

## Alvarion in the Municipality: Wire less. Do more.

Making it all work depends on efficient communications networking among a large variety of players, including major utility companies, law enforcement agencies, educational institutions, traffic control, sanitation and public health services, and more. Employing Alvarion's broadband wireless communications equipment in the municipality overcomes networking obstacles, transcends departmental boundaries and builds bridges to seamless interoperability – exactly what local government is mandated to do in the service of the public's best interests.

Government departments that work together over a single integrated network achieve greater results. Wireless is an enabling technology that empowers communities with the ability to own a versatile, cost-effective and robust network infrastructure that addresses complex communication challenges with straightforward solutions. It eliminates the exorbitant recurring costs of leased lines and empowers municipalities and the communities they serve with the ability to own a robust, future-proof network capable of delivering myriad services to a wide variety of users.

Deploying Alvarion's wireless systems enables every vital link in the community service chain to communicate, share mission critical data and access information in real time. Wireless makes the community infrastructure a well-oiled machine, rendering every municipal player transparent to its dependent counterpart. It facilitates collaboration; eases inter-departmental cooperation; eliminates wasted manpower hours and bureaucratic snags; and enables the attainment of better efficiency and result-oriented services for all.

Alvarion's systems benefit communities on many levels, from how their neighborhoods are protected (surveillance and law enforcement) to how their children are educated (distance learning programs and remote access to libraries) to how smoothly they get to work every morning (intelligent traffic control).

Deploying Alvarion's broadband wireless solution in areas where broadband services are simply not available changes the entire character of the community. Residential neighborhoods can enjoy broadband Internet access connectivity; suburban commuters can also work from home and download vital files and applications from their enterprise's server; and local businesses can stay local while simultaneously hooking up to the world of global commerce.



**Wireless is the missing  
Win-Win piece  
in the community  
communications puzzle.**

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## Alvarion: Empowering Your Community



### About Alvarion

With more than 2 million units deployed in 150 countries, Alvarion is the worldwide leader in wireless broadband providing systems for point-to-multipoint connectivity and backhauling to carriers, ISPs and private network operators.

With over a decade of technology standards leadership and the industry's most extensive product portfolio covering the full range of frequency bands, the company is the world's largest pure play provider of wireless broadband networking infrastructure for last mile communications markets. Financially strong and built to last for the long term, its world class products and technological platforms installed worldwide address the needs of every major BWA segment.

### Alvarion: Empowering the Community

The following field-proven Alvarion systems are ideal for improving municipal communications and operations: BreezeACCESS®, BreezeNET®, BreezeMAX™.

### Municipal Application



## Alvarion's Broadband Wireless Offering: Boosting communications in the community



### Public safety

Connecting all the links in the public safety chain is a formidable task. Law enforcement agencies, fire fighters and rescue workers, Emergency Medical Service (EMS) professionals and more depend upon robust inter-departmental communications for it all to work effectively. Alvarion's industry-leading wireless systems link them all together in a network that is independent of landline infrastructure. They enable real-time, mobile broadband access to critical databases, seamless voice services, live video feeds from geographically-spread surveillance cameras and a host of other services. Wireless literally creates a new and more efficient paradigm for public safety agencies to work together, save costs and significantly utilize existing manpower more effectively.



### Building connectivity

Municipal agencies typically occupy a large number of buildings scattered in various places throughout a city or township, creating a networking nightmare and leaving many offices helplessly outside the loop. With a wireless system installed, geographic limitations and being out of reach of infrastructure are no longer issues. Budget planners can look forward to cost-efficient one-time investments and none of the expensive recurring costs associated with leased lines, taking a responsible pay-as-you-grow approach. Need a building connected to the municipal communications network? Simply install an inexpensive wireless unit at the site and a world of possibilities opens up. Everyone in the municipal equation can be part of the network loop and have access to critical data, application sharing, Internet access and more.

### Coverage extension

Wireless is the great equalizer, offering possibilities as limitless as the imagination. The technology and equipment easily apply to extending broadband access to remote residents, surveillance feeds from inner city highways or external freeways for better traffic control and crime prevention; municipal inter-agency connectivity; and the creation of a streamlined and efficient regional network.

The significance of this last point cannot be emphasized enough. Easily deployed wireless systems are often the only viable means of extending basic and advanced communications services to smaller satellite townships that are beyond the reach of the nearest E1 infrastructure – both physically and fiscally. Hooking them up to wireless means that they can enjoy a more open and flexible dialog with the municipal service departments in the greater community in their area – at a fraction of the cost of landline rollout. Moreover, smaller schools and remote college campuses can be easily connected to their larger counterparts, enabling an education system with a broader reach and the launching of e-Learning services.

### Monitoring services

Next generation efficiency systems, such as ITS (Intelligent Traffic Monitoring) and AMR (for Automated Meter Readings of water and electric utilities) are ultimately only as deployable and effective as the communication network that enables their data distribution. Alvarion's wireless network delivers on the promise of these new monitoring systems by providing an instant infrastructure for relaying data and images back to a central control center.

### Infrastructures

Alvarion's wireless systems provide robust, flexible and fully independent communications networks not only for public buildings but also for municipal public service agencies, such as water and electric utilities; sanitation fleets; public transportation vehicles; and health, building and zoning inspection teams.

