

BESPOKE VLR

TYPE: Design

CLIENT: Al Hoota Cave & Konya Seker, Torku

AWARD: Light Rail Award Winners



DESCRIPTION

Sometimes called 'ultra light or 'very light' rail, these unique trains can be built to narrow or 'standard gauge' as required, either as single or bi-directional vehicles (optional drivers cab at both ends) or as multiple train units. Internal layouts and aesthetics can be varied to suit individual needs and the ratio of seated and standing accommodation adjusted.

The underlying concept is to be able to offer

a bespoke design and supply service to customers in potentially 'one-off' or niche applications where conventional light rail is inappropriate. It involves providing lighter weight, smaller capacity and consequently lower cost vehicles and infrastructure than would otherwise be affordable and allows rails to be laid over existing services if necessary, without the need to relocate them.

FEATURES

Flexible: Operates via either Standard or Narrow gauge

Lightweight: Lightweight vehicles require reduced power consumption

Efficient: Bi-directional option eliminates turn table or track loop

Power: Electric, gas and hybrid power available

AL-HOOTA SPECIFICATIONS

Power:	Inductive, EV LION, Lead Acid, Diesel, LPG, Bio-Ethanol & Hybrid
Configuration:	Bi-directional or one driver cab
Passenger:	48 seated (Per Vehicle)
Wheelchair:	Designated compartment
Laden weight:	20 Tonnes
Dimensions:	1.7mw x 2.9mh x 22.7ml
Door Opening:	850mm
Speed:	Max 16kph
A/C:	Full HVAC
Gradient:	2%
Turning Circle:	Minimum of 30m
Propulsion:	Linear induction and/or rotary motors
Track Gauge:	30"
Guidance:	2 x Four-wheel bogies on steel track



KONYA SPECIFICATIONS

Power:	Inductive, EV LION, Lead Acid, Diesel, LPG, Bio-Ethanol & Hybrid
Configuration:	Bi-directional or one driver cab
Passenger:	66 seated + 6 perch seats 120 with standing (Per Vehicle)
Wheelchair:	Included wheelchair space provision
Laden weight:	32 Tonnes
Dimensions:	2.6mw x 3.2mh x 18.3ml
Door Opening:	850mm
Speed:	Max 65kph
A/C:	Full HVAC
Gradient:	3%
Turning Circle:	Minimum of 30m
Propulsion:	Linear induction and/or rotary motors
Track Gauge:	1.435mm
Guidance:	2 x Four-wheel bogies on steel track

