

VOLAT



MINSK WHEEL TRACTOR PLANT COMMERCIAL VEHICLES 2021

VEHICLES OVERCOMING ALL OBSTACLES

History and company information	■ ■ ■ ■
Product range	

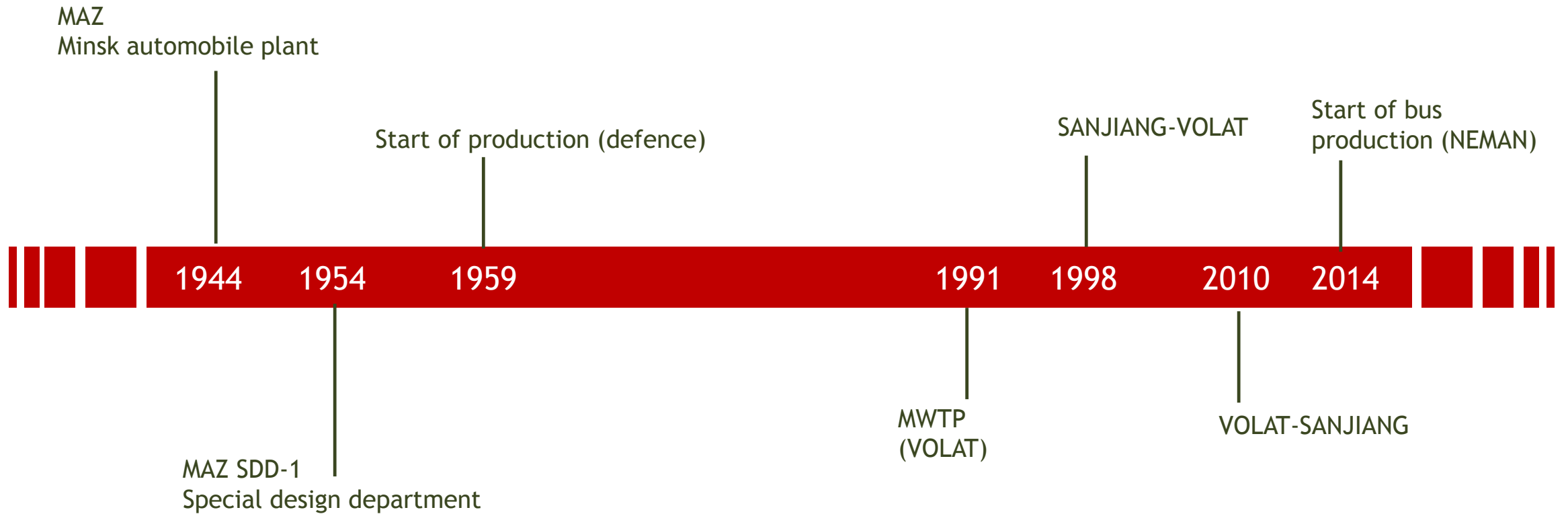


MINSK WHEEL TRACTOR PLANT

VEHICLES OVERCOMING ALL OBSTACLES

For more than 67 years, VOLAT (Minsk Wheel Tractor Plant, JSC) is a leader in design, manufacture and marketing of unique transport solutions for its customers to carry heavy loads and special-purpose sensitive equipment on public roads and in severe terrains

HISTORY





UNIQUE VEHICLES UPON INDIVIDUAL REQUIREMENTS

VOLAT creates vehicles for individual technical requirements of the Customers, from one to several hundred units using the widest possible range of domestic and foreign components

- 250 design engineers in 31 design bureaus
- 180 technological engineers
- 150 test engineers



RELIABILITY

APPROVED BY YEARS OF SERVICE

According to CSI-2019 research the majority of Customers named reliability of VOLAT vehicles as its main feature.

