

Partially low-floor tram *VarioLF2*

The KOMFORT bogie

Conception

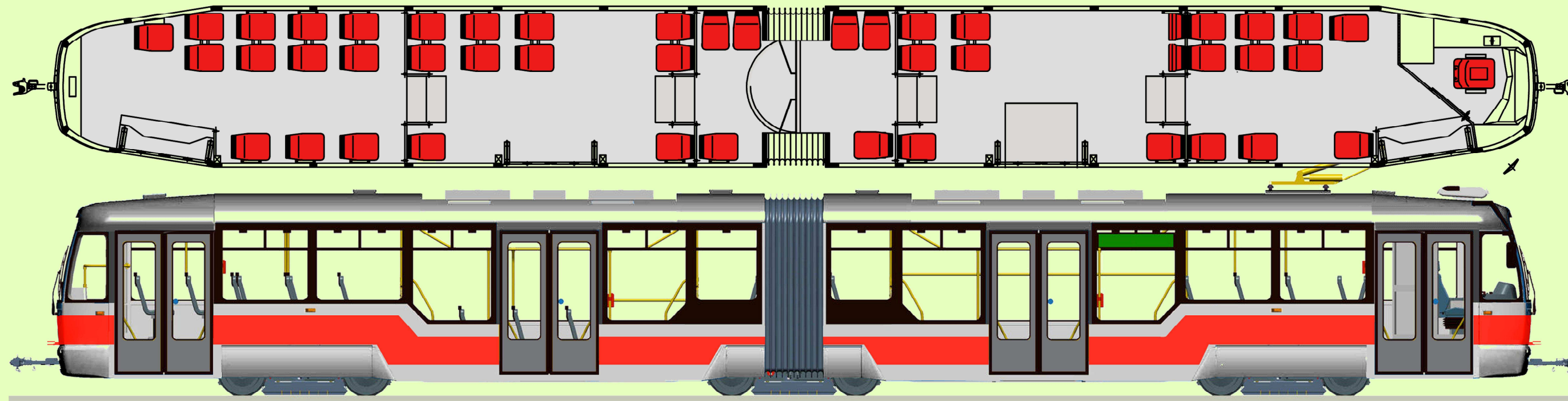
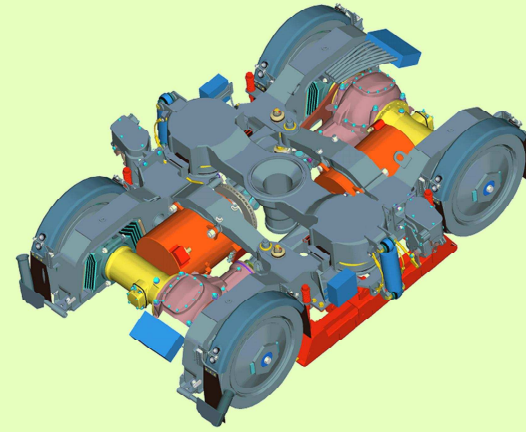
- fully pivoted bogie
- primary and secondary suspension
- wheels \varnothing 700 mm
- inheritance of elements
- electromechanical brakes

Characteristics

- minimizing of the negative effects on the railroad track
- reducing of the wheel and rail top wastage
- high limit of the kilometrical overspeed into the reprofilation
- low internal and external noisiness of the tram
- high quality number of the operation W_2
- high level of safety against the derailment

