



Team Simoco

team talk

Press Release



Xfin Radio System Ensures Emergency, Mission Critical Communications for Kazakhstan-China Pipeline

Team Simoco Xfin system goes live to deliver robust communications across 19 sites and 1000 kilometres of pipeline in one of the world's most remote working environments

11 March 2009 – Team Simoco has installed an advanced mission-critical Xfin radio system for the Kazakhstan-China Pipeline (KCP) to ensure reliable communications across 1000 kilometres of pipeline in one of the world's remotest locations.

The Xfin Multisite system enables effective and robust communications along the length of the Kazakhstan-China Pipeline, which links Atasu in central Kazakhstan with Alashanku in Western China, a distance of one thousand kilometres.

Health and Safety was a key concern in KCP's choice of radio system for their staff working along the pipeline. Team Simoco's Xfin technology ensures operators working on the pipeline can communicate effectively and that appropriate action is taken in any emergency situation to maintain staff safety and allow a timely shut-down of the pipeline.

The operational radio system consists of 19 sites each equipped with Xfin base stations. Key staff are equipped with portable radios and vehicle mobiles to enable them to communicate effectively, whilst working remotely. Each site has between three and five channels of Xfin, and they are linked over an IP network deployed along the entire length of the 1,000-kilometre pipeline.

Judy Xu, Team Simoco Business Development Manager China said: "Initially the KCP team believed that only a digital TETRA solution could meet their exacting requirements. But when our engineers looked at the particular challenges presented by the project they quickly recognised the advantages of deploying our Xfin technology."

The system provides enhanced voice and data communications between sites to ensure reliable coverage across some of the world's most remote terrain and guarantee secure and resilient communications in the event of any emergency situation.

Carsten Albrecht, of Procurement and Sourcing at Alcatel Lucent commented: "The Xfin solution combines digital IP networking with a trunked system air interface enabling KCP to achieve a future-proof design whilst achieving cost and coverage objectives."

Ian Carr, Team Simoco Managing Director added: “The KCP project demonstrates Team Simoco’s strength as a solutions provider. Success lay as much in our planning and engineering capability as in our superior Xfin technology. Nevertheless, the project offers further evidence of Xfin’s capability in critical and challenging environments.”

The Xfin Multisite provides a fully functional system controller and base station in a single, rackmount unit. It delivers voice communications over an IP backbone, and includes integrated telephony channel interfaces as standard, allowing dynamically allocated telephone audio to be routed over an IP network to any traffic channel.

The future-proofed design enables easy network expansion, while its distributed IP system architecture and multiple fallback modes means Xfin is the only inherently resilient MPT1327 system. Xfin’s remote diagnostics enable centralised management control, and its hot-swap modular replacement enables live system maintenance without loss of service.