

## Detailed Design (Light Transit)

### Introduction

The breadth of Atkins' transport skills and experience means we are strongly placed to develop detailed design services in the light transit sector. Atkins can offer detailed design skills in all the major disciplines and integrate them to ensure a high quality light transit system.

### Outputs

We have the skills to offer detailed design services in many aspects, such as:

- vehicles (including bodies, bogeys, systems, interior and exterior finishes)
- human factors
- track and guideway systems
- electrification and power supply
- communications and informatics
- systems integration
- operations and maintenance facilities
- signalling and control (including control rooms)
- highways
- structures (including bridges, tunnels, stations, depots etc.)

### Our approach

The size of Atkins ensures that teams can be mobilised to develop designs on an appropriate scale for the project in hand. For large-scale projects, the use of Global Design Centres and modern collaborative techniques supports high quality design production, combined with delivery and presentation from local teams. For smaller scale projects a co-located team can enable a highly responsive design process to match the task in hand.

In a fragmented industry, having all appropriate disciplines within one organisation paves the way for rapid deployment of niche skill requirements to the job. Atkins understands the need and value of integrating these disciplines to ensure that conflicts are designed out long before they reach site. Formal integrated design checks and proactive interface management from key individuals with many years' experience promote a multidisciplinary appreciation from the earliest stages.

### Outcomes

By harnessing the size and strength of Atkins' design capability, clients can ensure that the detailed design of their projects is fully and appropriately resourced.

The flexibility supported by a one-stop-shop supplier of transport design capability means that the right advice can be accessed when required for simple or complex projects. Whether it is designing seat furnishings or remodelling a highway; designing a maintenance depot or a passenger communications system, Atkins has the skills in-house to support the single or multidisciplinary detailed design of light transit schemes.