



«UNITSKY STRING TRANSPORT» LTD

115487, Moscow, Nagatinskaya str., 18/29

Tel./Fax: (495) 680-52-53

info@unitsky.ru

www.unitsky.ru, www.alternatetransport.com



HIGH-SPEED STU HOPPER-TRAIN

Hydromechanical Transmission Version



High-speed STU Hopper-Train: Hydromechanical Transmission Version



High-speed STU Hopper-Train: Hydromechanical Transmission Version

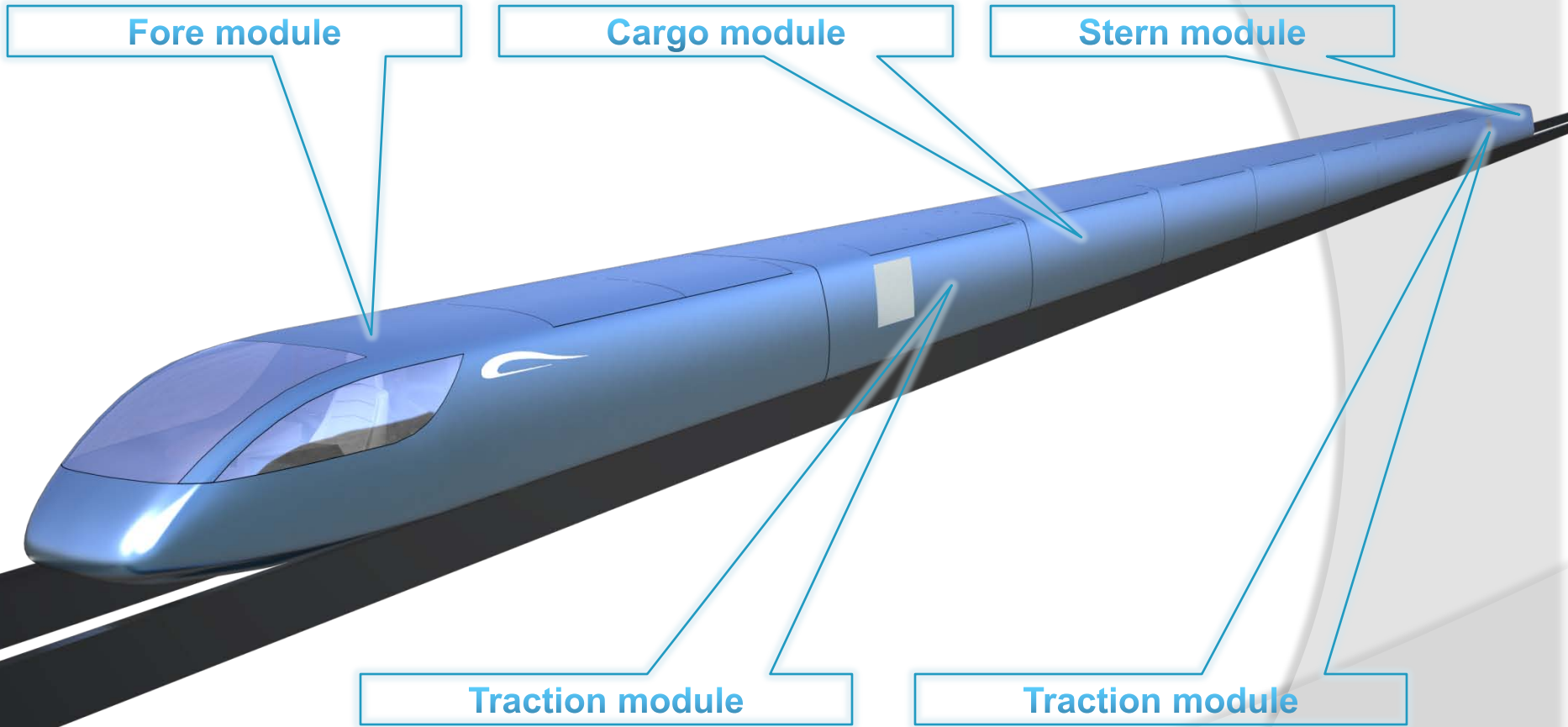


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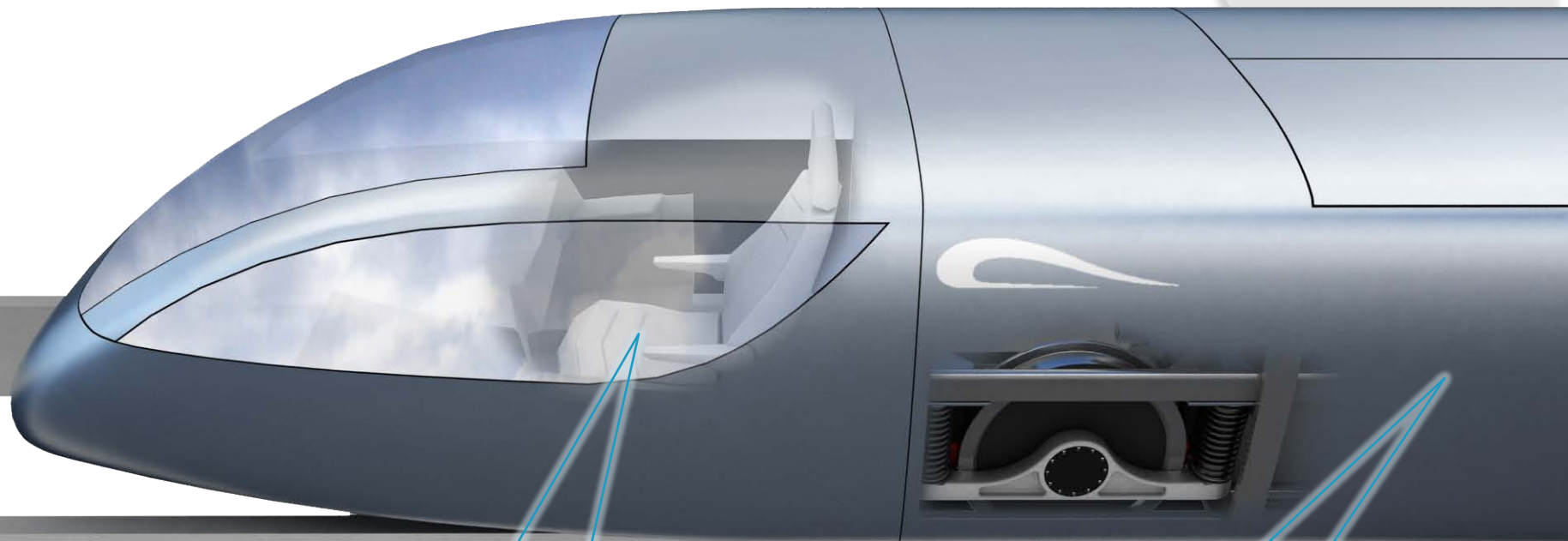


