JOB DESCRIPTION

JOB TITLE:	**RF Engineer**	**DEPARTMENT: Radio Network Services**
POSTING DATE:	**30-NOV-2009**	**LOCATION: Various**

Working at WireIE is exciting and challenging. We are a global company with offices in Toronto and Barbados, and work throughout the Americas. We believe in Corporate Social Responsibility and give back to the communities we work in, helping to bridge the digital divide.

We use our in-depth knowledge and unique expertise to plan, design, build and manage network transformations and network extensions. We take legacy mobile networks, fixed networks, utility and municipal networks and transform them into Next Generation IP networks:

- Core network, backhaul and radio access
- Eco-friendly and carbon offsetting solutions
- Legacy Technology Retirement solutions
- Vendor and technology agnostic

We work with the best of the best from various disciplines and backgrounds. We believe in diversity, and we're proud of our energetic team members. Our "just get it done" attitude keeps everyone motivated and makes for a truly dynamic and fun working atmosphere.

Come be a part of something exciting – join the WireIE team!

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WireIE is seeking experienced RF engineers for contract opportunities in North America and the Caribbean. Working as part of the WireIE Radio Network Services team, you will be responsible for multiple aspects of RF engineering including Access coverage design, backhaul Point-to-Point and Point-to-Multipoint design, site selection support, RF field tuning/optimization, interference measurement, and general RF field troubleshooting.

The successful candidate must be an RF Engineer who through proven experience demonstrates team building, leadership, problem solving, technical expertise, and leadership competencies.

Projects are primarily focused on Next Generation Access and IP Backhaul network deployments, therefore experience with one or more of the following technologies is required: GSM/GPRS/EDGE, UMTS, WiMAX, and/or LTE.

KEY JOB FUNCTIONS

- Perform all stages of RF Access Design, including: coverage analysis, search ring process, site selection, link budget analysis, RF sweep evaluation, frequency planning, interference mitigation, spectrum management, and radiation protection measurement and compliance.
- Perform all stages of RF Backhaul design, including: path profile analysis, line of sight verification, link budget, site survey, frequency & radio selection.

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- Perform field test measurements to calibrate propagation tools and validate candidate sites.
- Utilize complex test equipment and post processing tools for network optimization.
- Perform Radiation protection measurement and compliance calculations and/or field measurements.
- Prepare spectrum licence applications for submission to local regulatory bodies.
- Provide support to RF Operations team as required.

SKILL LEVEL REQUIREMENTS

- Bachelors Degree in Electrical Engineering with a telecommunications option.
- Minimum 3-5 years experience in wireless telecommunications as an RF Engineer.
- Prior RF, microwave, and IP experience with a wireless service provider a strong asset.
- Working knowledge of GSM/GPRS/EDGE, UMTS, WiMAX, CDMA/1X/EVDO.
- Excellent working knowledge of RF Frequency and Channel Planning, Frequency Reuse Methodology, Capacity Planning and Traffic Estimation.
- Exceptional proficiency in MapInfo and RF propagation and analysis tools such as Planet, Celplan, TEMS, Actix Analyzer, Aircom, and Pathloss is essential.
- Ability to perform microwave link path profile analysis.
- Experience with Point-to-Point microwave backhaul radios (5.8, 18, 23 GHz, etc) is an asset.
- Experience with wireless in-building design using distributed antenna systems is an asset.
- Working knowledge and experience in IP networking a strong asset.
- Excellent oral and written communications, interpersonal, and problem-solving skills.
- Excellent PC skills, including Microsoft Office Suite (Word, Excel, PowerPoint and Access).
- Excellent listening skills and ability to comprehend client's requirements.
- Valid drivers license and passport and willing to travel as required.

Please forward CV to Director of RF Engineering george.kaichis@wireie.com