VOLAT long-term experience in the product design, production and testing assures its efficiency in the most severe conditions



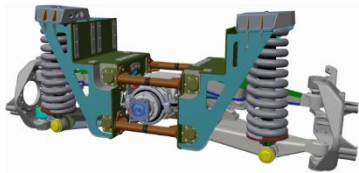
DEVELOPMENT IN ORDER TO SUCCEED

- No. of new main equipment purchased 2007-2016 - 373 units
- Amount spent totaled - >110 mln. USD

Modern manufacturing facility ensures:

- Quality of products
- High Productivity
- Flexibility
- Independence from component suppliers and political independence
- Short time for Prototyping

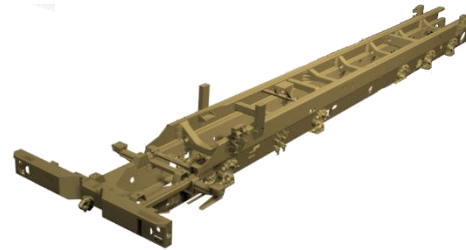
Coil-spring suspension



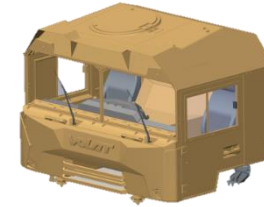
Hydropneumatic suspension



Frames



Cabs



Winches



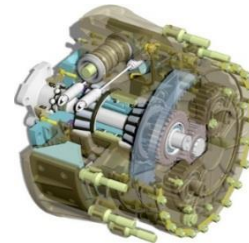
Transfer Cases



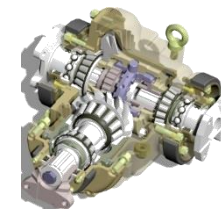
Automatic transmissions



Driving wheel hubs



Final central reduction gears



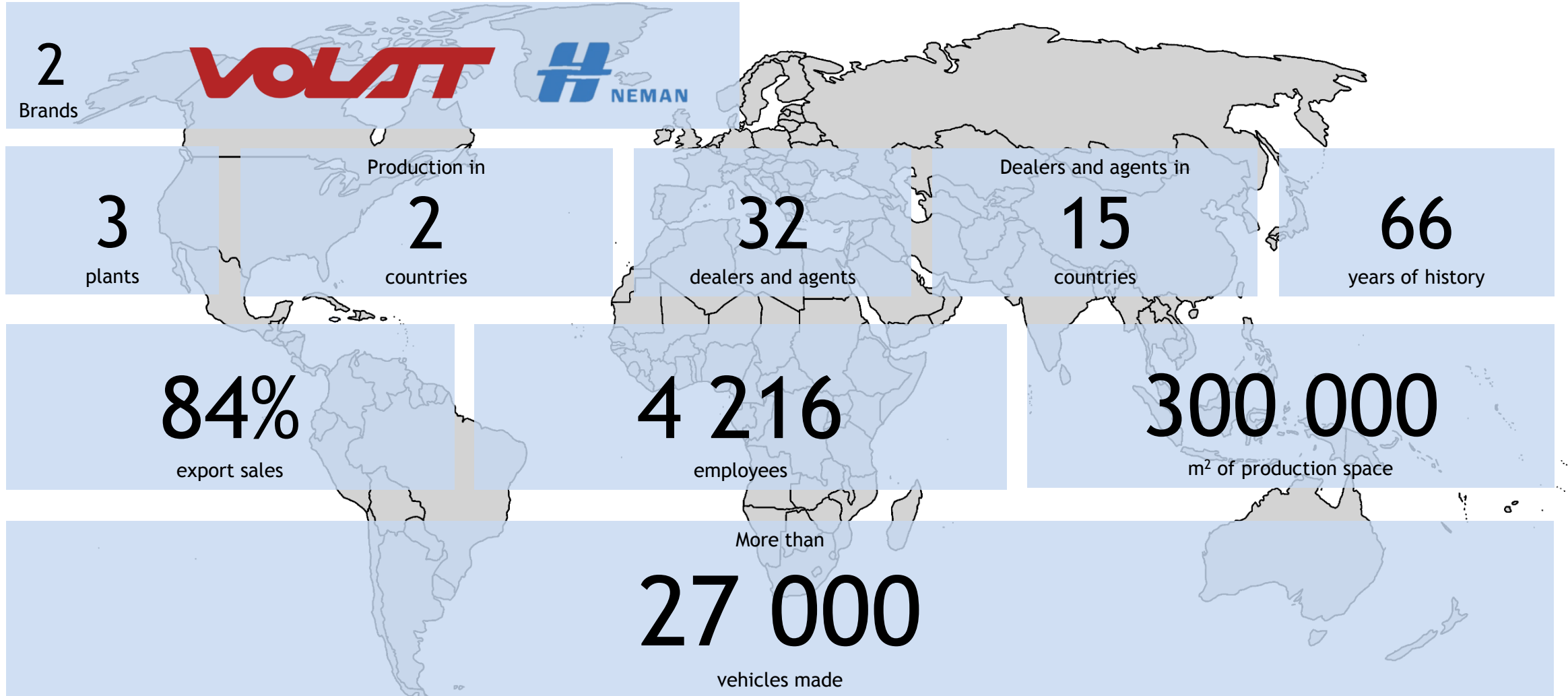
Intermediate central reduction gears



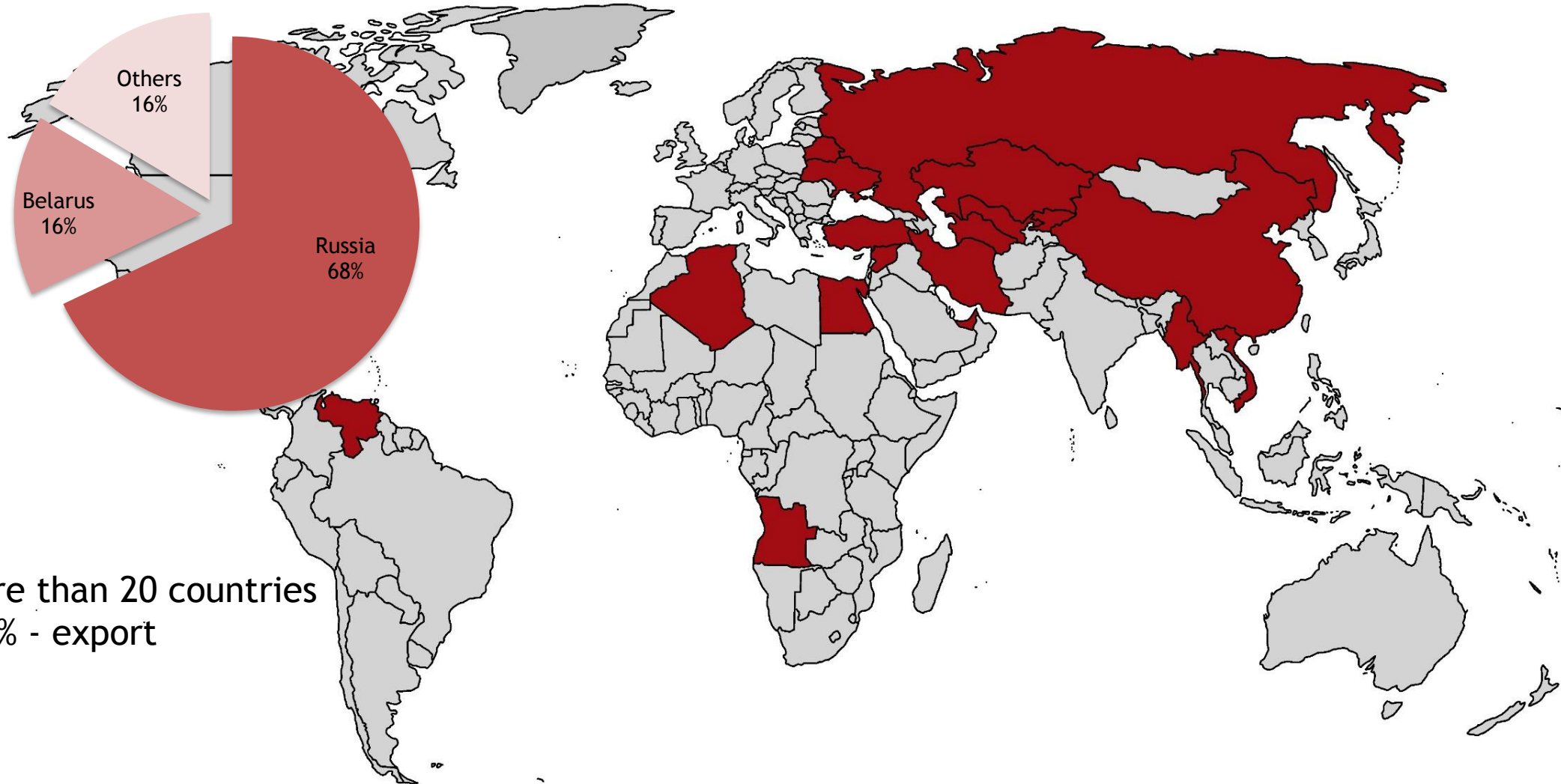


- Maintenance and Repair of the chassis including overhauling and renewal for 3 or 5 years (optional)
