

LOW-FLOOR LRT



Low-floor LRT vehicles were first introduced in the late 1980s and have since evolved to become the industry standard for new LRT systems in Europe and North America. Most of the mechanical equipment on a low-floor LRT vehicle is located on the roof, which means the train doors open at street level for step-free boarding onto the vehicle.

A great advantage of a low-floor LRT system is that the stops can be small and require minimal infrastructure—a stop can be as simple as a raised curb and sidewalk—although Edmonton's will feature shelters for protection from the elements.

Vehicles will also run at community traffic speeds, meaning warning bells, signal gates and flashing lights won't be necessary—allowing the new LRT to integrate harmoniously with the communities it serves.

Advantages of low-floor, urban style LRT include:

- Building smaller-scale stops that are spaced closer together
- Step-free, easy-access boarding
- Maximizing openness of space to create safe environments
- Supporting safe, pedestrian-friendly communities
- Investing in landscaping, streetscaping and architectural features to improve visual appeal and community integration