

D/Gauge launch Dynamic Vehicle Modelling Service

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D/Gauge have expanded their services to include dynamic vehicle modelling. Dynamic modelling utilises detailed bogie and vehicle data to ascertain accurate vehicle dynamics. These dynamics are used to assess safety, clearance, and risk implications. This service will greatly help with railway project needs.

The refinement of a vehicle model and dynamic modelling provides deeper insight and greater assurances into the accuracy of clearance outputs. With a variety of stock and modified rolling stock models in use on the UK network – up-to-date modelling will improve project outcomes.

This exciting new offering will provide greater benefits to vehicle owners, manufacturers, operators, and network managers. Sourcing dynamic vehicle modelling services and gauging consultancy from one provider can speed up project timelines, maximise efficiency and capitalise on the extensive vehicle knowledge **D/Gauge** has.

Using VAMPIRE® Pro software, provided by SNC-Lavalin, the dynamic vehicle models will use industry-accepted technology to understand vehicle motions for real-life scenarios. The **D/Gauge** project management team also take responsibility for sourcing and combining data, taking the pain away from

long, scattered projects with no clear source of accountability.

D/Gauge Rolling Stock Lead Ryan Wareing said ‘Dynamic vehicle modelling is a great opportunity for the rolling stock community to investigate the detail of our fleets. Using up-to-date vehicle models has been proven to provide more confidence in project outcomes and analysis. The use of historic techniques meant that vehicles were overly conservative and with these newer techniques we don’t have to add conservative calculations in to cover unknowns, because we can do things correctly. This will impact results positively and benefit the whole industry.”

He continues “For the vehicle community, bringing dynamic vehicle modelling in-house will give our customers the ability to assess their vehicles and gain assurances. We also go the further mile to help with project management and output ownership, something that sets us apart and fits with our spirit of collaboration”.

Existing **D/Gauge** customers have already seen the benefits of using vehicle dynamics to understand gauging, and it is anticipated that this service will encourage better collaboration within railway projects and aid clearance outcomes. For further information, visit www.dgauge.co.uk/dynamics