STU hopper-train U-342GM is intended to carry bulk materials over transport line constructed on basis of string technology. The transport line should run mainly on flat ground. STU hopper-train is supposed to be constructed of several modules. There are four types of two-wheel flexibly connected modules: fore module, two traction modules, eight cargo modules and a stern module. Fore module contains driver's section with control equipment and cargo section. Power section and cargo section are situated in the traction modules. Cargo sections are located in the cargo modules. Cargo sections of the modules are equipped with top and bottom self-opening hatches. The stern module supports a foregoing cargo module and also serves as a tail cap.

Total weight, kg	70000
Carrying capacity, kg	50000
Cargo sections volume, m ³	50000
Overall Dimensions, mm:	
- length	53000
- width	1600
- height	1200
- gauge	1250
Maximum speed, km/h	150
Wheel arrangement	24 × 4
Maximum gradeability	2%
Fuel consumption (150km/h, total weight)	
Kg /100km	17,3
Kg/100t x km	0,35
Ride on string-rail transport line (W)	3,7



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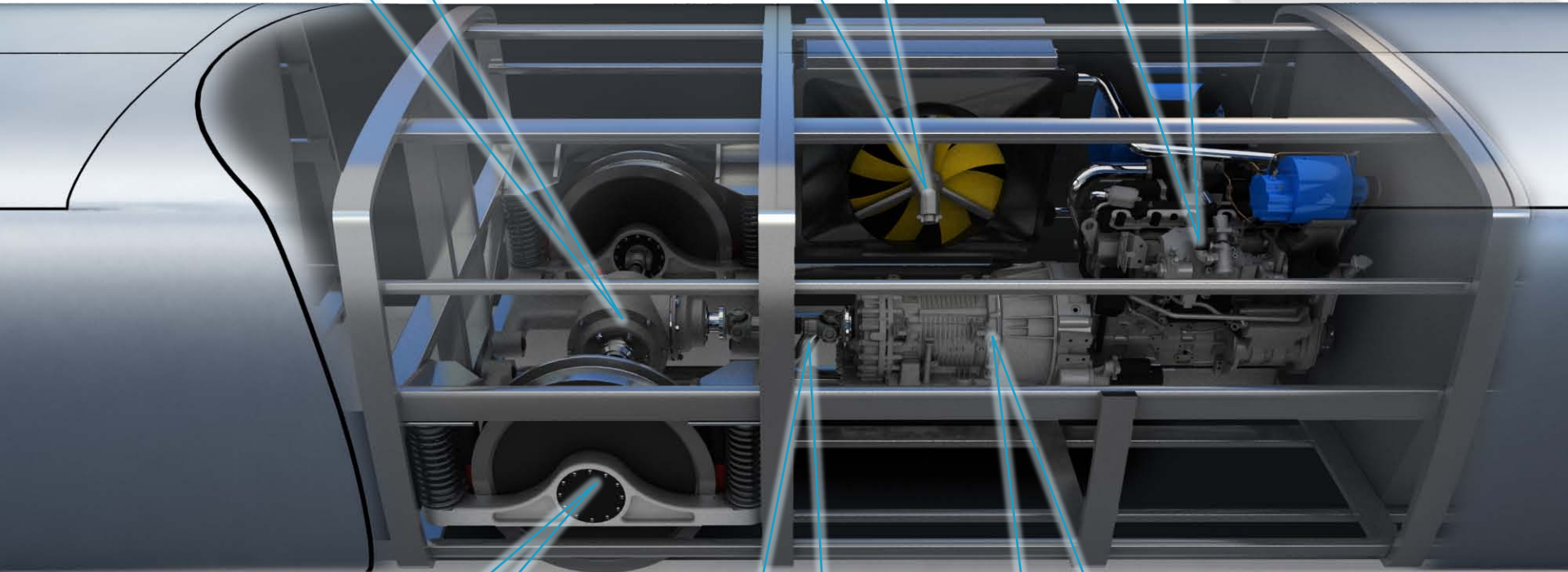
Driver's section

Cargo section

Reducer

Cooling block

Diesel motor



Running block

Exhaust system

Automatic gearbox

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Cargo section

Loading hatch cover

Running Block



Channel wheel

Unloading hatch cover