



Challenge

Overcome the challenge of obtaining RTK corrections with the sporadic cellular coverage issues and UHF interference confronting surveyors working in the oil fields in rural Colorado.

Solution

The Intuicom RTK Bridge-X, with its industrial-strength cellular capabilities, is able to get corrections where cell phones can't. "We use the RTK Bridge-X to grab a correction through the Internet where a typical cell phone won't connect," says Chuck Hutchins, Geodetic Sales and Support Manager, Vectors, Inc. "We then convert those corrections to UHF and rebroadcast them locally at 1 watt out of the RTK Bridge-X." With the limited number of frequencies available, and the growing number of survey crews working in the field simultaneously, interference is a common occurrence. "Working locally, closer to your radio and not pushing out such a strong signal, is the key to operating successfully in the oil patch," mentions Hutchins. "And since the RTK Bridge-X can be put in a truck, it serves as a mobile platform that can move with the crews maintaining their connection when no other options exist." With most oil patches being inside the coverage area of a GPS network of base stations (such as a Trimble-owned network, or a privately-owned network like TopCon or Leica), the RTK Bridge-X proves to be an effective alternative to purchasing a base station and a UHF radio. Hutchins adds, "It would take you years to recoup the money spent on a base station if you were to simply buy an RTK Bridge-X instead."

Benefits

Vectors, Inc. is able to provide its customers an extremely cost-effective and highly-reliable alternative to purchasing a base station and a UHF radio, without compromising the goal of obtaining accurate RTK corrections out in the oil fields.

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