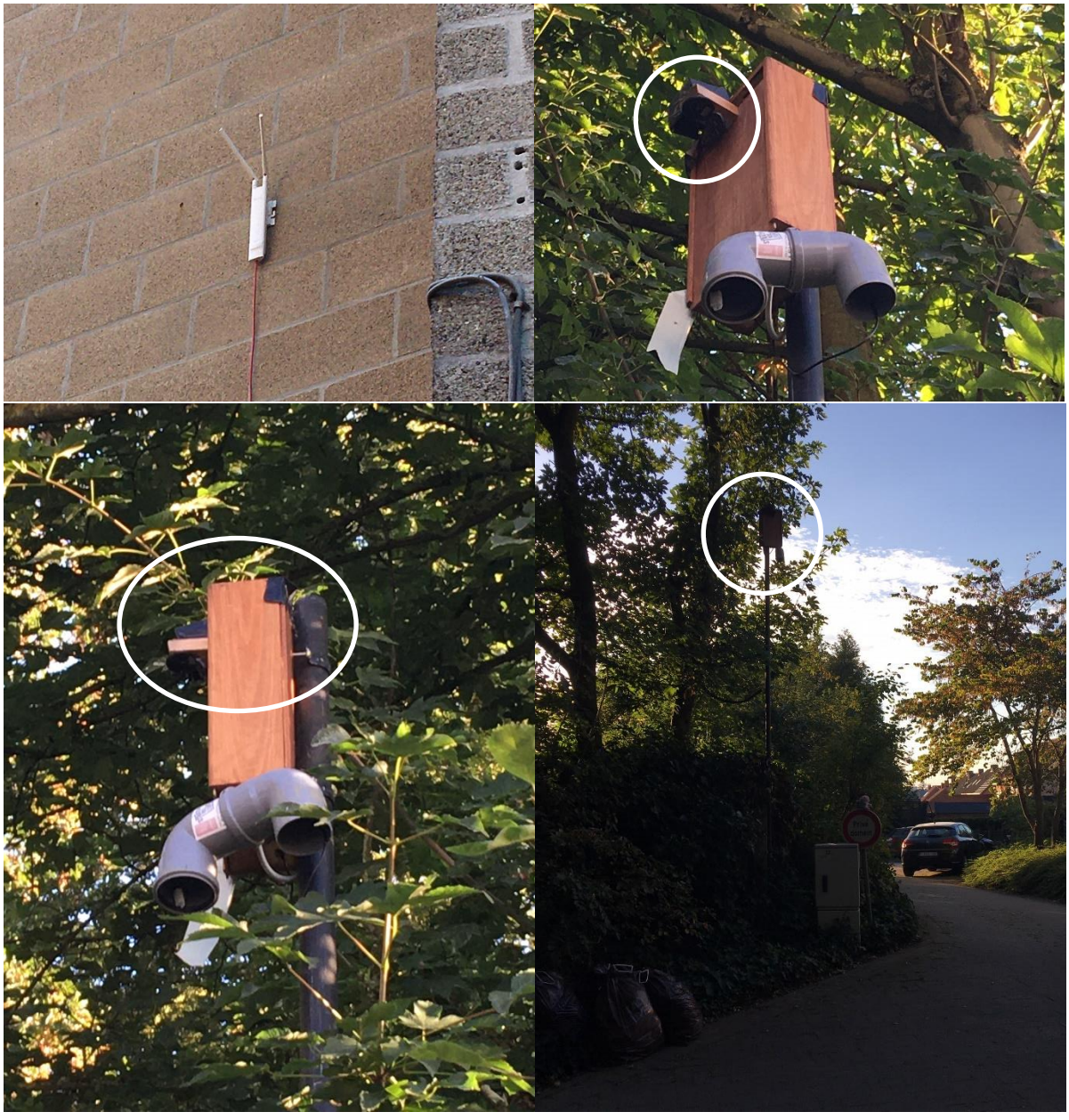
Telraam outdoor counting unit – it's possible

A voluntary counting citizen gives us more information

"My home is about 70 meters away from the street. Too far for my wifi-network and also no electricity was available. My first idea was to attach the camera to one of the trees at the streetside. To have a full view of the street including the footpath this was not the right option. You need at least 3 to 4 meters height for the camera to cover the whole street. The first thing that I had to do was to place a pillar and a box for the electrical connections, the pi-computer and the camera.
Since the camera is outdoors and surrounded by trees, I have no problems with reflections caused by the sun. I combined the Telraam-system with a system of Leuvenair (https://leuvenair.be/ = part of luftdatensystem sensor 16809 - see drainpipes) and a system of Smart Citizen (https://smartcitizen.me/kits/11099 - in the box) to measure the air quality and some other sensors.
To solve the problem of the wifi-connection I installed an outdoor wifi antenna (TP-Link Omada EAP225-Outdoor). I had to place the antenna at a height of about 5 meters on the façade of my house to have good coverage for the 2.4 GHz frequency. The 5Ghz frequency was not stable but the amount of data that the system is sending is no problem for the 2.4 GHz frequency. The system is now working well. We (including my neighbours) are surprised about the heavy traffic in our street. We were aware of het large amount of cars (2000-3000 cars/day) but we didn't know that also 500-1000 cyclists are passing in two directions in our very narrow street.
Based on this data we have asked to the city council to give our street the road code classification of a cycle-street (30 km speed limit)."



More info : toon@toonmartens.be or info@telraam.net | www.telraam.net