



Job Description

Thanks to our excellent clients and continued growth, we are recruiting again. Recently, we have been working on a range of really interesting projects covering Bus safety, truck safety and HGV Weights & Dimensions for a broad range of clients including Transport for London, Euro NCAP, the Department for Transport and the European Commission. Our business is currently a 100% remote working model, hours can be flexible to suit your situation, salary will be negotiable depending on experience and will include access to profit related bonuses and a salary sacrifice electric vehicle scheme. Short term travel to a variety of places of work worldwide may be required, most commonly within the UK and Europe but occasionally further afield.

The essential attributes needed to join our team are:

- Positive, flexible, can-do attitude: We are a small company - fit with the team, commitment to meeting clients needs, willingness to go the extra mile when needed and also to enjoy the times when its not are the most important things
- Ability to work all levels of a project: We have no juniors - you need to thrive on seeing a project through from start to finish, be that the legwork of collecting collision data, building spreadsheets, coding data analyses, crawling around dirty vehicles making measurements, fitting instrumentation or presenting at international regulatory committees.
- In-depth knowledge and expertise – we are looking for mid level to senior experts with solid technical experience in at least one of the areas we work

Our current team members each have individually diverse experience and collectively we cover a wide range of expertise. So, the list below of the 'nice to have' requirements is long because help in any of those areas would be good. However, we are realistic, we know that it would be a rare candidate that could tick all of these boxes. If you tick the essentials above, your foot is in the door. If you only tick one of the below, then you will need to show really detailed in-depth experience in that area as well as a willingness to diversify. From there on in, the more the merrier:

- Skills
 - Collision Investigation and analysis – understanding the problem we are trying to solve is the building block for all that we do.
 - Critical reviews of literature – another key starting point on many projects is finding out what is already known and assessing its strengths, weaknesses and relevance to the problem we may be working on.
 - Vehicle test and assessment – whether in the laboratory, test track or computer simulation, finding out what safety features, technologies and whole vehicles can really do is critical.
 - Ergonomics, HMI, Human Factors – How well does the vehicle or technology work with its human driver (or user in charge) or other road users?
 - In-service road trials – how do all these components stack up to performance in the real world? Designing and organising meaningful road trials that are sufficiently practical to work in commercial operations is a particular skill.
 - Data analytics – all of our research produces data. The skills to manipulate and analyse it are important but the ability to understand what it really means is critical

- Cost benefit analysis and Impact Assessment – Money is finite and even in pursuit of vision zero it is important to prioritise and spend it wisely
- Policy & Regulation – much of our work is used as advice to policy makers in the public sector. We need to understand their needs, understand regulations and have the ability to draft regulatory text.
- Report writing – the end product of much of our work is a written report that balances scientific and technical rigour with the need to clearly and concisely communicate the key findings to clients and the wider constituencies they serve.
- Application areas:
 - Weights and dimensions – sounds mundane, but the permitted size of commercial vehicles affects just about every aspect of the transport system including safety.
 - Fundamental primary safety – brakes, handling, vision, lighting.
 - ADAS & Automation: stability control, automated braking, lane support systems, driver monitoring, and their evolution towards assisted and automated driving.
 - Crash protection – crash compatibility and underrun protection, pedestrian protection
- Vehicle types
 - We have worked on all vehicle types from micromobility to abnormal indivisible loads and all stops in between, and we welcome applications from people with experience in any of them.
 - Trucks and buses are a particular specialty and knowledge of those vehicle types and the context they operate in is a distinct advantage.

If you think this is a role that could excite and motivate you and that you could help us to grow our small business, then please get in touch with our Director, Iain Knight iain@apollovehiclesafety.co.uk.