

LDZ ROLLING STOCK SERVICE

Repair, assembly and equipping of railway rolling stock

 **LDZ**
RITOŠĀ SASTĀVA SERVISS

OUR KEY FIGURES:

- re-established: 1991 / established in Y1919.
- cargo turnover: 37,9M tons / average in last 10Y
- passengers: 19,4M / 60% of Baltic Countries
- turnover: 150+M EUR / holding: 260+M EUR
- employees: 3500 / holding: 6000
- railway gauge: 1520mm / + construction of 1435mm
- share holder: 100% State owned company



582

Crossings



1779 km

Track length
(exp length 3147 km)



250 km

Operating length of
electrified sections



140

Railway
stations



128

Stopping
points

Latvian Railways - SJSC «Latvijas dzelzceļš»

Holding company | Infrastructure manager |
Infrastructure construction

www.ldz.lv



«LDz Cargo» Ltd.

- Cargo carrier
- Wagon fleet owner



<https://ldzcargo.ldz.lv>



«LDz Loģistika» Ltd.

- Full range of logistics services
- Terminal handling services



<https://logistika.ldz.lv>



«LDz ritošā sastāva serviss» Ltd.

- Service and upgrading of the rolling stock
- Lease of the rolling stock
- Equipping services and sale of fuels



<https://riss.ldz.lv>



«LDz Apsardze» Ltd.

- Technical security
- Physical security
- Cargo security services



<https://apsardze.ldz.lv>



JSC «LatRailNet»

Pursuant to the Railway Law, decides on the allocation of capacities, railway tracks, and infrastructure fees

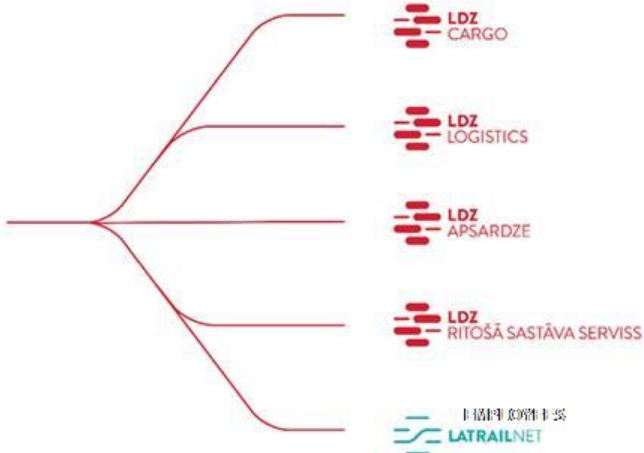


<https://ln.lv>



“LDZ ROLLING STOCK SERVICE”

100% state-owned railway company in Latvia



1997

SPECIALIZES IN

- Repair, assembly and equipping of railway rolling stock
- Modernization of mainline and shunting locomotives
- Storage and sales of fuel to railway carriers
- Non destructive laboratory



LOCOMOTIVE REPAIR CENTER

- Repairs, assembly and equipping of mainline and shunting diesel locomotives
- Maintenance and repairs of infrastructure rolling stock
- Locomotive equipping with fuel, sand and other technical liquids



gauge
1520
mm

WAGON REPAIR CENTER

- Freight wagon repairs
- Prolongation of service life of freight wagons
- Modernization of freight wagons and its assemblies
- Inspection and repair of wagon structure and elements, including automatic brakes and automatic couplings
- Wheelsets repair for wagons with element replacement
- The processing of the rolling surfaces of the wheelsets of 1520 mm and 1435 mm railway track gauge



gauge
1520
mm

DEPOT TYPE
REPAIRS

within
3
days

OVERHAULS

within
5
days

RAIL TRACK VEHICLE REPAIR CENTER

- Provide, organize and carry out current, medium and overhaul repairs for any type of track vehicles
- Provide full repair of all track vehicles in the Republic of Latvia
- Repairs of hazardous equipment (cranes, hoisting mechanisms) and other construction equipment
- Rail track vehicles rent
- Qualified specialists and equipment to repair all Plasser&Theurer rail track vehicles
- Specialists have been trained by Plasser&Theurer in Austria and have relevant certificates
- The repair center is the leader in the Baltic countries, capable of repairing rail track machines of any complexity

