EUROPLATFORM PURCHASE PROJECT

Forwarder

Tariff payer

Shipper

EVU – railway transport company

ECM

Car safety

Workshop

Available (Stock)

EIU - Infrastructure Manager

Railway

Car manufacturer

Terminal

Ey Транс

Director: Evgen Balashov

Content

1. Marketing information about cargo flow correspondence

- To Poland:
  - For 6 months of 2024 11.06 million tons of cargo were transported, which is 36% more than in 6 months. 2023 (Yagodyn = 2.08 million tons, growth +71%; Rava-Rus`ka = 268 thousand tons, growth +195%; Mostyska 2 = 2.64 million tons, growth +22%; Izov = 6 .08 million tons, growth +30%).
  - Top 5 cargo transported :
    I. Iron and manganese ore + pellets – 24% ~ 433 thousand tons/month;
    II. Grain – 12% ~ 217 thousand tons/month;
    III. Import of petroleum products – 11% ~ 212 thousand tons/month;
    IV. Mineral building materials – 9% ~ 162 thousand tons/month;
    V. Ferrous metals – 7% ~ 134 thousand tons/month.
- To Slovakia:
  - For 5 months of 2024 4.77 million tons of cargo were transported, which is 15% less than in 5 months 2023 (Chop = 2.5 million tons, decrease -13%; Uzhgorod = 2.27 million tons, decrease -17%).
  - Top 3 cargo transported (the same for both crossings):
    I. Iron and manganese ore + pellets – 78% ~ 740 thousand tons/month;
    II. Grain – 9% ~ 89 thousand tons/month;
    III. Hard coal – 3% ~ 29 thousand tons/month (37% export + 63% import).

1. Marketing information about cargo flow correspondence

- To Hungary:
  - Over the 6 months of 2024, 1.47 million tons of cargo were transported, which is 44% less than in the 6 months of 2023 (Batevo = 1.03 million tons, a decrease of 47%; Chop = 437 thousand tons, a decrease of 33%).
  - Top 3 cargo transported:
    I. Iron and manganese ore + pellets – 35% ~ 85 thousand tons/month (Ferrexpo – constant volume = 75-80 thousand tons/month; Metinvest / Arcelor Mittal – transportation volumes fell in 2024);
    II. Grain – 28% ~ 68 thousand tons/month;
    III. Cement – 8.4% ~ 21 thousand tons/month.
  - Through Batevo/Epereshke travels: 1-ore, 2-cement, 3-grain;
  - Through Chop/Zahon` travels: 1-grain, 2-petroleum products, 3-ferrous metals.
- To Romania:
  - For 6 months of 2024, 1.57 million tons of cargo were transported, which is 16% less than for 6 months of 2023 (Vadul-Siret = 1.36 million tons, a decrease of 7%; Dyakovo = 208 thousand tons, a decrease – 47%).
  - Top 4 transported cargo :
    I. Grain – 36% ~ 93 thousand tons/month;
    II. Import of petroleum products – 22% ~ 58 thousand tons/month;
    III. Cement – 17% ~ 43 thousand tons/month;
    IV. Timber cargo – 11% ~ 30 thousand tons/month.
  - Traveling through Vadul-Siret: 1-grain, 2-petroleum products, 3-cement, 4-timber;
  - Traveling through Dyakovo: 1-grain, 2-cement, 3-timber.

1. Marketing information about cargo flow correspondence

- To Moldova:
  - In 6 months of 2024, 1.15 million tons of cargo were transported, which is 24% less than in 6 months of 2023.
  - Top 4 transported cargo:
    I. Grain – 30% ~ 58 thousand tons/month;
    II. Mineral building materials – 18% ~ 34 thousand tons/month;
    III. Iron ore – 14% ~ 27 thousand tons/month;
    IV. Ferrous metals – 11% ~ 21 thousand tons/month.
- To Germany:
  - A project to transport alcohol and rapeseed for biodiesel production.

2. Marketing information on manufacturers and owners of fitting platforms of this type

1. TransAnt, Austria / PJSC Dniprovagonmash, Ukraine
2. Kryukiv Wagon Building Plant, Ukraine
3. Nymwag, Czech Republic
4. Wascosa AG, Switzerland
5. Tatra Vagonka, Slovakia
6. GÖK GROUP - Gök Rail, Turkey
7. Vako (Vagon Konteyner San. Tic. A.Ş.), Turkey
8. Duro Dakovic Holding, Croatia
9. LOKO TRANS, Slovakia
10. ERR (European Rail Rent GmbH), Germany

3. Technical justification for choosing fitting platforms of this type. Platforms with reduced packaging due to removable ballasts.

