

FUTURE TRANSPORT SYSTEMS

integrating transport with infrastructure

Strategic network delivery

To ensure “electric” journey lengths are not compromised, a strategic network of public charging points must be developed. Real life mapping work, giving weight to terrain, speed of road and actual distances, not point to point distances, will indicate where charging stations, including quick chargers, should be positioned.

Within identified geographic parameters, specific site selection can be completed. Factors to consider are the existing transport infrastructure, the visibility and accessibility of a proposed site, grid capacity, the proximity to electricity meters, the complexity of civil engineering work required and the potential requirement for traffic regulation or management orders. All of these will affect the cost effectiveness of the site.

Strategy development



With the need to create integrated, interoperable electric vehicle infrastructure in the UK and Europe, the ability to develop and deliver regional implementation strategies is essential.

Future Transport Systems is involved in large regional projects through our work developing the strategies underpinning Plugged in Places bids across Yorkshire & Humber, the East of England and previously the North East of England. The Yorkshire & Humber bid incorporates much of rural North Yorkshire, National Park land including the Peak District, areas in North Lincolnshire, 3 city regions and multiple local authorities. Within the East of England the geographic area spreads from the Thames Gateway in the south across to the coast of East Anglia and north to Peterborough. With multiple unitary authorities and over 50 local authorities, developing strategy with universal support requires specialist skills and careful management.

Essential from the outset is a clearly defined objective for delivery and a vision for achievement. Depending on the breadth of the objectives it may be important to understand existing work that has been completed in relation to regional strengths and capabilities, recognised

growth areas, unique differentiators and areas where EVs can add specific value – all this in the context of local demographics, travel patterns and other social, political and geographical factors. With a thorough understanding of the existing environment, capabilities and objectives, a strategy that secures broad regional support can be developed.

In delivering the project, engaging with the key decision makers and influencers across the region is essential, with effective communication required. The development of a steering group, involving senior representatives from every element of the project, will ensure each work stream has a clear lead, remit and channel of communication. Project teams involving local authority sites will need to include representatives from economic development, regeneration, environment and climate change, transport planning, facilities management, finance and legal as well as some private sector parties like the local Distributed Network Operator.

While planning the detail for initial delivery of a project is essential, it is also vital that longer term issues are considered, such as asset ownership, operation, maintenance and expansion. As well as short term cash flows, longer term operating costs and income streams need to be allowed for.

