

# TRANSIT WIRELESS PRESS KIT



**Transit Wireless is a BAI Communications company**, part of a global enterprise that designs, builds and operates highly accessible communications networks for customers across Australia, Asia and North America.

The **Metropolitan Transportation Authority (MTA) and New York City Transit (NYCT)** selected Transit Wireless to keep New York subway riders connected by **financing, designing, and building** a neutral host Distributed Antenna System (DAS) network and a free Wi-Fi network in all **280 underground stations** of the New York City subway system. The Transit Wireless network is comprised of outdoor Distributed Antenna Systems (oDAS), indoor Distributed Antenna Systems (iDAS), small cells, and Wi-Fi Access Points connected by a **150-mile, carrier grade fiber optic network** that incorporates five Base Station Hotels across the city.

The highly resilient network provides connectivity to millions of daily subway riders and enhances rider safety. Riders in connected stations can access **E911** through four major wireless carriers: AT&T, Sprint, T-Mobile, and Verizon Wireless. Transit Wireless also provides the infrastructure for NYCT's 4.9 GHz **public safety Wi-Fi network** that is being utilized by MTA/NYCT to provide wireless connectivity to **Help Point terminals** in the subway. Transit Wireless believes public safety is critical to the subway environment, and thusly, built additional capacity and scalability into the network to support future Public Safety applications.

Our network operations center provides **24/7 monitoring** and **onsite remediation 365 days a year**. Wi-Fi network usage alone has topped **400,000 logins daily**, averaging **10.1 million logins per month**, with users spending an average of **11 minutes per session**. The engineering and construction expertise, physical plant, financial strength, organizational capabilities, and commercial acumen that enabled Transit Wireless to design and complete the New York City Subway station project nearly **two years ahead of schedule** can be extended to transit, municipal, and enterprise projects around the world.

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## EXECUTIVE BIOS



### **WILLIAM BAYNE**, *Chief Executive Officer*

William Bayne has more than 20 years of vast global experience encompassing strategic, operational, and commercial business leadership with a strong financial background leading multiple national projects. As Chief Executive Officer of Transit Wireless, Mr. Bayne oversees all departments including Product Development, Supply Chain, RF Engineering, Finance, Design and Construction, Sales and Marketing, and continues to expand the organization through strong leadership, its advanced technology business solutions, innovative engineering designs, and value add customer solutions.

Mr. Bayne has a Bachelor's of Science in Accounting from Quinnipiac and a Master of Business Administration from the University of New Haven where he also received the Alcatel Global High Speed Award and is in the University's Business School Hall of Fame. In addition, Mr. Bayne is a Certified Public Accountant in the State of Connecticut, has served as the RFS – Global Executive Committee Member and President of RFS, Inc., along with serving on several company Board of Directors.



### **KEITH FRIEDMAN**, *Chief Financial Officer*

Keith Friedman has more than 20 years of experience providing financial and operational leadership for global infrastructure companies. Prior to joining Transit Wireless, Mr. Friedman served as CFO for the Global Infrastructure Services business unit of Computer Sciences Corporation, accountable for one-third of revenues and profits for the company. He previously spent 13 years at Avaya in a variety of roles including Vice President & CFO for the Avaya Global Services business unit, accountable for one-half of company revenues and profits.

Mr. Friedman worked his way up and around Avaya serving as Director of several different areas spanning accounting, financial planning & analysis, investor relations, mergers & acquisitions, and treasury functions. He started his career at Deloitte & Touche before joining Avaya.

Mr. Friedman is a Certified Public Accountant with a B.S. in Accounting from Rutgers University.

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## **HARBINDER SINGH**, *Director of Product Development*

Harbinder Singh launched over 20 new products and services for mobile devices and wireless networks in his career before joining Transit Wireless as the Director of Product Development. Mr. Singh leads the product development organization at Transit Wireless. His team is responsible for identifying, developing and testing of new solutions for Transit Wireless customers, and working with 3rd party vendors to develop integrated solutions that have been tested and verified in customer networks.

