

**Cagnolabs Systems Pvt. Ltd**  
**Offshore Development Center**

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## **ODC- Overview**

Software development is a highly technical job. To develop software in-house requires time, skilled manpower, and expensive programs and equipment. Offshore development is a cost effective alternative to developing software in-house.

Corporates are looking at effective control, thinner organizations, and fast & reliable information in order to focus on better productivity and increase profits. This can be achieved by outsourcing their IT development needs and domain specific IT solutions to established Offshore Development Centers for

- Reducing Development Cycle
- Reducing Cost
- Ensuring Technical advantage
- Availability of resources
- Need to quickly ramp up on technical staff
- Build a sustenance model for the technical department

## **About the ODC @ Cognolabs Systems**

Cognolabs is a privately held technology corporation that focuses on partnering with its clients for taking e-business ideas from concept to fruition.

Our client base includes Indian and other governments, major corporations as well as dot-coms, located in major world centers like Atlanta, Mumbai, Delhi and Hyderabad.

Our value proposition is unique. We give our clients the capability-building advantages of in-house development, domain expertise, experience of systems integrators, customer-service oriented knowledge of technical support teams, flexibility of high tech experts and consulting on demand.

## **Why Cognolabs**

### **Considerable cost savings:**

In the past few years, many of fortune 1000 companies have established offshore campuses, especially in India because of the cost-effectiveness of offshore outsourcing. Comparatively, outsourcing in India can save you up to 60% than in the US or Europe.

**Language skills:**

One of the major concerns for outsourcing is language, especially for customers from English-speaking countries. But that hurdle doesn't get into the way of outsourcing in India because speaking in English has almost become a habit for Indians in professional services. Our staff members are handpicked with thorough interview process, and we select only those candidates who have put up at least 10 years of English education to ensure you are able to communicate with your offshore team effortlessly.

**Our presence in US:**

We have US incorporated company partnering with us. So you deal with a firm that has a legal entity in the USA, rather than an unknown company in an unknown country. We handle all the contracts and agreements with our own sister company back in India. So you can relax and enjoy the benefits of outsourcing services, while we handle all the offshore paperwork.

**Location:**

Our offshore development center is located at Hyderabad, India, the global hub of offshore outsourcing services. India offers suitable talent, economic stability, time zone difference, cultural compatibility, improved infrastructure, and above all, attractive savings. India fulfills all the norms as an unparalleled location for outsourcing.

**Time difference:**

One of the amazing gains for US customers is time zone difference. With almost a 12-hour time difference between India and US, you are at the advantage to assign work to your ODC in the evening and can have the work done by the next morning. If you would like to interact more with your ODC team during US business hours, we would be more than happy to arrange a Night Shift Team for you in India, so that they work during US business hours.

**Communications:** Cognolabs maintains a state-of-the-art development environment at our facility, designed to facilitate full life cycle software development. Our communications network provides 24x7 high bandwidth links between development centers, and our integrated communications and computing infrastructure can be configured and extended to support customer locations.

**Connectivity:** Cognolabs' India development center in Hyderabad is a 4,000 square feet facility equipped with a multi-protocol network center with high-speed lines; dedicated point-to-point connectivity links and high-speed, redundant Internet connectivity via terrestrial and fiber optic lines.





Dedicated network management teams support our development center to ensure uninterrupted client connectivity and seamless engagement execution across locations.

**Data Security and Confidentiality:** Cognolabs has well-established processes and procedures for data management and security, addressing such issues as access control and protection, data loss prevention, protection of confidentiality and intellectual property, and disaster recovery.

Cognolabs maintains security in its Offshore Software Development Center (ODC) facilities through restricted physical access and use of firewalls for network security. We have a well-articulated Intellectual Property Policy.

**Intellectual property rights:** Offshore development and Offshore Programming at Cognolabs safeguards the client's intellectual property, proprietary software and new development specifications with very high levels of security. Clients retain full ownership of all intellectual property rights and software source code at the completion of the project.

**Offshore Software Development:**

Offshore software development at Cognolabs provides immediate short-term access to a broad range of specialized technical skills and equipment.

When facing a large project but of short duration, you can use Offshore software programming to limit the number of new employees and administrative support personnel you must take on.

**Offshore Product Development and Support:**

The company has developed effective processes for periodic communication, defect tracking and configuration management at our offshore support center to facilitate product management by the client.

**Product Customizing and Implementations:**

Cognolabs customizes your products to customer specifications and implement these customized products at customer sites.

**Product Maintenance:**

The scalability of Cognolabs' services to perform one-time maintenance tasks such as re-engineering the product or migrating it to new platforms is advantageous.

**Product Enhancements:**

Cognolabs can systematically perform feature upgrades for the product. Add functionality to the product or add newer interfaces such as Web interfaces.

**Product Testing:**

Cognolabs can perform testing tasks for a new product or the new release of an existing product. The company can prepare the testing strategy, write test plans, implement these test plans, and track defects to closure. For each of these tasks, Cognolabs uses a defined methodology and has extensive experience in the usage of test tools.