Effects

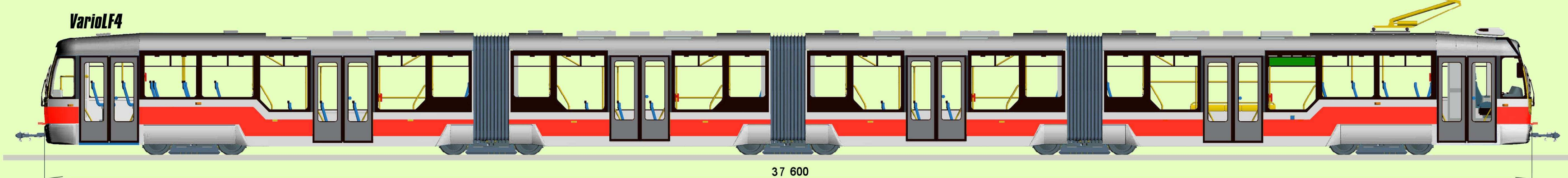
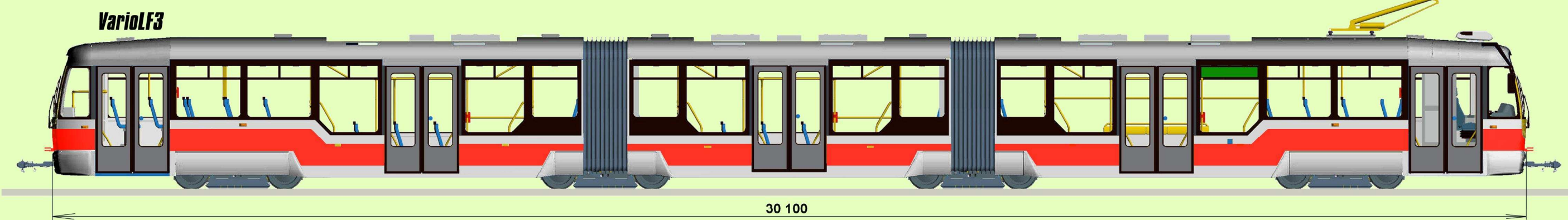
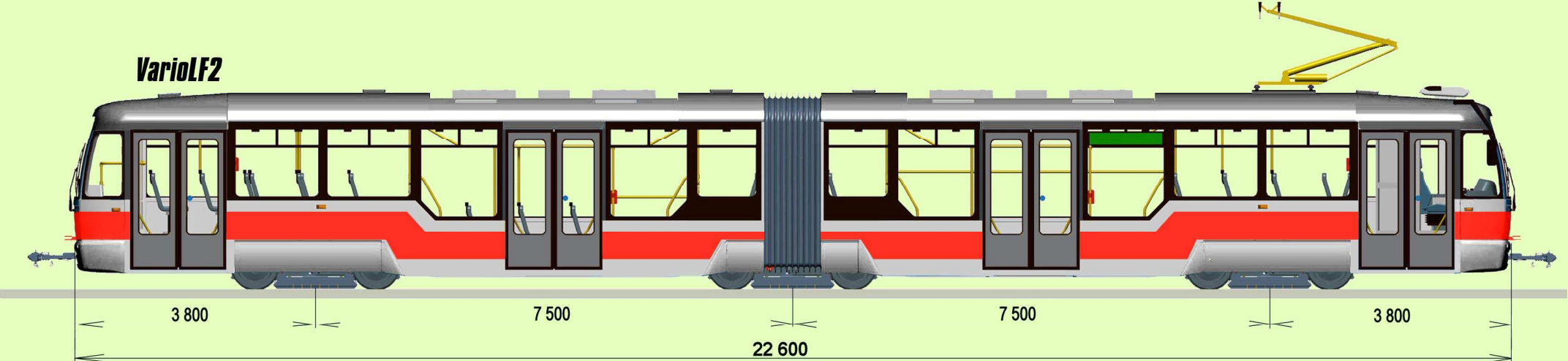
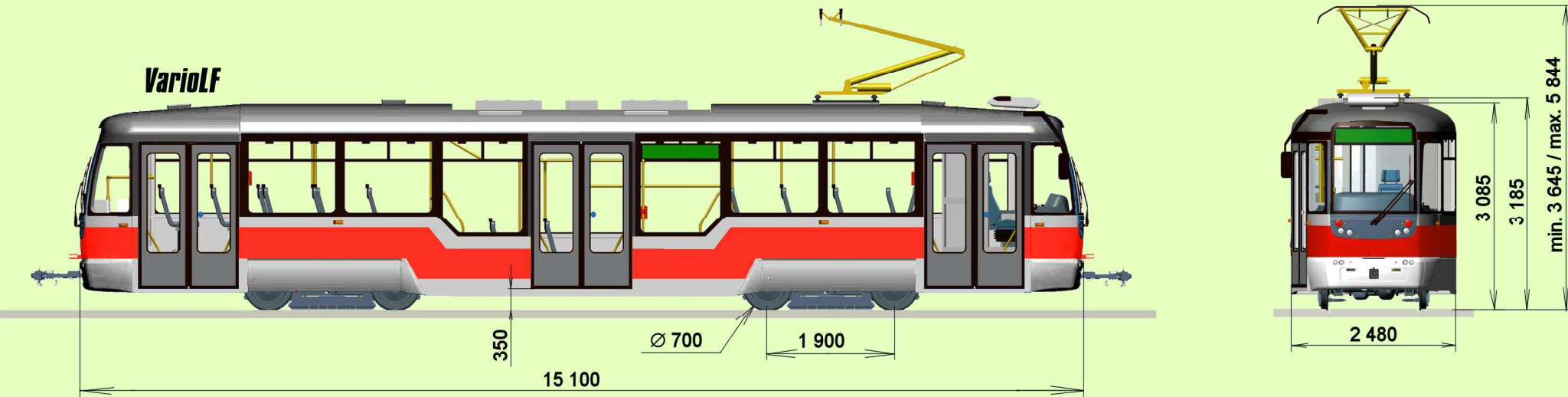
- optimization of direct and indirect operating costs
- fulfilling of the hygienic requirements for operation
- Ensuring the safety and comfort of travel



