Experior Networks provides advanced communications solutions and services to carriers, enterprises, utilities, schools, and government agencies. Their reliable end-to-end solutions combine advanced products, industry partnerships and leading edge management capabilities to design solutions that solve bandwidth challenges. Experior Networks are based in Arizona, USA.

Experior Networks were looking for microwave radio equipment to suit their needs for building a wireless backhaul in Mohave County and Laughlin, state Nevada. They made an extensive research on various IP radio manufacturers where such crucial factors as company reputation, product range, reliability of the product, features, power consumption, warranty, price and ability to provide full turn-key solution were considered before making the final decision. The company wanted their wireless network to be built utilizing reliable wireless equipment which would withstand harsh environmental conditions typical for the region.

Torrey Point is a leading IP and MPLS network integrator focused on maximizing the return on technology investment for worldwide customers. The company offer network and storage planning, design, installation and operations services for select enterprise, carrier and government customers. Their deep and specific knowledge of datacenter, IP edge and IP/MPLS-enabled core networking and security services sets us apart from the competition.

"We found SAF when doing research on carrier-grade IP radios from companies with a solid reputation. We built our network from the ground up using SAF radios for all our wireless links on our core network and we are very pleased with SAF products we have deployed. The products have proven to be very reliable and stable for both short and long distances, operating flawlessly even in harsh weather conditions."

Chris Henshaw
CEO, Experior Networks

CUSTOMER
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SYSTEM INTEGRATOR
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CHALLENGE
Experior Networks were looking for microwave radio equipment to suit their needs for building a wireless backhaul network from fiber points of Tier 1 fiber carrier Level3 in Mohave County and Laughlin, state Nevada. They made an extensive research on various IP radio manufacturers where such crucial factors as company reputation, product range, reliability of the product, features, power consumption, warranty, price and ability to provide full turn-key solution were considered before making the final decision. The company wanted their wireless network to be built utilizing reliable wireless equipment which would withstand harsh environmental conditions typical for the region.
**SOLUTION**
Based on previously set criteria Experior Networks chose SAF microwave radio systems. SAF Tehnika provided a complete turn-key offer to the customer by building and connecting the network to Level 3 fiber points using CFIP radio equipment and support of local system integrator Torrey Point. SAF performed network topology studies, path calculation and network engineering together with Torrey Point engineers. Furthermore, SAF also did on-site training, provided test equipment and sent their engineers on-site for flawless network rollout.

Experior Networks were very pleased with the turn-key project implementation. SAF products proved to be very reliable and stable for both short and long distances. The radios have held up well under some very harsh environmental conditions including 125°F (+51°C) temperatures in the summer in both Lake Havasu City and Bullhead City, Arizona as well as in the mountains covered in snow at 8500 feet (2590m) elevation. Experior Networks run voice traffic, IP, critical data including live multicast for six radio stations and the radios have been working flawlessly. Deploying SAF radios they have a redundant carrier-grade network with high capacity backbone to several key interconnection points.

**Details of the network**
- **Equipment:** SAF CFIP Lumina and CFIP PhoeniX
- **Longest Link distance:** 44miles (70km)
- **Frequency:** 11; 18; 23; 24 GHz
- **Capacity:** up to 366 Mbps (per radio)
- **Services:** Ethernet