

## Overview of Network Management Solutions



Our Network Management Systems (NMS) team provides end-to-end NMS solutions to network service providers and software development services for carrier-grade telecommunications products. Network management plays an increasingly important role as next generation networks (NGN) expand to encompass multi-media devices over converged multi-service networks. NGN and ever larger corporate computer systems must provide the highest level of functionality to control, plan, allocate, deploy, monitor and report on network resources and specific devices connected to them. Our NMS experts have telecom and enterprise domain expertise coverage the full gamut of network management -- from faults, configuration, administration, performance and security (commonly referred to as FCAPS). Our R&D and product solutions cover multiple network layers, including element management, service-level management and device management. Our project experience includes quality of service, service definition, creation and management across multi-vendor multi-technology networks. Our solutions work on Windows/XP, Solaris, Linux, HP-UX and we have extensively supported standards development at international organisations and facilitated product commercialization based on emerging standards in the convergence space. On the cutting edge, our team works with NMS for innovative solutions in the IPTV, RFID and NGN space.

### Our Credentials

- Our team includes 25+ NMS engineers and industry experts with deep domain and industry experience
- Global delivery of 25+ NMS projects for leading Australian, European, Japanese and US-based companies, including Global 1000 service providers and carrier-grade NMS solutions providers
- Dedicated NMS R&D teams, from RFID patents to IPTV standards setting and SANs
- Balance cutting edge innovation with technology start-ups with a proven track record of maintaining long-standing customer relationships with leading global NMS players.
- Broad technology experience covering IPV4, IPV6, multi-protocol, RFID, IPTV and convergence solutions.
- Leading edge technology and delivery partners enhance our domain capability -- from knowledge hard disk interface standards e.g. ATA, CE-ATA/ATA over MMC, Serial-ATA, to Japanese NMS language delivery

### NMS @ Network Programs

#### Software Development Services

We provide an array of software services including research and development, design, applications development, testing, maintenance and system integration. With 15+ years experience, our teams focus on solutions for network management for cutting-edge convergence technologies -- wireline, wireless and broadband. Working with our partners, NMS has facilitated standards development for NMS IPTV solutions and works with leading vendors on demonstration solutions and product development.

#### SAN Network Management

Storage Area Networks (SAN) and Network Attached Storage (NAS) solutions facilitate network sharing of stored data that simplifies administration and adds flexibility to the system -- and our team provides NMS that controls these networks. Our NMS group provides leading edge SAN and NAS solutions from IT consulting to software development and services. The R&D team of software engineers offers SAN product manufacturers -- from fibre channel networking to iSCSI management -- product development services. The NMS team also has a dedicated team of professions capable of installing, integrating, servicing and maintaining SAN products and solutions.

#### RFID Network Management

As an innovator in convergence network solutions, NMS has created a unique combination of R&D, product development and its own network management tool, SmartFlo (patent pending), for a cutting-edge four-technology (4T) middleware platform that interconnects radio frequency identification (RFID), SmartCards, biometric and telematics systems. The NMS team has experience with RFID and SmartCard product development for leading Japanese manufacturers. Its SmartFlo middle provides network administrators with a flexibly and scaleable solution that interfaces legacy applications with 4T networks and solutions, SmartFlo enables organisations to link existing application through an innovative element management system that standardises data exchanges or customised translation programs for 4T applications.

For more details, please visit us at [www.networkprograms.com](http://www.networkprograms.com) or email us at [sales@networkprograms.com](mailto:sales@networkprograms.com).

India Japan USA Australia

◆ Telecom ◆ Datacom ◆ Embedded

Onsite ◆ Offshore

Network Programs (India) Ltd.  
B-1C, Sector-10, Noida  
Phone: +91-120-2536622, Fax: +91-120-2536625  
[www.networkprograms.com](http://www.networkprograms.com)  
email: [marketing@networkprograms.com](mailto:marketing@networkprograms.com)



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