

## Buck-e school project – RFID Solution

### The company

The company Fairville creates new opportunities through digital technologies.

### Principal challenges:

- To create a safer school environment by rewarding school children for going to school on their bicycles.
- To correctly and automatically register cyclers so that the collected crypto coins are awarded to the right children, which can be handed in at local stores or the fair.

### The solution

Equipping the bicycles of the children with an RFID tag that is read by a special, custom-designed RFID cabinet each time they cycle through the school gate.

### The benefits

No need to manually register who arrived by bicycle on which day. Everything happens automatically and the right number of virtual coins are awarded correctly.

### Microtron as partner

- Provides knowledge and technology from the first design
- Coordinates the engineering configuration and installation during the roll-out
- Provides full service for the hardware



### QUICK FACTS

#### Project scope:

- In 2020, already 50 schools are equipped with Buck-e

#### Challenge

- Fast and accurate identification of cyclers and awarding virtual coins

#### Solution (average per project)

- 2 antennae
- 1 RFID readers
- +/- 250 tags