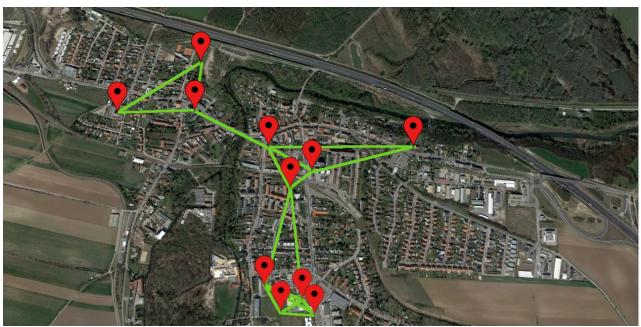# CCTV in Austria plus public WiFi

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The community in Austria has just under 6,000 inhabitants and is localed in the east of Austria and covers an area of 25 km³.

An independent infrastructure has been created in the municipality with the help of mesh technology, which is used for the following purposes:

- Connection of surveillance cameras and streaming of data to a central server
- Construction of a publicly accessible WiFi, which is based on the mesh and allows visitors and residents to access information about the community
- Connection of (mobile) employees of the community for internal communication (e.g. building yard)

The data on the radio interface is protected separately. Unlike wired transmission, all data is encoded using an AES256.

For the camera locations, places were chosen where an increased need for control is essential. In the past, damage and theft occurred here (sports grounds, cemetery, etc.). With the help of the cameras, the increased need for security of the citizens is taken into account as well as the deterrent effect of the cameras.

The freely available WiFi is used by guests and citizens of the community to inform themselves about events and share interesting facts. There is an app for this purpose, which is automatically called up when dialing into the free WiFi.

Since the transmission of CCTV images and the WiFis use the same radio network, it is of utmost importance that users of the WiFi cannot access the camera images under any circumstances. This is prevented by means of Layer2 VPN.

The installed mesh system has drastically reduced the number of damages and thefts. Tourism also benefits from the system with public WLAN and is experiencing an increase.

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