- Engine overhaul repair
- Spare parts supply

VOLAT AT A GLANCE



MARKET MIX 2002-2019





- More than 20 countries
- 84 % - export

History and company information

Product range



- Product range 
- Chassis for oil and gas equipment 
- Chassis for truck cranes
- Truck tractors
- Trailers and semitrailers
- Special projects
- Buses

MZKT-800770 (6x6)

AP-60, UPB-60/80

VOLAT



Payload
Engine power
Max. speed

22 000 kg
400 h.p.
52 km/h

MZKT-750110-111 (8x4)

UPA80/100

VOLAT



Payload
Engine power
Max. speed

30 000 kg
412 h.p.
75 km/h

MZKT-652716 (8x8)
IDEL-80

VOLAT



Payload	30 800 kg
Engine power	400 h.p.
Max. speed	56 km/h

MZKT-700800 (8x8) AP-80A

VOLAT



Payload
Engine power
Max. speed

28 500 kg
475 h.p.
47 km/h

MZKT-700200 (8x8)
AP-80

VOLAT



Payload	29 000 kg
Engine power	482 h.p.
Max. speed	47 km/h

MZKT-700400 (10x8)
UPR-100

VOLAT



Payload	40 000 kg
Engine power	482 h.p.
Max. speed	47 km/h

MZKT-700300 (12x12)
IDEL-125

VOLAT



Payload	44 500 kg
