



## Embedded Systems

### Engineering and Manufacturing Solutions

With the changes brought on by the economic undulations in recent years -- combined with an influx of new technologies -- product companies have been forced to rethink their markets, product development and sales strategies. In a highly competitive market, the race to introduce new products quickly and cost-effectively never ends. In today's global economy, there is no margin for error: innovative designs have to be right the first time, every time.

Companies face an array of formidable challenges, thanks to several factors, including the adoption of mobile devices, the focus on the connected home, the demand for increasingly sophisticated control and monitoring systems, the proliferation of open operating systems and the need to localize in a global marketplace. Key challenges include access to talent with the right domain expertise; optimizing R&D and product costs; and adopting cutting-edge development methodologies that focus on getting the design right the first time so that it's ready for manufacturing.

#### Engineering and Manufacturing Solutions (EMS)

Our EMS practice consists of a strong pool of over 1,500 consultants with a mix of functional and technical expertise, delivering integrated engineering solutions to industry-leading players.

A team of technology and industry experts perform R&D work that results in cutting-edge solutions for industry- and customer-specific scenarios.

Laser-focused on embedded systems and solutions, our EMS practice is built to help you accelerate time to market. We help our clients across all phases of the embedded product development lifecycle.

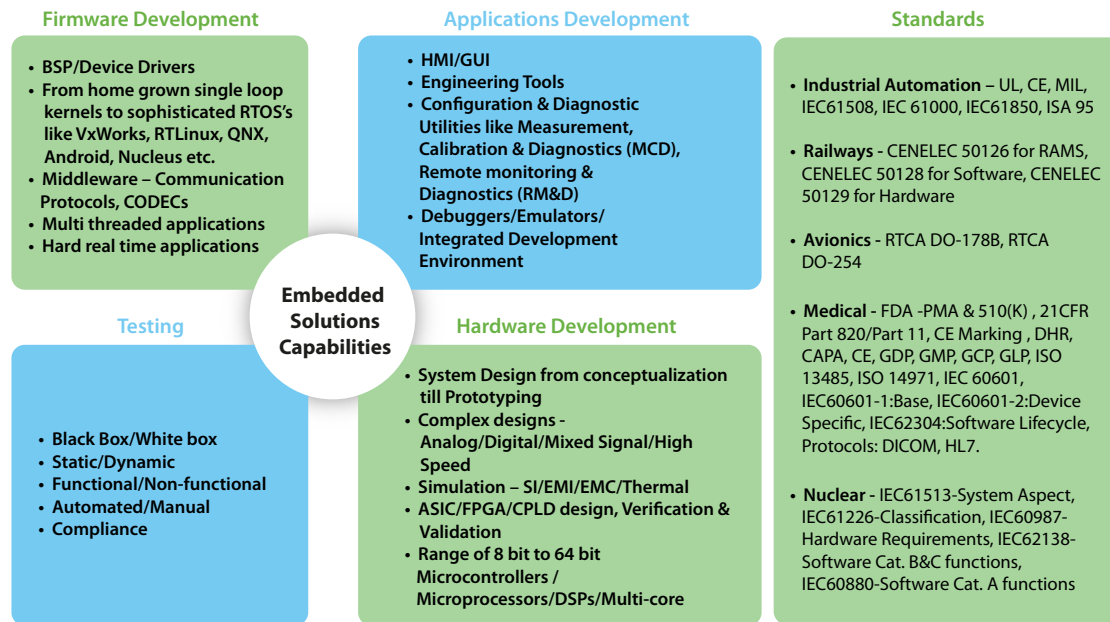
To ensure continued leadership, we have invested in dedicated lab infrastructures and draw upon strategic partnerships and alliances with leading product and technology vendors such as Intel. We are also a contributing member of the Digital Living Network Alliance (DLNA) consortium.

#### Our Solutions

Our embedded systems practice comprises of a large talent pool of engineers and equipped with providing service across the product life cycle. Using Cognizant's proprietary, proven development processes and global service delivery models, our consultants excel at every phase of the embedded product development life cycle. This expertise spans product ideation, hardware, firmware and middleware, application development, complemented by testing, validation, verification and product sustenance.

EMS practice is tuned to address the complex, intertwined requirements of the market. Leveraging our expertise across a wide range of technologies and domains, a dedicated lab infrastructure, off-the-shelf component

integration, coupled with strategic partnerships, we deliver innovative, flexible and cost-effective solutions and services that are unsurpassed in the embedded systems space.




## Customer Success Stories

Client	Solution	Benefits
European Research Center	<ul style="list-style-type: none"> <li>• Developed the HiperLAN 2(WLAN) stack for Mobile Terminal (MT) and Access Point (AP) strictly adhering to ETSI standards</li> <li>• Porting of Bluetooth Stack from Windows NT to Windows 3.0</li> </ul>	<ul style="list-style-type: none"> <li>• Reduced Turnaround time - Ahead of schedule</li> <li>• Target independent design: easy porting to other OS &amp; H/W</li> </ul>
Leading provider of automation and information technologies	<ul style="list-style-type: none"> <li>• SCADA Product line Support</li> <li>• 150 + modules &amp; variants, 30 K + components</li> <li>• 32 bit process, GAL, CPLD, different memory devices</li> </ul>	<ul style="list-style-type: none"> <li>• Benefit of complete outsourced product lifecycle management</li> <li>• 50% reduction in development cycle lead time</li> </ul>
World Leader in personal peripherals devices	<ul style="list-style-type: none"> <li>• Developed BSP for ARM9 based platform</li> <li>• Device driver development for Linux</li> <li>• Developed highly optimized IPC for the Linux based application</li> </ul>	<ul style="list-style-type: none"> <li>• Value addition through domain consultants</li> <li>• Cognizant's proven cost effective onsite - offshore model</li> <li>• Significant cost saving</li> </ul>

## About Cognizant

Cognizant (NASDAQ: CTSH) is a leading provider of information technology, consulting, and business process outsourcing services, dedicated to helping the world's leading companies build stronger businesses. Headquartered in Teaneck, New Jersey (U.S.), Cognizant combines a passion for client satisfaction, technology innovation, deep industry and business process expertise, and a global, collaborative workforce that embodies the future of work. With over 50 delivery centers worldwide and over 118,000 employees as of June 30, 2011, Cognizant is a member of the NASDAQ-100, the S&P 500, the Forbes Global 2000, and the Fortune 500 and is ranked among the top-performing and fastest growing companies in the world.

Visit us online at [www.cognizant.com](http://www.cognizant.com) for more information.

	World Headquarters	European Headquarters	China Operations Headquarters
	500 Frank W. Burr Blvd. Teaneck, NJ 07666 USA Phone: +1 201 801 0233 Fax: +1 201 801 0243 Toll Free: +1 888 937 3277 Email: <a href="mailto:inquiry@cognizant.com">inquiry@cognizant.com</a>	Haymarket House 28-29 Haymarket London SW1Y 4SP UK Phone: +44 (0) 20 7321 4888 Fax: +44 (0) 20 7321 4890 Email: <a href="mailto:infouk@cognizant.com">infouk@cognizant.com</a>	No. 538 Cailun Road, Zhangjiang Hi-Tech Park, Shanghai, China 201 203 Ph: +86 21 6100 6466 Fax: +86 21 5137 1826 Email: <a href="mailto:inquirychina@cognizant.com">inquirychina@cognizant.com</a>