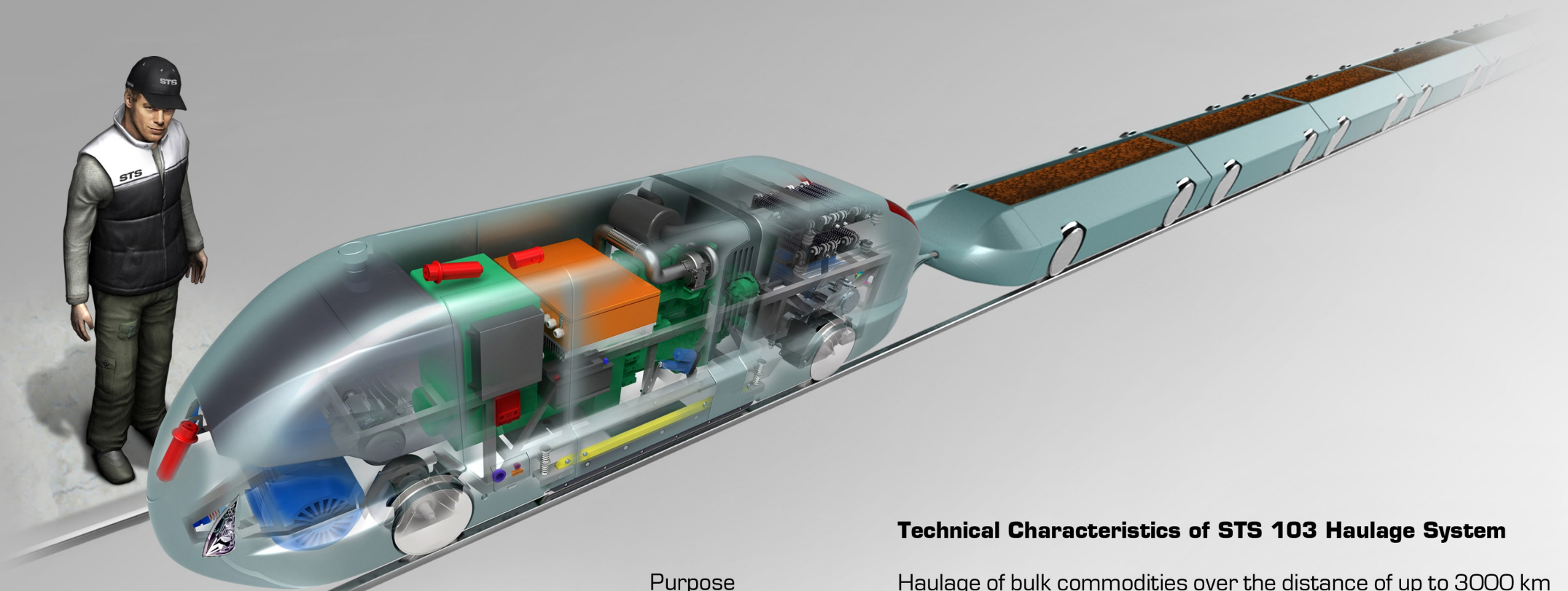


Smooth Integration Into Existing Infrastructure

Loading terminal is situated at an onsite stockpiles' location & is loaded via conventional conveyor

Unloading is facilitated in integration with existing material handling infrastructure

Compact size of STS 103 and innovative solutions enable loading/unloading to take place in transit at a speed of up to 8 t/s



Technical Characteristics of STS 103 Haulage System

Purpose	Haulage of bulk commodities over the distance of up to 3000 km
Capacity	100 Mtpa
Top Speed	120 km/h
Maximum gradient	1%
Composition	Diesel-electric locomotive and 52 freight modules
Power Unit	Cummins C150 D5 Diesel-electric unit. 145 kW @ 1500 rpm
Weight	Dead weight 159 t, maximum payload 125 t
Dimensions (HxWxL)	1230 mm x 1100 mm x 163900 mm
Fuel Consumption	25 litres per 100 km or (0.2 litres per 100 t/km)
Haulage Cost	AUD \$0.011 cents per t•km (assuming 100 Mtpa over 500 km)