

Vertical Transportation New Design



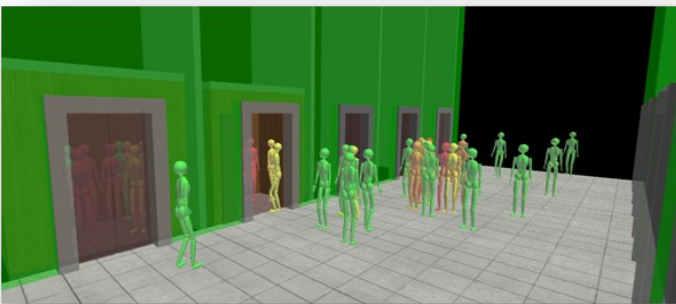
Designing Lift Systems

The lift system within a building is very often some of its most visible and highly utilised equipment. The performance and reliability is a crucial part of the building's operational viability both for tenants and visitors alike.

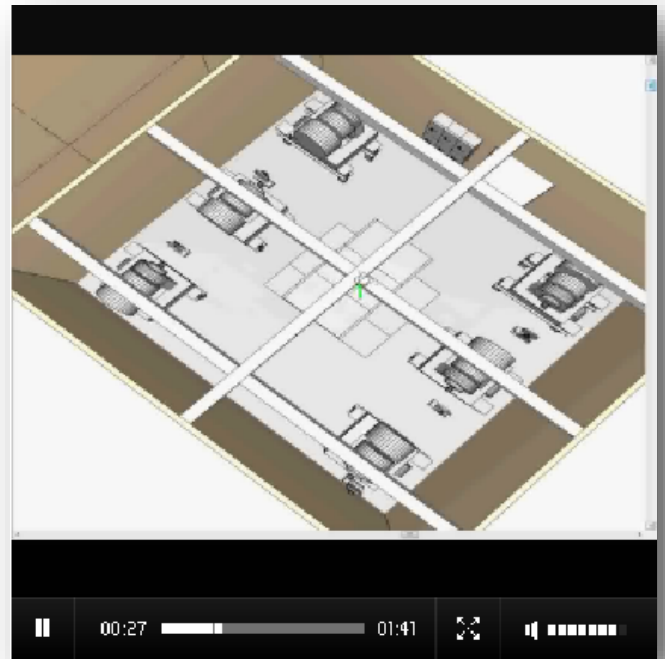
We combine our expertise in engineering design and technology with years of practical experience to ensure our clients receive the best possible advice and direction for the design and management of their vertical transportation systems.

Our in-house engineering capabilities include calculation and simulation programs, fully experienced CAD engineering drafting capability, specialised measurement tools and other facilities that give us a complete design capability under our own roof. This capability enables us to respond very quickly to the needs of an architect and other members of the design team.

Traffic Simulation & Visualisation



Traffic analysis has moved on from relatively simplistic calculations to simulation and visualisation. A 3D visualisation of a building's lifts and passenger movements can be produced, run and stored using our unique system 'Advisuo'. The user can view the flow of passengers into the lobby area and into the lifts giving a full 3D representation of a simulation and enabling "hot spots" for queuing to be identified.



Generic BIM for Lifts

Over recent years there has been a steady increase in the use of BIM (Building Information Modelling) by developers, government and those involved in the design, implementation and maintenance of a building throughout its lifecycle.

Due to its use of parametrics and BIM open source IFC files, our unique programme 'Adsimulo' can produce a 3D architectural model of the lifts, lift shafts, pits, machine rooms and lobbies. These drawings can be imported into any IFC compatible software such as Revit or Tekla BIMSight.

The wide range of requirements for building access systems highlights the need for impartial and independent expertise to identify and resolve the client's and the building designer's specific requirements. The optimum access solution often requires a degree of technical innovation and an element of creativity.

Reaching beyond technical competence, we often add that vital yet elusive element 'ingenuity'.