P. R. GLASSEL
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Engineer Your Wireless Ideas with Experience

With over twenty-five years of design, development, and integration experience, PRGA engineers have the expertise you need to meet your wireless project goals. From R&D of new concepts to re-engineering existing applications, we customize our approach to match your company's requirements.

Wireless Capabilities

Platforms

- Host/Gateway
  - ◊ PC
  - ◊ Web-based
- Portable
  - ◊ Symbol
  - ◊ Husky
  - ◊ Windows CE
  - ◊ Penright! Pen Based
- Scanner / Printer
  - ◊ Intermec
  - ◊ Telxon

Wireless Technologies

- ◊ CDPD
- ◊ CDMA
- ◊ 802.11
- ◊ Satellite (LEO & GEO)
- ◊ Specialized Mobile Radio (SMR)
- ◊ RAM Mobile Data
- ◊ Mobitex
- ◊ Motient
- ◊ ZigBee

- Design and development of a 802.11 spread spectrum communication interface using a UDP-based reliable link protocol and Symbol's Multimode OEM 801.11 module for frequency hopping and direct sequencing interface
- Design and development of a communication gateway providing satellite monitoring and control to a refrigeration controller. The gateway was an external device connected to the legacy controller and the satellite modem via RS-232 serial connections
- Design and development of a third party interface specification for the communications gateway allowing third party integrators to incorporate refrigeration monitoring into their wireless systems. Efforts include the design and development of a Software Developers Kit providing a working Windows PC application, low level documentation package and APIs
- Design and development of software for transportation mobile application for a leading LTL carrier using the Telxon, Intermec, Symbol and Husky platforms
- Provided support to Penright!, resolving integration issues with hand writing recognition, pen computing interface issues, memory management issues and device issues
- Design and Development of a field service mobile application on a Symbol hand-held computer running over the RAM,SMR and CDPD (Cellular Digital Packet Data) wireless networks
- Design and development of an ultra-low power ZigBee device for the (AMR) automated meter reading industry capable of accurately measuring gas or fluid consumption data, collecting time-of-day consumption distribution data, and reporting
- Design and development of software and hardware for a micro-controller based data concentrator card for a mobile data collection unit
- Design, development, and implementation of wireless mobile application scripting language enabling the designer to create a single application to run on multiple devices, (Telxon, Norand, Symbol, etc.) and run over multiple networks, (SMR, CDPD, Ardis, Bell South Mobile Data-RAM)