

## Offshore Development Center (ODC)

NETWORK PROGRAMS™

www.networkprograms.com

Network Programs provides convenient Software Outsourcing options to assure a cost-effective and on-time delivery of guaranteed quality services. Network Programs offers you to open an offshore development center (ODC) at India as to augment your in-house staff development. We provide measurable performance parameters in order to evaluate ODC's performance against timeliness and quality. Its all about reducing your risks and costs.



### Network Programs ODC Benefits



**Working with Network Programs, you draw offshore outsourcing benefits like:**

- Keep Your Focus on Your Core Business
- Augment Ability to Respond Faster to Your market opportunities
- Get Ability to Increase Your Development Capacity On-Demand
- Control growing headcount
- Extend technical expertise
- Reduce your development costs more than 60%



Open Offshore Development Center with Network Programs at India



**Embedded**



**Telecom**



**Datacom**

**On Site Team**



**India Team**

### Development Platform

- SUN OS / Solaris, UNIX & LINUX, MS Win 95/98/NT/2000 Server/XP, HP-UX etc.
- RTOS: symbian, FreeBSD, Windows Embedded, Windows CE, Palm OS, VxWorks

### Development Languages

- C, C++ , VC++, SUN Java, EJB, Java Bean, Applet, J2ME, J2EE, JINI, J2SE ,ORACLE

### Domains

- Embedded Systems, Firmware, Smart Card, RFID, IP & MPLS Networking, SNMP, RMON, SS7, Wireless Networking, RTOS Porting, IP & MPLS Route Design, Traffic Management, Call processing, IP Sec, IPv6, SLA/QoS, Flow through Service provisioning & activation, Customer Care-Order & Billing, Voice over IP, VoD etc.

# OFFSHORE DEVELOPMENT CENTER (ODC)

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## How the proposed ODC delivers value

- ▶ Network Programs will work with you to establish your outsourcing needs to realize your product roll-out plans. We will quickly build a team of software engineers dedicated for your work.
- ▶ Network Programs will station a on-site program manager to speed up development and facilitate communication.
- ▶ Using Network Programs's flexible work force option, you can augment your engineering strength without going through the pains of recruiting full-time employees. Network Programs can provide a team of 10-15 engineers at a short notice of just two weeks.
- ▶ Network Programs provides complete visibility of project work being done by the team at India. You can use our web-based tool 'NetCollaborator' to monitor project progress on a daily basis.
- ▶ Network Programs software engineering processes comply to SEI CMM Level 5 and ISO 9001-2000.
- ▶ Customer can focus on their core activity leaving software development activities with the ODC. We can develop software in assembly, C, C++, Java, or the appropriate mixture of these languages, depending on the needs and the specifics of the system at hand.
- ▶ At any point of time you can ask Network Programs to do R&D on a new technology and concept and come out with a workable proof-of-technology; along with market validation reports and studies.
- ▶ **IPR Protection:** Network Programs is an Indian corporation operating under Indian law. Many Fortune 500 companies have opened their ODC with Network Programs. The processes satisfy BS7799 standards. Network Programs guarantees protection of customer's copyrights through Non-Disclosure Agreement.



## ODC for Embedded Systems Development

Network Programs offers ODCs specialized for development of embedded systems. Such an ODC offers expertise of RTOSs, CPUs, Microcontrollers and Protocol Stacks on a diverse group of devices. The ODC engineers are experts in kernel modifications and optimizations of Microsoft Windows CE, .Net, Windows XP or Linux. They understand the demands and complexities of scheduler, memory management, system calls, interrupt handling and device management.

## ODC for Telecom & Datacom Development

Network Programs has a decade long experience in developing switching systems, large network management solutions for IP and MPLS network and operations support systems for wireline, wireless (GSM, GPRS, CDMA), 3G and IP. Network Programs offers ODCs specialized in developing solutions for large telcos and ISPs. Such ODCs have used Java/J2EE based Network Applications Platform (NAP) for real time traffic monitoring, analysis and performance management applications.

## ODC Project Performance (Metric Analysis)

Review Efficiency	= 60%
Mean Time to Detect Defect	= 15 min/defect
Test cases per KLOC in CT	= 50 test cases/KLOC
Test cases per KLOC in IT	= 20 test cases/KLOC
Defect density in CT	= 5 defects/KLOC
Defect density in IT	= 2 defects/KLOC
Defect density in ST	= 0.03 defects/KLOC



## Contact Us :

Network Programs Japan Inc.  
Nissho Bldg 3F, 2-2-8,  
Ginza Chuo-Ku,  
Tokyo-104-0061  
Tel : +81-3-3535 8591  
Fax : +81-3-3535 8593

Network Programs USA Inc.  
CA-Mountain View Down Town  
800 West El Camino Real,  
Suite 180 Mountain View,  
CA 94040, USA  
Tel: +1-650-903-2210  
Fax: +1-650-564-9425

Network Programs Australia Pty. Ltd.  
Level 17, BNP Centre  
60 Castlereagh Street  
Sydney, NSW 2000  
Tel : 612-9231-7499  
Fax : 612-9231-7575

Network Programs (India) Ltd.  
B-1-C, Sector - 10,  
Noida - 201301  
Tel : +91-120-2536622  
Fax : +91-120-2536625

1430 Armitage Way  
Mechanicsburg  
PA 17050, USA  
Tel : +1-717- 728 -8811  
Fax: +1-717- 728 -8887

For further queries please contact: [marketing@networkprograms.com](mailto:marketing@networkprograms.com)