



**S** **TREAM WIRELESS** is a rapidly growing and respected company that provides strategic and technical solutions to the telecommunications industry. We are known for developing innovative solutions to the challenges faced by network operators and infrastructure vendors around the world.

We are dedicated to continuously evaluating and evolving processes and programs that enable our customers to cost-effectively deploy high quality networks with speed and efficiency.

The founders of Stream are well-known veterans of the telecommunications industry, with a cumulative experience of several hundred years. We have worked on both sides of the equation, helping operators and vendors in 24 countries. Stream's consultants are at the forefront of network technology and are experienced in developing unique and customized solutions to the challenges of the industry.

**Stream offers service solutions in these key areas:**

- Strategic, Business and Technology Consulting
- Program Management
- Project Management
- Network Planning, Design and Optimization
- Fixed Network Engineering
- Line of Sight Microwave
- Spectrum Management

At Stream, we don't believe one size fits all. We tailor all of our solutions to meet the specific needs of each client. We offer solutions on full turnkey, staff augmentation or partnership basis, depending on the requirements of each engagement.

**STREAM CAN HELP.**

Stream has documented best practices, processes and procedures that exceed industry standards. These are continuously monitored and updated to reflect the rapidly changing requirements of the telecommunications industry.

The primary goal of each Stream consultant is to provide the highest quality services to our clients and to demonstrate a commitment that equals that of the employees of our clients.



# WIRELESS TECHNOLOGY EXPERTS

Stream is experienced in the design and operation of all major wireless technologies.

We have an extensive history of providing expert consulting and engineering solutions for each of the following:

- **3G:** 3G (EVDO & UMTS) wireless services were first launched in 2004 and provide mobile data rates of at least 200 kbit/s. More recent 3G releases (HSDPA, HSUPA, Rev A, B) have achieved download speeds in excess of 1 Mbits/s. HSDPA plans to evolve to ~ 14 Mbit/s.

- **4G:** 4G (WiMAX & UMTS LTE) uses new radio access schemes (OFDMA, etc), multiple antennas (MIMO), dynamic channel allocation and channel scheduling to achieve theoretical peak download speeds of 100 Mbit/s for mobile communication and 1 Gbit/s for stationary communication.

- **4G+:** While both WiMAX (launched in 2006) and LTE (launched in 2009), in their current forms, do not reach theoretical 4G data rates, both the WiMAX 2 and LTE Advanced networks planned for launch in the next several years will. These networks will ultimately be 100% IP, requiring much different skill sets than the venerable circuit switched networks.

- **MOBILE BROADBAND:** The consumer's insatiable appetite for smart devices has driven unparalleled growth in mobile broadband traffic, which has transformed the way both network operators and equipment vendors win and lose business. This sustained and explosive growth in mobile data has been fueled by new data-hungry devices such as the iPhone and iPad. This has had an impact on everything from network design to customer acquisition.

- **MICROWAVE:** In 2006, the FCC auctioned 90 MHz of spectrum in the 1.7 and 2.1 GHz bands for Advanced Wireless Services (AWS). The licensees must share spectrum with already existing commercial microwave systems as well as systems deployed by the U.S. government. Licensees relocate these incumbents to new spectrum.

## ABOUT STREAM WIRELESS OUR MISSION

To be a trusted and respected provider of solutions to the telecommunications industry.

At Stream, we pride ourselves on assembling a team of industry professionals who have a reputation for technical excellence, innovation and integrity. We believe in value-driven relationships where principles of excellence, quality, honesty and commitment guide the actions of all of our consultants. Our clients trust us to develop the right solutions for them and to provide consulting services focused on their specific needs. More than 80% of Stream's business comes from repeat clients and referrals.

## OUR VISION

To develop long term, mutually beneficial relationships with our clients around the world while providing a rewarding and challenging environment for each of our consultants.

We have created an environment to attract, retain and develop the best talent in the telecommunications industry. We motivate and develop our employees by providing training, coaching, active apprenticeship and opportunities for entrepreneurship. The non-hierarchical work atmosphere allows employees to stretch themselves, comfortably focus on areas of development and serve clients with the utmost integrity. Stream strives to maintain one of the lowest employee turnover rates in the industry.



Stream is a wholly owned subsidiary of RCC Holdings, Inc. which also owns RCC Consultants, Inc.

RCC is a global telecommunications engineering and consulting firm. RCC has been in business for nearly 30 years and has supported public and private sector clients around the world with their needs assessment, conceptual design, specifications, program management, procurement, funding, implementation, testing, operations and support needs.

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