

*Light Rail (UK)



Commercial Specialists in Affordable & Sustainable Tramways

*Is a trading name for Light Rail Solutions UK 2024 Ltd, a not-for-profit organisation.

Why Trams for the Thames Estuary Project

Or why a Very Light Rail (VLR)
Cross river tram without air pollution is better value to
the Public Purse

than yet another quick to fill up road bridge Less than £10M per track Km (excluding submerged tunnel)





www.applrguk.co.uk
Warrington, UK
07721378223, 01925 740675
E-mail jimh@jimmyharkins .com
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Podcast @https://www.railindustryconnect.co.uk/rail-industry-connected-hydrogen-trams-as-a-service-with-jim-harkins-light-rail-uk/



Employment, Removing the cross river barrier, enabling connectivity for new employment opportunities.

Congestion Busting, Removes traffic from the (A282) Dartford Crossing and local roads.

Environment, improved air quality as a result of transfer from road to tram.

Community, Fast, Clean & Affordable transport for local communities.

Cost, Estimated at <£10M per track Km Modal Switch is anticipated to remove 25%-34% of local traffic from the road network

No Road/Tyre/Brake Particulates (NEE), genuine zero emission vehicles.

No Air Pollution at Point of Use!



Self-powered new build tradition summer tram cars



City Cars (3) autonomously coupled, 300 passengers



Tritonex

an absolute game changer for all things hydrogen with 100% Angel share captured and corrosion protected https://triton-hydrogen.com/



Why Green Hydrogen Trams?

Our ambitious vision for transforming the Thames Estuary region of North Kent, South Essex and East London.



Trams have a proven record of getting people out of their cars whilst producing zero emissions and particulates at point of use and that these very light rail* (VLR) offers significant potential for enabling these benefits to be realised on a significant larger scale.

* VLR trams are built to International
Light Rail Standards and are a low cost starter line.
Less than £10 per track Kilometre and are a significant
Public Transport Legacy.

A Coventry VLR example.

The national delivery of an integrated transport system will often involve initiatives that span local authority and county boundaries and mechanisms for coordination at regional levels are needed to help promote and deliver this project.

The proposal for a demonstrator line to Liverpool city centre from the Liner Terminal for very light rail, a system involving vehicles on much lighter rails compared to current tramways with a dramatic reductions in construction costs, faster construction and less disruption.

The largest share of transport emissions comes from cars, accounting for 38% a 20% reduction by 2030!...Transport Scotland

As Trams have a high modal switch circa 25% - 32%, this demonstrator line can achieve that target along this corridor

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Statistics in Tram integrated Nottingham show that LEZs are not required

Light Rail (UK) E-mail Jimh@jimmyharkins.com

Auchenshuggle Junction, Moore, Warrington, Cheshire, United Kingdom 01925 740675 07721378223 www.lightrailuk.co.uk





*Installation less than £10M per Km

Samples of road space reallocation





Light Rail Consultants, Transport Engineers, Private Enterprise, Politicians, Academics, Environmentalists and others.



The new track is laid just 30cm within the road's surface, minimising the need to relocate pipes and cables which is time-consuming and expensive.

This is achieved by taking advantage of cutting-edge materials, while still making use of standard rail parts

Hydrogen/electric buses can only be seen as a welcome interim solution in the short term with no transport legacy, they still remain a source of significant particulate pollution (*NEE) arising from the friction between tyres and road surfaces while steel wheels running on steel rails create zero emissions of this type.

*All UK Governments are aware of this (Greenwash) NEE pollution

*39,000 folk died from Particulates

Commercial specialists in low cost, VLR, affordable & sustainable tramways