Previously, Mr. Singh worked for Motorola solutions where he lead the product management team and focused on public safety broadband markets. Throughout his career he worked for Ericsson, Cisco, Nokia Networks, Motorola Mobility and Verizon Wireless in areas of RAN, mobile core, mobile devices and RF engineering. Mr. Singh has conducted market studies, performed competitive and trend analysis to develop product and investment plans, and also previously interacted with global customers and analysts for both commercial and public safety markets.

Mr. Singh holds an MS in Electrical Engineering from University of Illinois at Chicago and an MBA from NorthWestern University's Kellogg School of Management.



## **SAEID MALAKI**, *Director of Design & Construction*

Saeid Malaki is an integral part of the Transit Wireless team with more than 15 years of global experience in design and construction engineering. Mr. Malaki oversees the engineering and project management teams and leads the build and deployment of the network. He has creatively constructed and designed the DAS fiber network and data centers for the New York City subway project.

Prior to his career at Transit Wireless, Mr. Malaki was the project manager for United Constructors Company, Columbus Construction and NAB Construction. In his previous roles he managed multi-million international and domestic engineering projects for major commercial, residential and civil construction. His experience with estimating and preconstruction services has allowed him to emerge as an industry expert in the development of bid packages, value engineering and bid analysis.

Mr. Malaki has earned his Bachelor of Science in Civil Engineering and a Master of Science in Construction Management from Columbia University.

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## **THOMAS MCCARTHY**, *Director of Network Operations*

Thomas McCarthy has more than 20 years of experience in network operations, security and Information technology management. Tom manages operations for Transit Wireless' wireless, Wi-Fi and fiber services leading the deployment of the information technology and operations network of Wi-Fi services.

Previously, Mr. McCarthy worked as the Director of Information Technology for Jet Set Sports where he managed the Information Technology department. During his tenure, he led a team to help grow a multi-million-dollar business by developing an Enterprise Resource Planning (ERP) system to support operations for Vancouver 2010, World Cup, London 2012 and future games. Additionally, he developed a SaaS (Software as a Service) business by licensing the software to multi-billion-dollar corporations and host countries.

Mr. McCarthy earned a Bachelor's of Science in Computer Information Systems Management with honors from the Colorado Christian University and a Master's of Science in Technology Management with honors from the Stevens Institute of Technology. He received the Regional PMI Award for Secure Financial Transaction Infrastructure in 2008 and is certified in ITIL.



## **BILL KNOWLES**, *Director of Supply Chain Management*

As Director of Supply Chain Management, William Knowles directs, administers and coordinates supply chain management activities in support of corporate policies and department objectives. Mr. Knowles leads his procurement team in supply chain management, make/buy analysis, supplier partnerships and development. His expertise include construction, property leasing and commercial negotiation.

Prior to joining Transit Wireless, Mr. Knowles was Director of Procurement for Mitsubishi Hitachi Power Systems, a leading supplier of equipment and services for the Power Generation Industry. His experience also includes sales, engineering, and project management responsibilities for the successful construction of several major coal-fired power plants in North America.

Mr. Knowles earned his Bachelor of Science in Mechanical Engineering at Bucknell University in Lewisburg, Pennsylvania and is a member of the Institute of Supply Management (ISM).

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## **ERIC MERCER**, *Director of Wireless Business Development*

Eric Mercer joined Transit Wireless in 2011 as the Director of Business Development and uses his industry knowledge, operational and legal expertise to successfully manage and build relationships with wireless carriers. Mr. Mercer secures long-term contracts with wireless carriers to provide wireless service to the riders of the New York City subways.

Prior to joining Transit Wireless, Mr. Mercer was Chief Operating Officer of Dianet Communications, responsible for developing relationships with major wireless service providers at both national and New York market levels, in addition to negotiating DAS master and site-specific agreements. Mr. Mercer also worked at Bechtel Telecommunications, managing leasing, zoning and constructing of wireless sites in the New York and New Jersey markets. He supervised the full-scope of teams from site acquisition, legal, engineering, construction personnel and sub-contractors developing more than 1,000 wireless sites.

