



Redesigning a neighbourhood for journeys on foot or by bike

The award-winning Greener Grangetown scheme in Cardiff demonstrates how our team integrate their urban design expertise, to look at the whole picture. We created a sustainable drainage system, whilst transforming the quality of the public realm and cycling and walking infrastructure.

Working closely with the local community, our designs reduced traffic and introduced rain gardens, trees, seating, and cycle parking, making the whole area more attractive for everyone.

ARUP

WE SHAPE A BETTER WORLD

Virtual pedal power

A smarter approach to cycling design





We use Virtual Reality (VR) technology to create highly engaging, sensory experiences of the built environment.

The Arup VR cycling experience, utilises 360° immersive technology to demonstrate how different route design options could look, sound and feel at an early stage in the design process. We've taken an inclusive design approach, simulating travel by bicycle and tricycle in the virtual environment, to cater for a diverse range of groups.

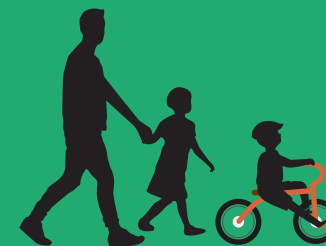
The Benefits of VR

- Communicate design in an accessible way to everyone
- Improve understanding and increase engagement
- Receive instant feedback on new scheme designs
- Problem solve before schemes are built



Liverpool City Region Virtual Cycle Routes

Working with local partner, PixelMill we created an interactive visualisation of new active travel routes proposed in Wirral, as part of the Local Cycling and Walking Infrastructure Plans.



By making walking and cycling the natural choice for shorter journeys, we can create more liveable and prosperous communities.

We plan and design inclusively, to connect people through cohesive transport networks which offer greater travel choices. By combining our expertise in all areas of urban design, we help people move around in new ways; improving health, access to jobs and the environment.

FIND OUT MORE:

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#ArupVRCycle