Plasser & Theurer

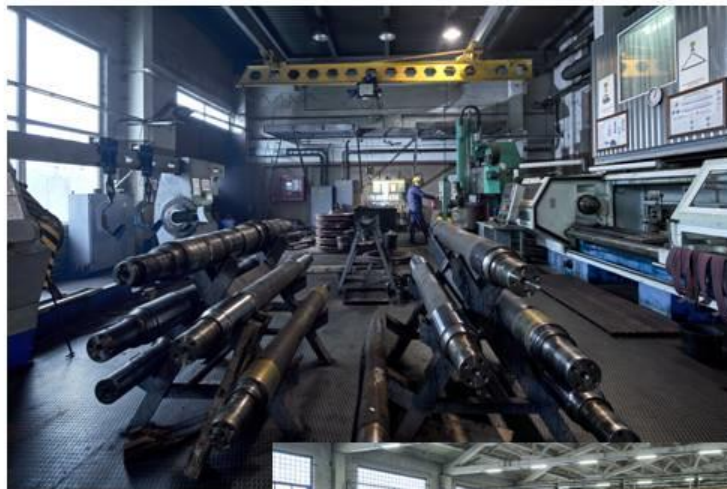


MUTUALY BENEFICIAL COLLABORATION



KEY COOPERATION AREAS:

- CARGO TRANSPORTATION
- LOCOMOTIVE RENTALS
- WAGON REPAIRS
- LOCOMOTIVE REPAIRS
- RAIL TRACK VEHICLE EQUIPMENT REPAIRS
- MODERNIZATION OF LOCOMOTIVES
- INFRASTRUCTURE CONSTRUCTION SERVICES



LOCOMOTIVE FLEET

- 2M62 / 2M62U
- 2M62UM
- 2TE10
- 2TE116

- TGM23BV
- CME3
- CME3M



EXPERIENCE

BUILTED Railway platforms 13-4012-01M1A1 for the transportation of military vehicles and equipment

- ❑ **Maximum single axle load 25 tons (standard 21 tons)**
- ❑ **Maximum lifting capacity of one platform 72 tons (standard 66 tons)**
- ❑ **Additional mounting points for any type of equipment**
- ❑ **Platforms are designed for quick loading and unloading of equipment**
- ❑ **Platforms are visually indistinguishable from standard platforms**



