



# PragmaROAD

## Optimized RF Data Transmission for Mobile Fleets

CGI offers a complete range of information technology and business process services and is committed to provide its clients with solutions that meet their needs.

Our Utility Solutions team focuses on providing industry-leading solutions and services that span the horizontal workflow between clients, control rooms and crews, benefiting a global client base rooted in the electric, gas and water utility markets. CGI enables the real-time management of mission-critical processes by offering a feature-rich and field-proven solutions portfolio.

### **HOSTILE TERRAIN AND WORST WEATHER CONDITIONS IN A CENTURY. HAVE YOU HEARD FROM YOUR CREW LATELY?**

#### **PragmaROAD**

PragmaROAD is the interactive, universal RF communications middleware module in CGI's Workforce Management and Outage and Network Management Solution suites. A powerful and highly sophisticated data-transmission gateway, PragmaROAD creates a radio-transparent, wireless extension of the TCP/IP network to mobile or remote computers.

#### **How PragmaROAD Works**

PragmaROAD is a series of software components that act as an exchange server, in effect creating middleware for the wireless world. Data is transmitted between mobile multitasking computers and one or more stationary host computers over the enterprise network.

PragmaROAD integrates transparently with major operating systems. It effortlessly surmounts the potential problems between existing LAN- or WAN-based systems, and other assorted technical complications.

#### **How PragmaROAD Works For Your Business**

PragmaROAD provides and supports:

- **Automated Intelligent Roaming**

PragmaROAD integrates transparently with major operating systems. It effortlessly surmounts the potential problems between existing LAN- or WAN-based systems, and other assorted technical complications.

- **Interoperability across Different Communications, Mobile, Multiple Radio and Wireless Systems**

Operating systems including:

- Millenium, Windows 95, 98, 2000, NT, and XP.
- Standard RF modem with RS-232C ports, or PCMCIA modems.
- Private radio systems including: Dataradio/DMP, Ericsson/GE EDACS, and Motorola RD-LAP.
- Public wireless data networks Analog cellular, ARDIS, CDPD, CDMA 1X, GPRS 802.11x, ESMR, Mobitex, and POTS.

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- **Interoperability with Existing Wireless Middleware**

Integration with existing proprietary or third-party communications middleware, thus enabling the service provider to extend the value proposition of both systems.

- **Optimized Performance and Security**

Packet optimization for TCP/IP packets, reducing costs and time for service providers, especially when using public networks that charge on a per packet basis. Data and packet compression to minimize transmission time. All standard data encryption models, including RSA data encryption to ensure high-security transmission.

PragmaROAD revitalizes the exchange and relay of critical information and provides accurate and rapid data transmission without compromising data integrity and security. Both customers and service providers are rewarded by inexpensive and mission-sensitive service, which also enhances the corporate profile to the public.



consulting/systems integration/management of IT and business functions/ISO 9001 Certified  
North America/Europe/Asia

For more information:  
1-800-390-6033  
[www.utilitysolutions.cgi.com](http://www.utilitysolutions.cgi.com)  
[info.util-sol@cgi.com](mailto:info.util-sol@cgi.com)

January 2004