Engine power	470 h.p.
Max. speed	45 km/h

MZKT-800300 (12x12)
ARS-125

VOLAT



Payload	44 000 kg
Engine power	547 h.p.
Max. speed	45 km/h

MZKT-791910 (12x12)
BU2000/125



Payload	55 150 kg
Engine power	650 h.p.
Max. speed	48 km/h

MZKT-800500 (14x14)



Payload
Engine power
Max. speed

53 600 kg
2x580 h.p.
40 km/h

MZKT-820200
ARS-200



Payload	50 000 kg
Engine power	2x547 h.p.
Max. speed	50 km/h

MZKT-600300 (4x4)

Sources of seismic signals SV-30/120H



Payload
Engine power
Max. speed

10 000 kg
440 h.p.
40 km/h

MZKT-652513 (6x6)

Sources of seismic signals SV-30/120M



Payload
Engine power
Max. speed

14 600 kg
400 h.p.
60 km/h

MZKT-652712 (8x8)

Cementing pumping unit NS1000-10/Pumping unit N2501-10



Payload	29 500 kg
Engine power	400 h.p.
Max. speed	60 km/h

MZKT-652760-020 (10x10)

VOLAT



Payload	40 000 kg
Engine power	400 h.p.
Max. speed	60 km/h

MZKT-652760-220 (10x10)

Coiled tubing unit MK30T-10

VOLAT



Payload	38 400 kg
Engine power	400 h.p.
Max. speed	60 km/h

MZKT-652760-030 (10x10)