EXPERIENCE

Railway platforms for the transportation of military vehicles and equipment



Workshop
of
locomotive
repairs

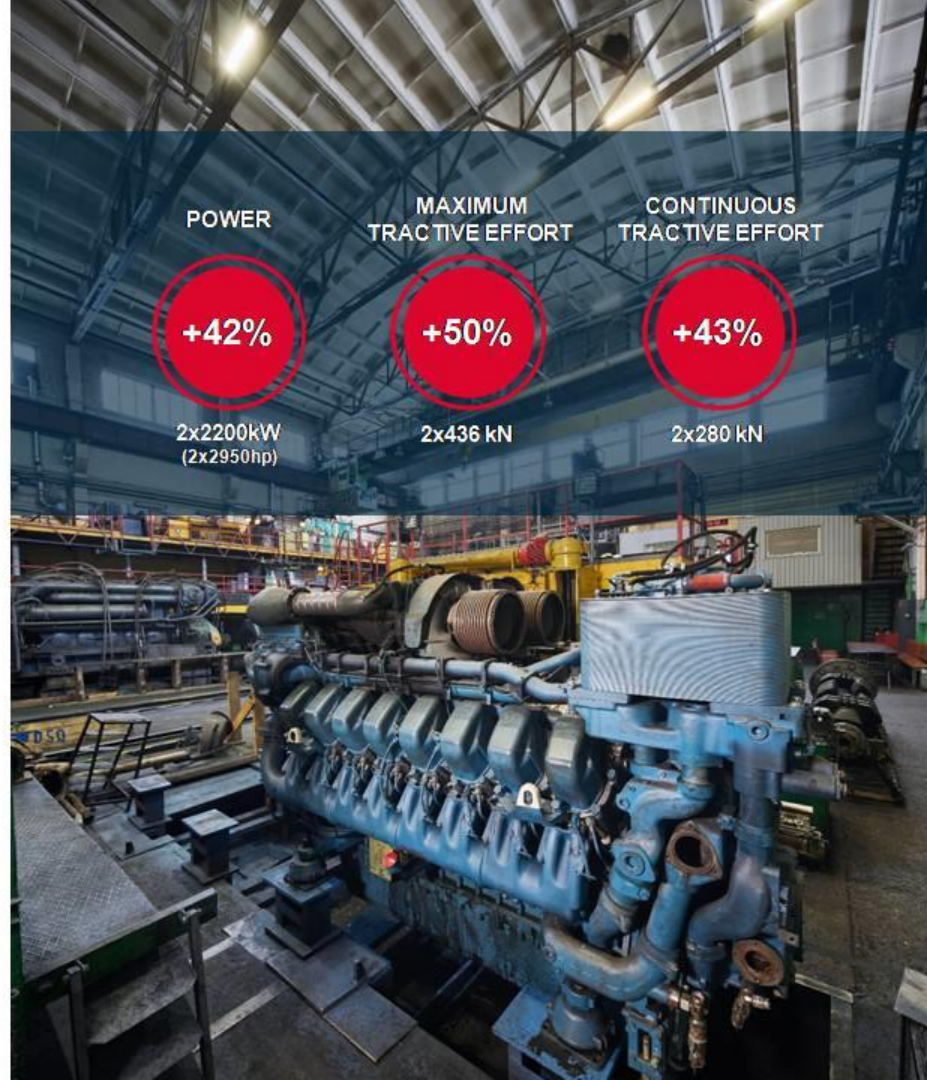


Workshop
of Wagon
repair



MODERNIZATION AND ASSEMBLY OF ROLLING STOCK

- Opportunity to renew technically outdated rolling stock
- Locomotive's lifetime prolongation up to 30 years
- Increase in power output (from 4 000 hp up to 6 000 hp)
- Possibility to carry heavy-weight trains
- Increased service intervals; decrease in the amount of repairs and maintenance operations by 50%
- Possibility of more efficient use of the locomotive in transportation



POWER

+42%

2x2200kW
(2x2950hp)

MAXIMUM
TRACTIVE EFFORT

+50%

2x436 kN

CONTINUOUS
TRACTIVE EFFORT

+43%

2x280 kN

MODERNIZATION AND ASSEMBLY PROJECT OF SHUNTING LOCOMOTIVES

- Modernization projects of ČME3 locomotives were launched in 2010:
- increase of power from 993 kW to 1550 kW, by installing the new Caterpillarengine
- other improvements for the provision of safety, economy, comfort and environmental protection requirements
- Power increase of the modernized locomotives is around 35%, while fuel consumption is reduced by 20%
- Since 2011 fourteen modernized ČME3M locomotives have been put into operation, three ČME3 locomotives were modernized using 1000kW powerful CAT3508C diesel engine



INTERNATIONAL COOPERATION



P3, P4
Locomotive's
repair





THANK YOU FOR YOUR ATTENTION!

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MORE INFORMATION:



The logo icon consists of four horizontal white bars of varying lengths, stacked vertically. The top bar is the longest, followed by a shorter bar, then a bar of the same length as the second, and finally the shortest bar at the bottom.

LDZ RITOŠĀ SASTĀVA SERVISS