclusive property of Tata Consultancy Services Limited (TCS). The content / information contained here is correct at the time of publishing. No material from here may be copied, modified, reproduced, republished, uploaded, transmitted, posted or distributed in any form without prior written permission from TCS. Unauthorized use of the content / information appearing here may violate copyright, trademark and other applicable laws, and could result in criminal or civil penalties.

Copyright © 2011 Tata Consultancy Services Limited

TCS Design Services | P | 02 | 11

TATA CONSULTANCY SERVICES

www.tcs.com