



Modernisation of Tram Car Body and Compartment

- ▷ Give a new life to traditional tram body and compartment
- ▷ Provide passengers with quality tram ride
- ▷ Improve public image of tram
- ▷ Top class manufacturing techniques and finishing to European light rail vehicle standard
- ▷ Combination of modern interior design with traditional tram body outlook

▷ *New tram car body*



▷ *Traditional tram car body*



Safety Improvements

Aluminium structure

- ▷ Replace teak structure
- ▷ Smooth finishing; No rivets
- ▷ Durable; Overhaul cycle extends from 4 years to 10 years



- ▷ Use less wood; Environmentally friendly
- ▷ Lower maintenance cost

▷ *Aluminium structure*



▷ *Teak structure*



CCTV

- ▷ Provide motorman the views of entrance gate when boarding
- ▷ Clear motorman's blindspot



Driving Cabinet

- ▷ Comfortable working environment for motormen
- ▷ Better control



More Handrails

- ▷ Handrails along aisles and at the back of every seat



Modernisation of Tram Car Body and Compartment

Passenger Comfort



Ergonomic seats

- ▷ Aesthetic, comfortable and functional
- ▷ Handrail at back of seat
- ▷ Do not hold rain water



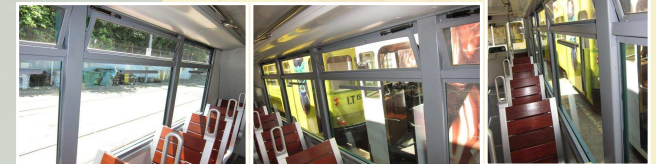
Reflective Lighting Panel

- ▷ Modern and cosy
- ▷ LED lighting
- ▷ Energy saving by 42% compared with fluorescent light tubes; environmentally friendly
- ▷ LED lasts 5 times longer; easy maintenance



Full-sized Doors and Windows

- ▷ Improved passenger comfort by increasing air flow and reducing temperature in compartments



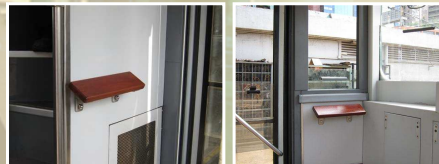
Flap Entrance Gates

- ▷ Replace tripod turnstiles
- ▷ Uni-directional gate
- ▷ Reliable and durable
- ▷ Easier access
- ▷ Improve safety by detecting passengers using infrared sensors
- ▷ Gate operating alarm



Bum Rest

- ▷ Install bum rest near entrance gate for passenger comfort



New seat arrangement

- ▷ Spacious aisles and stairs
- ▷ Easier access
- ▷ Increase passenger flow



Passenger Information

PA System

- ▷ LED panels display tram stop names with loudspeakers broadcast



Tram Route Map

- ▷ Tram route map installed near front stairs for passenger information
- ▷ Implement in a second stage a "line thermometer" to show dynamic evolution of the tram on the route for passenger's easy reference.



LED Destination Blinds

- ▷ High contrast LED panels
- ▷ Designed for the visually impaired