**Offshore Software Delivery Model Experience:**

Companies can take advantage of the time differences to decrease the elapsed development time, in turn bringing the products to market in shorter time scales. Cognolabs has learnt from experience to effectively utilize this time difference. The company has well-defined client communication and issue resolution mechanisms to ensure consistency in understanding of requirements, effective project management in multiple locations, and better coordination between the customer and Cognolabs.

**Highly qualified and dedicated developers:**

- Our expertise in recruiting enables us to build effective teams
- Our expertise in consulting services enables us to build effective solutions
- Our expert Project Managers on staff enable us to deliver projects on time and within budget

- Our management and senior staff have 15 years IT experience on the average



### **Management and Leadership Team:**

Cognolabs' management team has spent years building companies, managing operations and providing the guidance for client-driven businesses. The team is focused on creating extraordinary results for our clients. The team has developed and defined a new approach to IT delivery that increases the speed, efficiency, flexibility and value of the IT organization leading to exceptional annual growth rates.

Cognolabs continues to build a seasoned management team and organically expand across multiple geographies, verticals, and practice lines with strong exposure to global cross cultures, having worked in Malaysia, Atlanta, Detroit, Canada and India.

### **Strong application development process:**

Cognolabs has developed its own specific standards for effective process of the software development. We ensure that the software staff allotted to work on your project is highly educated and experienced with astronomical knowledge of the application development process. With meticulous planning and requirement analysis we train our team to go to the bottom of your needs and come out with orderly solutions that give you viable advantage.

### **Superior Testing & Quality Assurance:**

Our testing environment is beyond normal with our experienced testers making painstaking efforts to ensure you quality software solutions. In addition to that, we have developed a proprietary in-house bug tracking system that helps you to effectively report, track and monitor bugs and enhancements. Our past experience with our clients around the world has refined our methods to superior testing and quality assurance.

Time-friendly and rapid deployment – One of the components to a successful offshore undertaking is timesaving and rapid deployment. We understand that once you outsource your work to us, all your stipulations including timelines and rapid deployment are given high priority and necessary actions are taken to meet your deadlines. Cognolabs' strategies of software development are highly time sensitive as we have big pool of resources to develop and deploy your solutions quickly and accurately. We always endeavor to be transparent and true in offering our services to our clients.

### **Cognolabs' Offshore Development Methodology**

Our Offshore Software Development Center (ODC) in India, comprises of facility and staff dedicated for use for a client's IT project requirements.

We place a few members of our team onsite at client location to help us understand your environment and ease the communication process. These

members then create the link with our Offshore Software System Development team in India. Systems technical architecture is done onsite while all development, integration, system and acceptance testing and warranty support is carried out Offshore. Each offshore development team is dedicated to the client in hand. With state-of-the-art communication facilities and infrastructure, our offshore center work as a virtual extension of our client's development environment providing 24x7 services.

Cognolabs maintains security in its Offshore Software Development Center (ODC) facilities through restricted physical access and use of firewalls for network security. We have a well-articulated Intellectual Property Policy.

Our resources in the Offshore Development Center (ODC) are recruited, developed and retained by a comprehensive recruitment, training, and project Rotation and remuneration strategy.

Our mature and proven on site-offshore model guarantees cost savings up to 50% within the first 18 months. Work happens on a 24-hour basis due to a 12-hour time zone difference between India and the US.

The Offshore Software Development and Offshore Software Maintenance Services model is based on our tried and tested methodology that follows these steps:

**Key Personnel Identification:**

The setup activity begins with the hand picking of Technical Experts and Programmers with the requisite skill set as per the client requirements.

**Onsite Knowledge Acquisition:**

Once this core team is in place, coordinating with your application experts, application and systems knowledge is transferred to this team. This activity takes place at the client site.

**Process Definition:**

A process methodology will be defined and customized to meet the client's ODC requirements and specifications. This is a key step in the whole process; as teams separated by geographies need to have a predefined procedures and processes to achieve high quality of deliverables. This methodology also includes checkpoints and review mechanisms, to remove ambiguities in the technical communications. Use of standards and tools is identified and incorporated.

**Offshore Simulation:**

Once the methodologies and processes are in place, they are tested out and fine-tuned with the core team sitting at the client facilities, in a simulated offshore environment. The initial results and deliveries are checked against the agreed norms and for compliance. If deviating, the services level agreements are further refined with the incorporation of feedback. This cycle is continued until the delivery quality is met, confirmed and agreed to.

**Offsite Infrastructure Setup:**

As a sub-step to this activity, a seamless IT environment is created offshore with communications links to client facilities where the core team is stationed.

**Offsite Team Formation:**

Depending on the requirement an ODC Team is inducted at the offshore site. Some of the core team members return from the on site location to train this offshore team on your specific systems and applications, thus completing the Offshore setup of resources.

