

SCADA Communication Systems

Communication Systems

- UHF and VHF Radio Systems
- 450 MHz and 900 MHz
- Point-to-point and multipoint
- Spread Spectrum
- 902 to 928 MHz to 19.2 Kbaud
- 2.4 to 2.4835 GHz to full T1-1.544MBPS
- Cellular and CDPD
- Microwave and Satellite
- PSTN and leased line wide area networks

Services

- Map Studies
- Site surveys
- Available frequency searches
- RF signal propagation tests
- Consulting services
- Engineering & Installation services

Wireless communication systems provides an economical alternative to using wire lines and leased or dial telephone lines. UHF and VHF Radio Frequency (RF) communication systems are often used with Network 3000 intelligent RTU's and controllers providing reliable communication over distances up to twenty miles. Spread Spectrum radio systems offer the advantage of reliable unlicensed radio frequency channels for those areas where licensed frequencies are unavailable.



Bristol® RTU 3310 Radio Package

Cellular and the newly established CDPD digital packet services, as well as microwave and satellite systems including VSAT, offer additional longer distance capabilities.

Network 3000 RTU's and controllers are fully compatible with all forms of wireless communication and have been successfully installed in hundreds of locations.

Emerson Process Management has a service organization specifically to help with system design, installation and operation in applications involving RF equipment. The group helps obtain FCC licensing, conduct onsite field surveys in order to define radio system parameters and to ensure radio path integrity. The group also designs and specifies solar systems for remote applications.

© 2007 Remote Automation Solutions, division of Emerson Process Management. All rights reserved.

Bristol, Inc., Bristol Babcock Ltd, Bristol Canada, BBI SA de CV and the Flow Computer Division, are wholly owned subsidiaries of Emerson Electric Co. doing business as Remote Automation Solutions ("RAS"), a division of Emerson Process Management. FloBoss, ROCLINK, Bristol, Bristol Babcock, ControlWave, TeleFlow and Helicoid are trademarks of RAS. AMS, PlantWeb and the PlantWeb logo are marks of Emerson Electric Co. The Emerson logo is a trademark and service mark of the Emerson Electric Co. All other marks are property of their respective owners.

The contents of this publication are presented for informational purposes only. While every effort has been made to ensure informational accuracy, they are not to be construed as warranties or guarantees, express or implied, regarding the products or services described herein or their use or applicability. RAS reserves the right to modify or improve the designs or specifications of such products at any time without notice. All sales are governed by RAS' terms and conditions which are available upon request. RAS does not assume responsibility for the selection, use or maintenance of any product. Responsibility for proper selection, use and maintenance of any RAS product remains solely with the purchaser and end-user.

Emerson Process Management Remote Automation Solutions

Watertown, CT 06795 USA
Mississauga, ON 06795 Canada
Worcester WR3 8YB UK

T 1 (860) 945-2200
T 1 (905) 362-0880
T 44 (1) 905-856950

Website: www.EmersonProcess.com/Remote