

# Amsterdam - The Netherlands

## Adaptive speed governance of connected e-bikes



**Code:** AM-UC02

**Brief:** Townmaking's Adaptive speed governance is a privacy-first system for dynamic zoning, helping cities govern in real-time who can go where and at what speed.



### Key Urban Challenges Addressed:

- Frequent cyclist-pedestrian accidents and near misses
- People stop cycling due to safety concerns
- Ungoverned release of micro-mobilities into a traffic regime unprepared for them over the past decade

### Goals & Anticipated Benefits:

- Preserve Vondelpark's heritage as a pedestrian-friendly space
- Tackle high cycling speeds, especially from e-bike commuters and couriers
- Control speed without altering protected infrastructure
- Use adaptive speed governance to enhance safety
- Foster cyclist-pedestrian harmony

### Ownership:

- The **Townmaking Institute** and the **City of Amsterdam** organise the necessary capital partners who develop the assets and the operational organisations that will operate the asset using NextCommons.

### Infrastructure:

- **Total Urban Mobility System (TUMS):** digital system for managing urban mobility
- **5G-connected e-bikes** with Onboard Units (6+ units)
- **Safety Clover:** a framework for place-based safety studies
- **Urban Knowledge Base (UKB):** organises place-based urban knowledge obtained through safety studies



### Location:

Vondelpark, a protected historic park in central Amsterdam, features a peripheral cycling path linking the city centre with the west and south.



### Timeline:



**TOWNMAKING**



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