Coiled tubing unit MK30T-50

VOLAT



Payload	43 000 kg
Engine power	400 h.p.
Max. speed	60 km/h

MZKT-652760-230 (10x10)

For installation of coiled tubing equipment

VOLAT



Payload
Engine power
Max. speed

43 000 kg
400 h.p.
50 km/h

MZKT-652760-231 (10x10)

For installation of coiled tubing equipment

VOLAT



Payload	47 000 kg
Engine power	400 h.p.
Max. speed	50 km/h

MZKT-700700 (8x8)

Pumping unit UN-25

VOLAT



Payload
Engine power
Max. speed



29 500 kg
410 h.p.
60 km/h

MZKT-750004 (8x8)

VOLAT



Payload	29 700 kg
Engine power	420 h.p. (E-5)
Max. speed	80 km/h

- Product range 
- Chassis for oil and gas equipment
- Chassis for truck cranes 
- Truck tractors
- Trailers and semitrailers
- Special projects
- Buses

MZKT-750110-110 (8x4)
KS-64713-2 (50 t)

VOLAT



Payload	30 100 kg
Engine power	412 h.p.
Max. speed	70 km/h

MZKT-750110-120 (8x4)
KS-65721-2 (60 t)

VOLAT



Payload	33 000 kg
Engine power	412 h.p.
Max. speed	70 km/h

MZKT-750003-010 (8x4)

For mounting of crane equipment (60 t)

VOLAT



Payload
Engine power
Max. speed

33 000 kg
420 h.p. (E-5)
70 km/h

MZKT-750120 (10x4)
KS-74721-2 (70 t)

VOLAT



Payload	41 100 kg
Engine power	412 h.p.
Max. speed	70 km/h

MZKT-652715 (8x8)

KS-65721-6 (50-60-70 t)

VOLAT



Payload	31 500 kg
Engine power	412 h.p.
Max. speed	70 km/h

MZKT-750002 (8x8)
KS-75721-6 (70 t)

VOLAT



Payload	31 150 kg
Engine power	420 h.p. (E-5)
Max. speed	80 km/h

MZKT-790200 (10x10)

KS-74713 (80 t)

VOLAT



Payload	43 000 kg
Engine power	470 h.p.
Max. speed	70 km/h

MZKT-740001 (10x4)
KS-84713-2 (100 t)

VOLAT





Payload	44 000 kg
Engine power	412 h.p.
Max. speed	50 km/h

MZKT-750001 (10x10)
KS-84713-6 (100 t)

VOLAT



Payload	43 000 kg
Engine power	420 h.p.
Max. speed	50 km/h

- Product range 
- Chassis for oil and gas equipment
- Chassis for truck cranes
- Truck tractors 
- Trailers and semitrailers
- Special projects
- Buses

MZKT-750440 (8x8)

Truck tractor

VOLAT



Fifth-wheel load
Engine power
GCW

27 000 kg
462 h.p. (E-5)
up to 130 000 kg

MZKT-741600-011/010 (8x8)

Truck/ballast tractor

VOLAT



GCW **90 000 kg**
Engine power 600 h.p.
Max. speed 90 km/h

GCW **250 000 kg**
Engine power 600 h.p.
Max. speed 80 km/h

MZKT-742900 (8x8)

Truck tractor

VOLAT



Fifth-wheel load
Engine power
GCW

23 000 kg
470 h.p.
up to **100 000 kg**

MZKT-742910 (8x8)

Truck tractor

VOLAT



Fifth-wheel load
Engine power
GCW

28 000 kg
600 h.p.
up to **125 000 kg**

MZKT-741310 (8x8)

Truck tractor

VOLAT



Fifth-wheel load
Engine power
GCW

30 000 kg
650 h.p.
up to **130 000 kg**

MZKT-741320 (8x8)

Ballast tractor

VOLAT



Ballast weight
Engine power
GCW

15 000 kg
650 h.p.
up to 142 000 kg

MZKT - 730240 (4x4)

