



Healthy Streets Sensors

Almere Technology - Sustainable Development Solutions

Queen Street — Friction & Movement



Client:



Automated analysis of complex high volume pedestrian and cycle flows, extracting data to inform design and decision making.

Speeds mapped against pedestrian density over intervention period allowing for objective assessment of friction between users.



Queen Street Quayway Friction & Movement



- ⇒ Pedestrian Density
- ⇒ Cyclist Speeds
- ⇒ Mapping of User Paths

Paths of street users extracted by user or vehicle type and by direction to enable sophisticated analysis of movement and friction.

Use of Machine Learning attracts favourable national press coverage for the client's innovative approach.



London machine learning

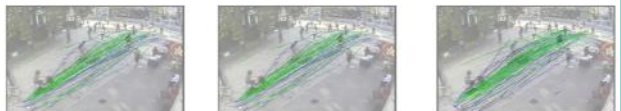
Video Traffic Data Survey

Eight cameras deployed over six days capturing over 300 hours of video for analysis.

- ⇒ Bespoke data collection
- ⇒ Simple project planning
- ⇒ Consistent automated extraction of complex movement patterns



Bespoke analysis to meet client requirements



Computer vision analysis tasks designed to meet survey objectives. Once configured and verified algorithms produced reliable counts and paths over very high volumes.



Healthy Streets Sensors

Almere Technology - Sustainable Development Solutions

@Almere_Conult

contact@almere.co.uk tel. 01661535485



European Union European Regional Development Fund

Almere Limited, Dissington Hall Enterprise Hub, Dalton, Northumberland NE18 0AD