**Offsite Project Execution:**

This ODC is now ready to execute projects for the client. This will ensure on-time, on-budget deliveries using the Quality process and methodologies.

**Our services**

**Application Development:**

Our developers work closely with your project staff using today's most productive technologies, including a full range of Java, .net and UML-based design tools, as well as the more traditional tools in common usage. To achieve optimal results, we draw upon a wide range of resources, including best-of-breed third-party tools, framework, and components, as well as our own reusable components.

Throughout your engagement, we take steps to ensure that you are always up-to-speed. Our project managers and team leaders will keep you continuously informed of progress, issues, and next steps via secure web-based access to documents, information models, issue databases, and project code.

**Client / Server Application Development:**

Using structured methodologies and proven IT processes, Cognolabs reduces the complexity, risks and costs associated with client/server development. We will help you develop customized software applications and assist you thorough out the entire software development Life Cycle, including project management,

systems analysis and design, software development, implementation, testing and training.

**Distributed Application Development:**

For the distributed applications development, Cognolabs employs component technologies like COM, DCOM, Enterprise Java Beans , RMI and CORBA and UML design patterns for software design.

**Enterprise Application Integration (EAI):**

Enterprise applications need to constantly keep up with changing business needs. However, applications are typically added over a period of time and frequently do not link up to each other. Cognolabs' Enterprise Application Integration solutions create custom data import/export programs to exchange data between systems that do not otherwise "talk" to each other. Such solutions help the different packages used by an organization to work as a harmonious unit.

**Component based software development:**

Cognolabs undertakes Component based software development focused on building large software systems by integrating previously existing software components. By enhancing the flexibility and maintainability of systems, this approach can potentially be used to reduce software development time, costs, assemble systems rapidly, and reduce the spiraling maintenance burden associated with the support and upgrade of large systems.

**We are Qualified with Project Experience:**

Our total approach to Application development embodies a deep understanding of the latest technologies, supported by our extensive industry experience and project management skills. We focus on building enterprise-wide web-based applications that take full advantage of the Enterprise Java (J2EE) framework, together with other middleware and back end systems that are critical to your IT infrastructure.

Using our extensive resources, we help ensure that your applications provide the highest value to your customers, business partners, investors, and employees.

**Technologies used at Cognolabs:**

.Net

C#, VB, JQuery, HTML5, JSON, Javascript, VBScript, C/C++

Java

J2EE, JSP, Servlets, EJB, JavaMail, JMS, JDBC, JNDI, Applets, Java Swing

XML

XML Schema, SOX, RELAX, XSD, XHTML, XPATH, SOAP, XML-RPC, WSDL, UDDI, SAX, DOM, JDOM

## Mobile

Android SDK (ADK), Java IDE, iOS

## Content Development

Articulate, Camtasia, Captivate, CALMS, Flash, Action Scripting, HTML5, CSS3

## OS

Windows, Linux, UNIX, IOS, Android

## Custom Development

PHP, Perl, JSP, ASP, CGI, C, C++, Delphi, Java

## Tools

Rational Rose, Clear, Silk Test

## Databases

MySQL, SQL Server, IBM dB/2, Oracle

## Development tools

Visual Studio, Eclipse, CVS, VSS, JBuilder, WINCVS, VisualCafe, VisualAge

## Servers

WebLogic, Apache, Tomcat, JRun, WebSphere, IIS

## Methodologies

SCRUM, UML, OOAD/OOP, XProgramming

## **Project Management**

Our Program Office is responsible for the following:

We identify and support common functions across the business unit, monitor progress against plan and budget and to direct the day-to-day activities of the Program Office.

### **Project Monitoring:**

We define the appropriate level of reporting by the business units to effectively manage this project, validates plans, review status reports, identify potential problems areas and assists business units in performing project reviews. We customize and maintain a generic methodology, process and standards.

### **Risk Management:**

We establish risk assessment checklists and mitigation strategies to assist business units in the evaluation and resolution of issues. We also establish guidelines for the escalation and resolution of issues as well as guidelines for the escalation of critical issues requiring a higher level of action or decision.

### **Testing and Certification:**

We develop a testing strategy and identify testing tools required to reduce costs and improve the quality of testing.

**Communications:**

We share the project status, successes and lessons learned throughout the company.

**Methodology:**

We design a set of standard templates that define the stages, steps, tasks, deliverables and milestones to be performed or achieved in the various projects.

**SWAT:**

A SWAT team from the Program Office assists the business units and corporate functions in assessing projects that are missing target dates.

**Clients**

Our clients include the top 500 companies across the globe and government and government organizations. Following are recent list of our clients.

- Reliance Industries,
- National Institute of Rural Development (NIRD),
- National Institute of Micro, Small and Medium Enterprises (NiMSME),
- Institute of Cost Accountants of India (ICMAI),
- Ministry of Social Justice (GoI) Rehabilitation Council of India (RCI),
- University of Hyderabad,
- DSG Systems,
- Det Norske Veritas (DNV)

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