Transform Your Great City into a Smart City

Smart City initiatives turn municipalities into the networked organisms of the future, bringing new opportunities and fostering cooperation between local governments and their residents. Smart city initiatives can increase the quality of life, make municipal services more efficient, and promote job growth – all while potentially reducing operational costs. Alvarion’s wireless broadband solutions offer 100% privately-owned connectivity that help transform cities from heavy-weight consumers of communications into 21st century providers of broadband services with anytime, anywhere access to voice, video and data.

- Public safety and video surveillance
- Educational networks and Digital Inclusion initiatives
- Internet and telephony for municipalities, businesses and residences
- Traffic monitoring and control
- Meter reading and asset protection
- Leased line replacement

To build your smart city network, contact us at smartcity@alvarion.com
**Communaute de Communes Roissy Porte, France**

**Internet Access, Video Surveillance & Municipal Leased Line Replacement**

CCRPF is a community of 17 towns and villages surrounding Charles de Gaulle airport. Although it has a population of only 54,000, there are many factories and over 100,000 workers arrive daily. Since the area is sensitive to crime, the CCRPF selected Alvarion technology for deploying a wireless video surveillance network with more than 80 base stations. When budgetary constraints halted the video surveillance project, the CCRPF's IT department leveraged the Alvarion network to replace the expensive leased lines that connected the town halls. When additional budget was made available, the CCRFP selected Alvarion for deploying a new dedicated police network with AES-128 encryption. The second Alvarion network gives local police real-time access to a regional database while they monitor video feeds from their villages.

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**Johannesburg, South Africa**

**Wireless Access**

Although city employees were demanding more capacity and access to key business applications, upgrading and expanding the existing wired network was too costly and too time-consuming. South Africa’s largest metropolis needed to find a quick, cost-effective method for providing broadband access to all of its municipal offices. Using Alvarion, the City of Johannesburg deployed a wireless broadband network that provides high-speed broadband to 500 municipal buildings. Users are now able to access key business applications while more bandwidth ensures that they no longer have to wait up to several minutes for a request to be processed on a central server. ROI for the first phase of the project was achieved within just three months.

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**Krosno, Poland**

**Education, Public Safety & Security, Hot Spots, Utilities**

The City of Krosno sought to provide broadband to the city’s schools as part of an e-education initiative. Since the incumbent operator could provide only limited ADSL service the municipality decided to build its own network. Due to budget restrictions, and strict regulations prohibiting digging and trenching in the historic heart of the city, the city selected a wireless broadband network from Alvarion. After rolling out broadband services to 13 schools, municipal officials recognized the enormous flexibility of the network and the potential of its support for quality of service (QoS). They quickly started using it for a new video surveillance solution that included a nomadic camera attached to a police vehicle. Later, the network was further extended to offer hot spots, as well as to deliver VoIP and transmit SCADA data from the local utility company.

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**Houston, USA**

**Transportation and Leased Line Replacement**

As the 4th largest municipality in the US, Houston needed to optimize its traffic system to enhance public safety. The city selected an Alvarion wireless broadband solution for its huge savings on infrastructure expenses and its easy remote management. The new network helped relieve congestion throughout the city through the remote control of 2500 intersections and 1500 school zone flashers. The network was leveraged to dramatically reduce municipal operating expenses by replacing T1 connections at more than 500 city facilities. The city also connected its mobile AMR system to the wireless broadband network to remotely monitor 500,000 water meters. Extra capacity is being used to give free Internet access to more than 300,000 children in underserved, underprivileged communities through public computer centers that provide a safe environment for learning and fun.

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**About Alvarion**

Alvarion Ltd. (NASDAQ:ALVR) provides optimized wireless broadband solutions addressing the connectivity, coverage and capacity challenges of telecom operators, smart cities, security, and enterprise customers. Our innovative solutions are based on multiple technologies across licensed and unlicensed spectrums. (www.alvarion.com)