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Partially low-floor trams **Vario** series *Combination of quality and favorable price*



- ★ **PRINCIPLE**
Modular Solution
- ★ **DESIGN**
Variable Equipment
- ★ **OPERATION**
Variant Usage
- ★ **PURCHASE**
Low Costs
- ★ **PROFITABILITY**
Economical Operation

Specifications				
	VarioLF	VarioLF2	VarioLF3	VarioLF4
Gauge (mm)	1 000/1 435/1 524	1 000/1 435/1 524	1 000/1 435/1 524	1 000/1 435/1 524
Number of Sections (pcs)	1	2	3	4
Length of Tram (mm)	15 100	22 600	30 100	37 600
Maximum Width of Vehicle (mm)	2 480	2 480	2 480	2 480
Number of Driven Pivoted Bogies (pcs)	2	3	4	4
Number of Non-driven Pivoted Bogies (pcs)	0	0	0	1
Bogie Type	Bo'Bo'	Bo'Bo'Bo'	Bo'Bo'Bo'Bo'	Bo'Bo'2'Bo'Bo'
Max/min Wheel Diameter (mm)	700/590	700/590	700/590	700/590
Min. Curve Radius (m)	18	18	18	18
Floor of Vehicles above The Track (mm)	350/860	350/860	350/860	350/860
Share of low floor (%)	36	43	50	61
Number of Doors (pcs)	3	4	5	6
Seatings (pcs)	32	44+2 fold-down seats	61	82
Number of Standing Pass. (8 pass/m²)	116	188	250	308
Max. Occupancy	148	232+2 fold-down seats	311	390
Weight of Empty Car (kg)	21 200	30 000	41 650	50 550
Weight by Max. Occupancy (8 pass/m²) (kg)	31 560	46 240	63 420	77 850
Axle Load (8 pers./m²) (kg)	7 950	7 900	7 950	7 950
Traction Tension (V)	600/750	600/750	600/750	600/750
Transfer of Traction Power	AC	AC	AC	AC
Brake Control	Electromechanic			
Installed Motor Output (kW)	4 x 90	6 x 90	8 x 90	8 x 90
Traction Motors	Closed air-cooled of type TAM 1004 C/R			
Max. Speed (km/hr)	65	65	65	65

Let's go on...