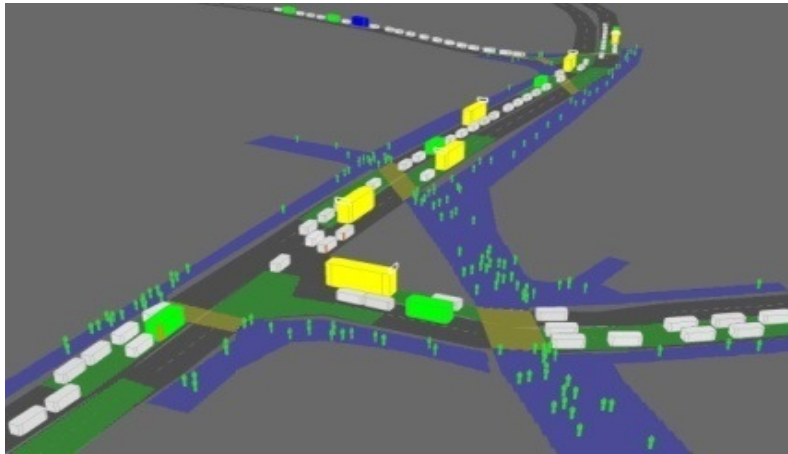


<b>Project:</b>	<b>Enhanced Streetscape Design and Analysis</b>
<b>Client:</b>	<b>Crowd Dynamics Research and Development</b>
<b>Location:</b>	<b>Newcastle / Hereford / Sunderland / Cheshire</b>
<b>Role:</b>	<b>To design and analyse innovative solutions for streetscape design to provide balanced solutions between pedestrians and traffic</b>

Crowd Dynamics has considerable experience in both crowd / pedestrian modelling and traffic engineering.

The models have been used to test and optimise street designs in towns and cities such as Newcastle, Knutsford, Hereford and Sunderland.



Model of Haymarket (Newcastle)

The company, in conjunction with Quadstone Paramics has been developing microsimulation models (UAF toolkit) to enable both pedestrians and traffic and critically the interaction between the two modes to be modelled.

Crowd Dynamics has been analysing innovative design solutions for junctions and streets to provide optimal designs for both traffic and pedestrians. In developing the toolkit, 'shared space' streets in Ashford, Berne (Switzerland) and Drachten (Holland) have been studied.



Berne (Shared Space)



Berne (Model)



Ashford (Shared Space)

Work has indicated that relatively minor design changes can radically alter traffic capacity, pedestrian delays etc.



Model of Newgate St (Newcastle)

Dependent upon the scale of pedestrian flows and street design (overall width, use of median strips etc) surprisingly high traffic flows can be accommodated along 'Shared Space' streets.



Drachten Shared Space