



CUSTOMER SUCCESS STORY

# REDLINE VIRTUAL FIBER™ WIRELESS SOLUTION ENABLED REMOTE MONITORING, MANAGEMENT AND CONTROL IN THE ARCTIC CIRCLE

**B**affinland is a Canadian iron ore mining company with mining sites located in the northern part of Baffin Island, Canada, above the Arctic Circle. Due to the remote location, access is only fly-in fly-out. With long and extreme cold winters and short cool summers, they can only ship ore for a short time during the open water season. Surrounded by land rich with iron ore, Baffinland was further challenged with propagation of RF signals.

**HIGH LATENCY SYSTEM UNABLE TO SUPPORT REAL-TIME CONTROL & MONITORING**

Baffinland needed a solution to enable real-time remote monitoring, management and control of a key part of their operation — the conveyor belt which ran between the mobile ship loader systems and the feeder subsystems. After using other digital broadband wireless systems, it was determined that a different communication solution was required to address the reliability and latency needs of the critical communications links.

## **RELIABLE HIGH-SPEED WIRELESS FOR PMP CONNECTIVITY**

Having worked with Redline previously, Baffinlands' Head of IT reached out knowing that Redline had rugged built solutions and the



## ACHIEVING REQUIRED RELIABILITY AND PERFORMANCE IN RECORD TIME

On the first installation, Redline's broadband wireless solution delivered the customer's required performance. "Having worked with Redline previously, I was confident that they could deliver the high-speed communication required to enable us to remotely control and monitor the long stretch ship loader system in real-time." said Jean-Christophe Perrelet, Head of IT. "Because time wasn't on our side, we were very pleased with Redline's responsiveness and their ability to get the new wireless network up and running as expected with the first attempt."

ability to deliver high quality point-to-multipoint (PMP) communication systems for the most challenging environments.

Within ten days, the Redline team of engineers and installers prepared all the required equipment to be airlifted to the site. Given the remote location, thoroughness was essential and the team ensured that every detail had been considered and prepared for to prevent costly downtime during the switchover.

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### ABOUT REDLINE COMMUNICATIONS

Redline Communications is the creator of powerful wide-area wireless networks for the world's most challenging applications and locations. Used by Oil & Gas companies, militaries, municipalities and telecom service providers, Redline's powerful and versatile networks securely and reliably deliver voice, data, M2M and video communications for mission-critical applications.

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