



GHD Light Rail

WATER | ENERGY & RESOURCES | ENVIRONMENT | PROPERTY & BUILDINGS | TRANSPORTATION

Investment in light rail is increasing as cities around the world realise its potential as a viable, cost-effective and essential addition to their urban transportation system. The mode can fill the void between heavy rail and buses through greater accessibility, improved mobility and barrier-less entry. GHD provides services for feasibility assessment, planning, design, and construction support through an integrated team of experienced designers and analysts.

We've got extensive experience in all facets of tram infrastructure planning and design, including tracks, overhead wiring, power feeders, accessible tram stops, and tram depots. We also have the capability to address the ancillary elements of design including risk analysis, safety, street lighting, traffic modelling, geotechnical investigations, urban design, architecture, environmental assessments, planning and stakeholder engagement.

Our clients are looking for sustainable, cost effective and community-enhancing light rail solutions. GHD appreciates and understands light rail projects from planning imperatives, including heritage implications, to preparation of constructible infrastructure designs that comprehend the requirements of all stakeholders.

Services

- Track design - formation, straights, curves, crossings, crossovers and drainage
- Electrical design - overhead wiring including poles, wall bracket and wiring associated with the new tracks; feeder distribution works
- Tram stops - design of accessible platform stops complying with the Disability Discrimination Act
- Depots - tram maintenance depots including access logistics and internal movements
- Traffic integration - for on-road tram track design, we assess impact on road traffic using micro-simulation techniques and design alterations to traffic infrastructure
- Multi-mode integration - design of multi-mode transport facilities integrating trams, buses and bicycles whilst addressing the needs of pedestrians and passengers
- Tram priority treatments - examining, assessing and implementing tram priority measures; traffic signal design
- Business case analysis - evaluation of physical and economic feasibility of projects
- Audits - risk workshops, road safety and accessibility audits

For more information, contact

www.ghd.com/light-rail



www.ghd.com