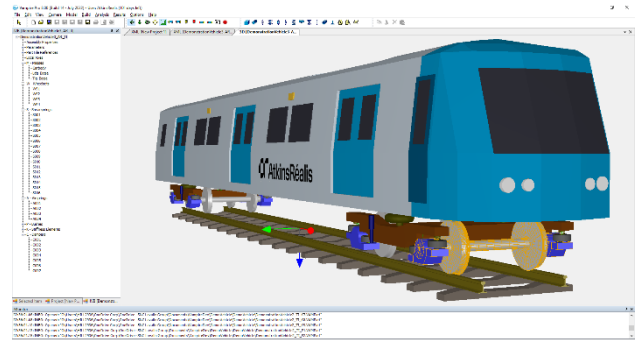




Vampire Pro offer for IMechE Railway Challenge teams

AtkinsRéalis is pleased to offer Vampire Pro to teams participating in the IMechE Railway Challenge. Vampire Pro is an industry-leading railway dynamics simulation package that has been developed and optimised specifically for the railway industry, enabling cost-effective analysis of rail vehicle performance and safety through simulation. It enables users to build dynamic models of rail vehicles and study the response of the vehicles to measured track geometry and other user-defined inputs and external forces. Vampire Pro is used by railway organisations, administrations, companies and academics throughout the world and has demonstrated its capabilities against various international benchmarks.

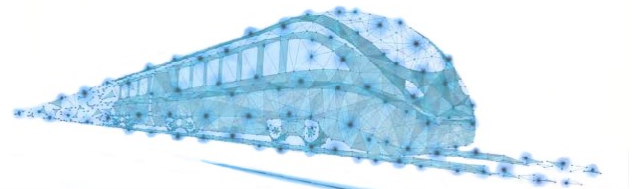


Use of Vampire Pro by Railway Challenge teams will empower them to simulate and assess the performance of their locomotives prior to manufacture, and thereby refine their designs prior to the competition weekend. Simulation is a core technology to the design and introduction of rolling stock, enabling costly or impractical tests to be executed using a validated vehicle model, and we are excited for the competitors to see this process play out in miniature.

Vampire Pro is actively developed and supported by AtkinsRéalis' experienced rolling stock dynamicists. AtkinsRéalis will offer a brief introduction to the software, enabling teams to be equipped to start using it for modelling and simulation. Further details about the Vampire Pro package can be found here: <https://vampire.clyx.net/>

The offer

AtkinsRéalis will provide a dedicated release of the software for the Railway Challenge restricted to miniature railway use. This will feature example 10¼" gauge models and competition-specific guides for teams to work from. The release will include two licence seats per team for the duration of the competition year. Each team may have as many individual named users as they want. The licenses will permit only two of the named users to access the package concurrently.



A training session will be offered in November/December 2024 over Teams, which will be recorded and for which associated material will be distributed.

How to request

Teams should contact the IMechE at railwaychallenge@imeche.org providing the following details:

- Organisation and team name
- Names and email addresses for all users requiring access

These will then be passed on to AtkinsRéalis who will then provide details to the team. This will include account details and a link to download the software. Licence details will also be included. The software and licences will be distributed by end of October / start of November.