



ALTOBRIDGE



"The end is
where we
start from."

T.S. Eliot,
Four Quartets.

Local Community Communications™

Mobile Operators have been successful in addressing the requirements of metropolitan and densely populated areas. Rural areas present a very different challenge – high barriers of entry and low returns. Legacy and new generation cellular communications solutions face a common set of barriers to entry.

While wireless infrastructure and handset pricing erodes, the real underlying costs, the high cost of transmission in areas without a reliable terrestrial telecom infrastructure, remains high. This remains the single biggest barrier to entry. Even when there is access to limited E1/T1 transmission the cost is prohibitively high, particularly in emerging markets. Microwave can only reach so far before costly towers requiring high capital investment, power supply and security need to be introduced. Abis over satellite solutions (coupled with compression functionality) are becoming increasingly popular but can be too expensive for smaller communities and unacceptable for local calls both from a quality and a cost perspective.

With Altobridge's patent pending technology, operators can now provide local switching at the Base Station site transparent to the installed infrastructure and fully compatible with their current suppliers equipment. Local mobile to mobile calls will be switched at the base station. The solution also allows calls to and from local PSTN (Local Interconnect) to be switched at the site rather than back hauling them to the MSC and then back. The solution will provide a very positive impact on OPEX and local call quality and removes the integration issues typically associates with such solutions e.g. O&M, Charging and Feature Transparency. Soft switches present their own challenges such as feature transparency and network integration.

Key Benefits

- Significantly increased Return on Investment for network operators.
- Increased local call quality as delay is reduced.
- Cellular network vendor independent.
- Backhaul transmission network independent.
- MSC in full control of all calls.

FURTHER INFORMATION

Additional technical, commercial and market information is available by contacting us directly.

Altobridge Ltd., Kerry Technology Park,
Tralee, Co. Kerry, Ireland

T: +353 66 7190210
F: +353 66 7190022
W: www.altobridge.com
E: info@altobridge.com

Altobridge Corporation,
1577 Spring Hill Road, Suite 270,
Vienna, VA 22182,
United States of America
T: +1 703 752 1875
F: +1 703 752 1085