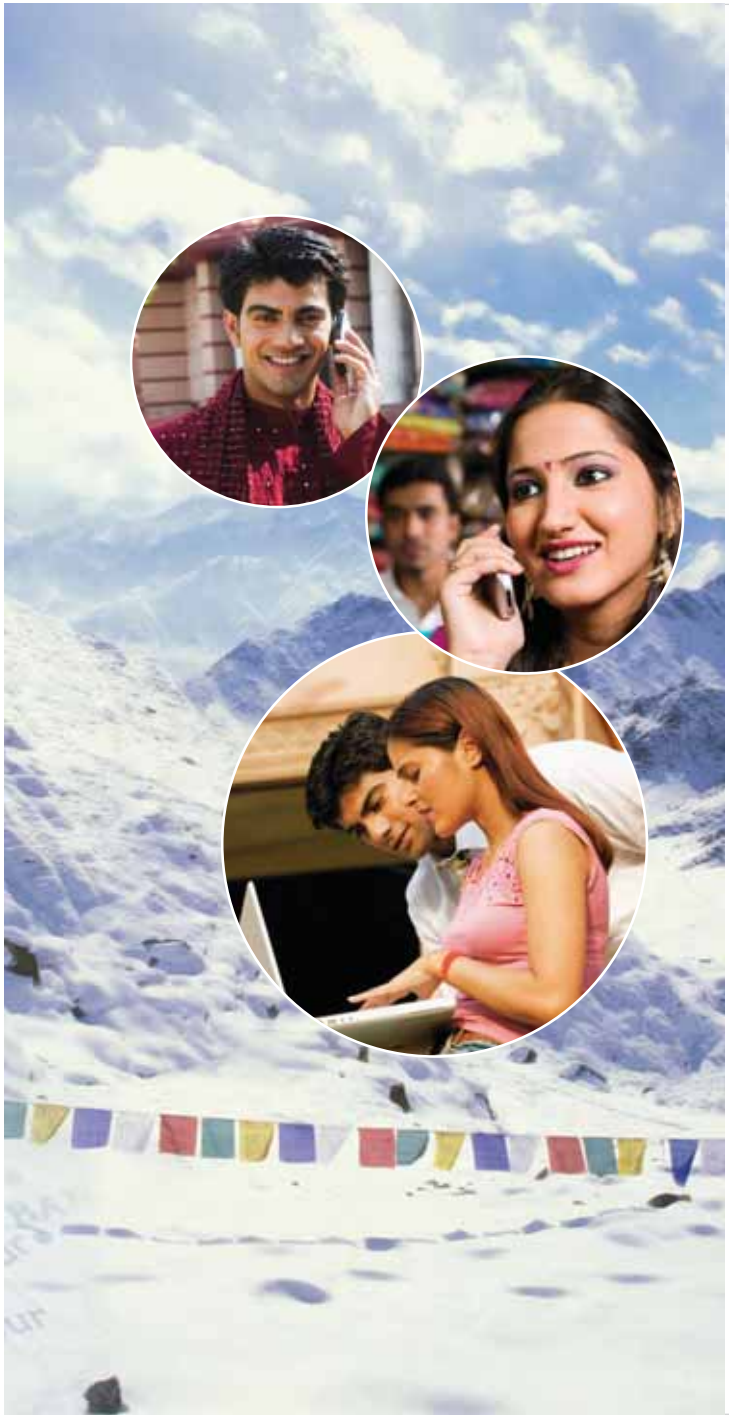

ANDREW®
A CommScope Company

# Connecting Wireless Users in India, One of the Fastest Growing Mobile Phone Markets

***One of the world's fastest growing mobile phone markets, India is home to more than 16% of the world's population and approximately 5% of the world's two billion wireless users. So when global communications provider Nokia Siemens Networks secured a $900 million contract from India's largest mobile phone operator to help expand its communications network in 2007, it turned to long-time collaborator, Andrew Solutions, for help.***


As an ongoing project that will take years to complete, this epic challenge will require the right resources, efficiencies, and a true vision of the best way to get the job done. The expansion will require a vast amount of RF transmission cable plus all the connectors, accessories, and tools to bring it together.

*"We are actively seeking innovative ways to help our customers increase network efficiency and improve operational costs. We chose HELIAX FXL Aluminum cables for this project for its ability to achieve these benefits, and Andrew because of its legacy and track record in cable solutions."*

*Michael Kuehner, Head of India sub-region, Nokia Siemens Networks*

**The challenge goes far beyond cable**

Andrew's manufacturing plants can produce all the RF transmission cable needed for the project and provides comprehensive "site-kitting"—different parts of the RF sub-systems like cables, connectors, base stations, etc., will be consolidated and shipped as a single batch to the actual cell site. Some parts might even be fitted together first and then shipped to the site, reducing installation time on site. This makes Andrew a true turnkey solution. But the challenge of this project goes far beyond producing enough cable.

**Extreme environments call for extreme performance cable**

India's 1,269.346 square miles include some of the most extreme climates in the world. The western state of Ladakh is one of the coldest places on earth while the eastern state of Meghalaya is the world's wettest. These harsh environmental conditions can wreak havoc on the average RF transmission line cable. So in addition to meeting demand, Nokia Siemens Networks must beat the elements. That's why they chose Andrew's HELIAX® FXL Aluminum RF transmission cable for the project.

The HELIAX® FXL Aluminum product line represents an evolution in RF transmission cable. Made with a highly flexible aluminum outer conductor, HELIAX FXL is considerably lighter than all-copper alternatives. This makes it easier to install and significantly reduces tower loading. At the same time, the cable's unique, triple-bonded, smoothwall design allows for a complete physical bond that goes three layers deep—outer sheath to outer conductor to closed foam micro-cell dielectric. The result is a cable that virtually eliminates water migration, even during India's infamous monsoons.

HELIAX FXL also delivers lower attenuation, higher crush strength, and is environmentally friendly. And because HELIAX FXL is made primarily from aluminum, it's more efficient to recycle and offers a more stable raw material cost. These environmental attributes and cost-savings will prove beneficial for Nokia Siemens Networks and for the 1.14 billion citizens of India.

Join the Evolution