Terminal tractor

VOLAT





Fifth-wheel load	32 000 kg
Engine power	250 h.p.
Max. speed	30 km/h

- Product range
- Chassis for oil and gas equipment
- Chassis for truck cranes
- Truck tractors
- Trailers and semitrailers
- Special projects
- Buses



MZKT TRAILER RANGE

VOLAT offers a wide range of trailer and semitrailer models, with the maximum load capacity range from 15 to 80 tons, and the number of axles from 2 to 6. Volat makes not only standard semitrailers for transportation of cargo but also motorised semitrailers designed to place, carry and drive the drilling and other equipment

- Product range 
- Chassis for oil and gas equipment
- Chassis for truck cranes
- Truck tractors
- Trailers and semitrailers
- Special projects 
- Buses

MZKT-651510 (8x4)

Dump truck

VOLAT



Payload	30 000 kg
Engine power	400 h.p. (E-3)
Max. speed	75 km/h

MZKT-750100 (8x4)

Dump truck

VOLAT



Payload
Engine power
Max. speed

32 000 kg
412 h.p. (E-4)
80 km/h

MZKT-750500 (8x4)

Dump truck

VOLAT



Payload	32 000 kg
Engine power	460 h.p. (E-5)
Max. speed	80 km/h

MZKT-652700 (8x8)

Dump truck

VOLAT



Payload	27 000 kg
Engine power	400 h.p.
Max. speed	80 km/h

MZKT-790110 (8x8)

Frac sand truck

VOLAT



Payload	18 000 kg
Engine power	400 h.p.
Max. speed	80 km/h

MZKT-692371 (8x4)

Multipurpose chassis

VOLAT



Payload	18 000 kg
Engine power	400 h.p.
Max. speed	80 km/h

MZKT-730100 (8x8)

Cargo truck with Fassi F110A.21 crane

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Payload
Engine power
Max. speed

24 000 kg
400 h.p.
85 km/h

MZKT-730110 (8x8)

Hiab Multilift XR18S53

VOLAT



Payload	20 000 kg
Engine power	400 h.p.
Max. speed	75 km/h

MZKT-700610 (8x4)

Concrete pump Putzmeister M47-5

VOLAT



Payload

24 200 kg

Engine power

400 h.p.

Max. speed

75 km/h

MZKT-700650 (10x4)

Concrete pump EVERDIGM ECP52CS-5

VOLAT



Payload
Engine power
Max. speed

37 000 kg
476 h.p.
70 km/h

MZKT-790976 (8x8)

Transporter

VOLAT



Payload
Engine power
Max. speed

45 000 kg
550 h.p.
60 km/h

MZKT-790960 + MZKT-900110 (8x8)

Off-road heavy-duty pipe transporter

VOLAT



Payload	50 000 kg
Engine power	470 h.p.
Max. speed	30 km/h

MZKT-652770 (12x12)

HAMMAR 190/195 sloader

VOLAT



Payload	33 000 kg
Engine power	470 h.p.
Max. speed	70 km/h

MZKT-791300 (8x8)

