

Schwechat's WLAN Network and its Applications

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What is airNET Schwechat?

An initiative to transform and strengthen the economy of **Schwechat** by providing wireless Internet access throughout the community.

airNET Schwechat is an investment in the people and businesses of Schwechat aimed at making the **Information Society** a reality for its citizens.

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Goals of airNET Schwechat (1)

- Enhance competitiveness and attractiveness of the municipality by investing in citizens and businesses
- Extend municipal IT budget and staff through a public private partnership

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Goals of airNET Schwechat (2)

- Develop a long-term commitment from municipal officials towards the digital city vision
- Establish functional virtualization at the municipal level by transferring many urban functions (commerce, health, education, finance, etc.) to the digital network (e-commerce, telemedicine, e-learning, home banking, on-line trading)

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Goals of airNET Schwechat (3)

- Use Schwechat as a test bed for research in technologies supporting the digital city transformation
- Generate ideas for new and innovative applications via brainstorming and multi-sectoral workshops
- Create digital mobile services incl. personalized content provision (tourism, utilities, real estate, culture and entertainment, etc.)

Key to success

The success of airNET Schwechat will depend on the applications that drive ROI.

The project will leverage software solutions that directly touch people all over the city and from many walks of life: ambulance and fire crews, building inspectors, road crews, small businesspeople, parents, teachers, students.

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Digital Community applications (1)

**e-government – get online instead of in-line:
government services accessible anywhere,
anytime**

**Utility management – innovative solutions to
enhance efficiency and improve service**

**Public safety – making your community safer
and improving worker efficiency**

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Digital Community applications (2)

Public transportation – improving passenger service and saving money

Health services – saving money, saving lives

Mobile services – the possibilities are only limited by our imagination

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Government workers are more efficient as electronic information follows them everywhere and is available anytime. Information is available at the point of decision, as opposed to in a centralized, synchronous location.

From sanitation workers to civil engineers, employees of all types show productivity gains due to better information—more timely information and improved workflows.

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Utility Management

Utilities can use the new wireless network to share data, improve workforce efficiency, monitor infrastructure and improve customer services.

From repair crews to civil engineers, employees of all types show productivity gains due to better information—more timely information and improved workflows.

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The wireless network is an important tool for improving information flows among Public Safety organizations making them more responsive and efficient.

A variety of wireless applications exist that improve productivity of units in the field, reduce crime and make our communities safer.

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Public Transportation

The wireless network allows public transportation firms to track and optimize the movements of vehicle fleets, reduce communication costs, and improve passenger experience.

Innovative wireless applications can play an important role in reducing costs and increasing ridership levels.

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Mobile Care Services

Mobile health care can keep patients in their existing home environment with access to mobile health and care services.

The wireless network allows mobile care services to:

- optimize their service level,
- increase efficiency of administering mobile care
- raise patients' satisfaction.

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Home Delivery Services

The wireless network can facilitate distribution services of the Retail Industry beside traditional onsite shopping, home shopping gains more and more importance. The customer orders items over the internet and the retailer delivers at the customer's home.

The retailer links customer's orders with internal IT- delivery system. Deliveries can be tracked with W-Lan.

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