Mr. Mercer earned his Bachelor of Arts in History from Emory University and a Juris Doctorate from the Benjamin N. Cardozo School of Law.



## **BRIAN JACKS**, *Wi-Fi Business Development Lead, North America*

Wi-Fi Business Development Lead, Brian Jacks is responsible for the monetization of cellular and Wi-Fi infrastructure within the New York City subway system. Mr. Jacks joined BAI in 2013 as VP Corporate Development North America after providing consulting services for approximately 2 years. He previously led BAI expansion activities in Toronto as interim CEO.

Previously, Mr. Jacks was on the leadership team at Crown Castle International (CCI), where he had P&L responsibility for an organization of more than 400 people and over \$2B in tower assets. He held several positions at CCI, including VP Business Development and Strategy, President and Chairman of the Board of two Verizon joint ventures and Area President of Tower Operations. Mr. Jacks launched Crown Castle Solutions that sold, deployed, and operated Distributed Antenna Systems (DAS) across the US. Mr. Jacks also served as board liaison for several CCI investment interests including Azonic Networks, Transcept and FiberTower.

He holds an M.S. in Technology Management from the University of Pennsylvania and a B.S. in Mechanical Engineering from Drexel University.

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## **STEVE RAMKISSOON**, *Director of HCM & Administrative Operations*



Steve Ramkissoon is an emerging executive with more than 15 years of finance, operations and human capital management experience demonstrating exceptional leadership and strategic management expertise. As Head of Human Capital Management of Transit Wireless, Mr. Ramkissoon oversees company policy and procedures, human resources and organizational planning. He continues to integrate the organizations globally through internal initiatives, expanding and enhancing employee engagement through system implementation and events.

Previously, Mr. Ramkissoon served as the Controller for Transit Wireless delivering vision, critical analysis and recommendations to key stakeholders while leading cross-functional teams to resolve challenges, improve processes, implement systems and reduce expenses in a dynamic environment; while providing support to additional entities within BAI Communications. His financial and operational background specifically within start-ups and technology industries has helped to develop the internal structure and communications within the business.

Mr. Ramkissoon has a Bachelor's of Science in Business Administration from Baruch College and is a Certified Cash Manager (CCM) and Certified Treasury Professional (CTP).

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## TRANSIT WIRELESS FAST FACTS

- Transit Wireless is headquartered in **New York City**.
- Transit Wireless has a twenty-seven-year contract with the Metropolitan Transportation Authority (MTA) to bring **free Wi-Fi, wireless, and enhanced public safety communications services** to all of New York City's underground subway stations.
- Transit Wireless completed installation of the New York City underground subway project in December 2016 – nearly **two years ahead** of the original time frame.
- Transit Wireless designed and built one of the most extensive **neutral host** Distributed Antenna System (DAS) networks in the world.
- Cellular phone service over the Transit Wireless network is provided by the company's four wireless carrier partners: **AT&T, Sprint, T-Mobile and Verizon Wireless**.
- Transit Wireless installed **120 miles of fiber optic cable** throughout New York City to support the wireless, public safety and Wi-Fi network it is building to connect the MTA's underground subway stations.
- Transit wireless Wi-Fi network operates in **280 underground subway stations** within New York City's subway system (2017)
- Transit Wireless constructed **five state-of-the-art data centers** in New York City as part of its network that serves riders in the MTA's underground subway stations.
- Transit Wireless has installed more than **7,000 antennas connection points** in New York City's underground subway stations. (2017)
- Transit Wireless built the infrastructure for **5,000 Help Point Intercoms** within the New York City subway system. (2017)
- MTA subway riders used more than **2.134 PBs** of Transit Wireless' service in the third quarter of 2017. (2017)
- MTA subway riders spend an average of **11 minutes per session** to the Transit Wireless network. (2017)
- Transit Wireless' network enables an average of **10.1 million Wi-Fi sessions** per month (2017)