Pipe transporter with Palfinger PK 33002 EH crane



Payload	16 000 kg
Engine power	544 h.p.
Max. speed	70 km/h

Product range



Chassis for oil and gas equipment

Chassis for truck cranes

Truck tractors

Trailers and semitrailers

Special projects

Buses



NEMAN - 420211-511

City bus

VOLAT



Passenger capacity	40-44
Engine power	170 h.p. (E-5)
Max. speed	90 km/h

NEMAN - 420224-511

Intercity bus

VOLAT



Passenger capacity	31
Engine power	170 h.p. (E-5)
Max. speed	90 km/h

NEMAN - 420234-511

Tourist bus

VOLAT



Passenger capacity	28
Engine power	170 h.p. (E-5)
Max. speed	90 km/h

NEMAN-420224-511-01

Suburban bus

VOLAT



Passenger capacity	40
Engine power	170 h.p. (E-5)
Max. speed	90 km/h

NEMAN - 420238-511

School bus

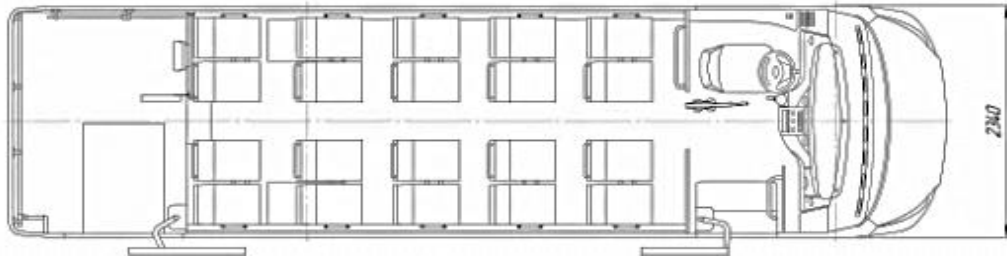
VOLAT



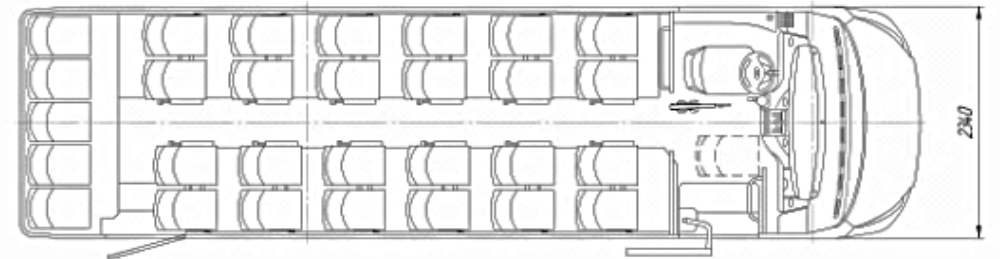
Passenger capacity	29+1
Engine power	170 h.p. (E-5)
Max. speed	60 km/h

NEMAN - 4202

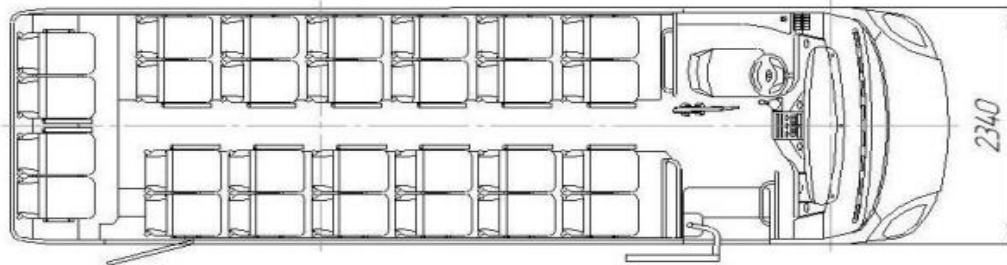
Interior configuration



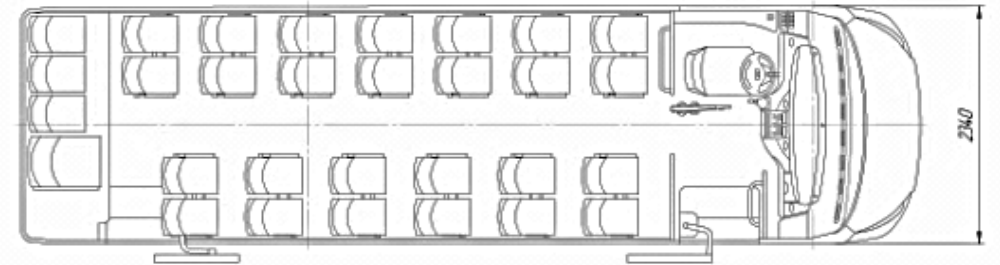
Intersity (20 seats, 44 full capacity)



Suburban/Intercity (30 seats, 40 full capacity)



Tourist (28 seats, 28 full capacity)



School (30 seats, 30 full capacity)

THANK YOU FOR YOUR ATTENTION!