Wagon types

Platform nomenclature

70ft
22 898 mm

60ft
19 810 mm

52ft
17 336 mm

48ft
16 117 mm

45ft
15 202 mm

40ft
13 689 mm

33ft double
22 500 mm

Made to order

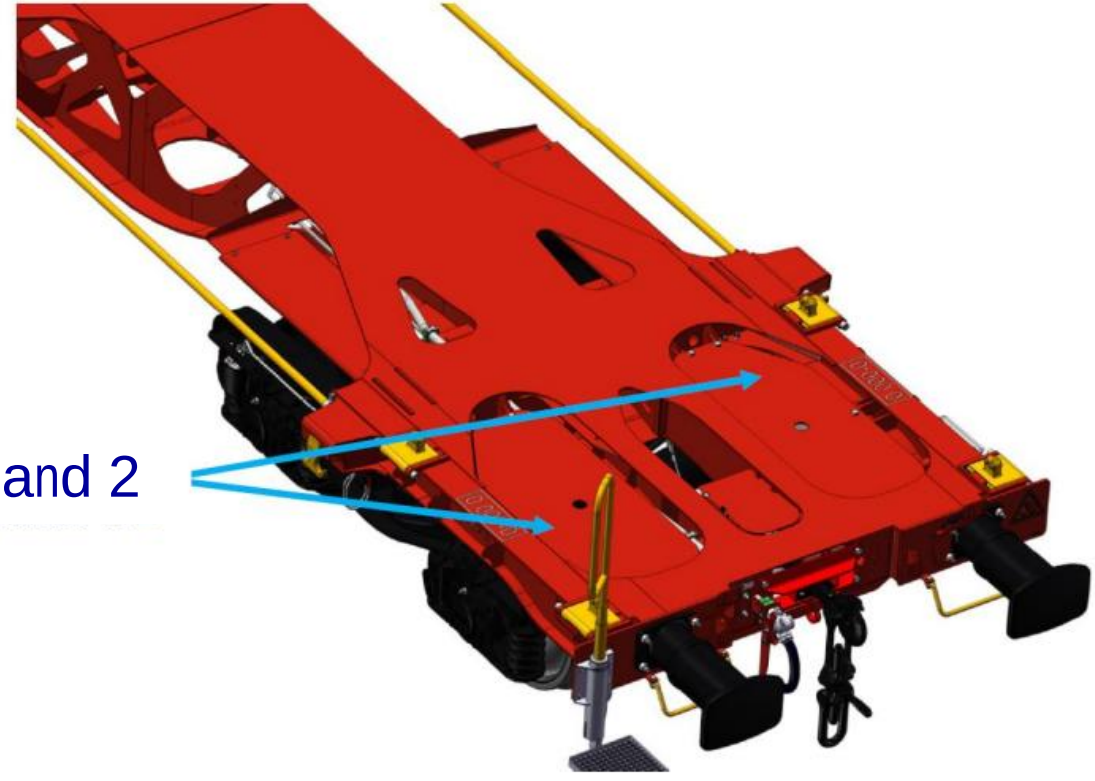
33ft ≤ x ≤ 70ft

➔ Right Owner – TransAnt, manufacturer – Dniprowagonmash

3. Technical justification for choosing fitting platforms of this type. Removable ballast weights.

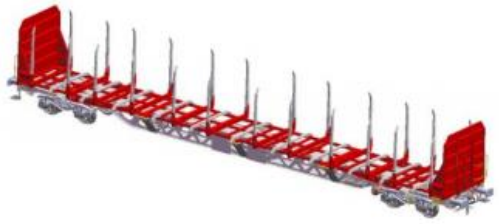
➔ Ballast weights on platforms 33, 40, 48-f

	Ballast weight 1	Ballast weight 2
Material	ALFORM 700ME	S355J2+N
Weight, kg	59,88	366
Quantity / Wagon	4	4



Ballast weights 1 and 2

3. Technical justification for choosing fitting platforms of this type. Types of superstructures.

		
	Flat BOX 70ft	**Cover BOX 70ft**
Weight, t	22,2	23,6
Load capacity, t	67,8 (Rnooss + 3,8 т)	66,4 (Habbiins + 3,9 т)
Body volume, m3	109	123 (Habbiins - 6,4 м³)
Length Configurations	Від 40 до 70-ф	-
Model number	Rns G2	Rilns
Number of axes	4	4
Bogie	Y25 with compact brake	Y25 with compact brake
Base, mm	17 300	17 300
Length by buffers, max., mm	22 900	22 900
Loading area length, mm	21 400	21 400
Width of loading area, mm	2450	2600
Internal height, mm	-	2100
Volume, m3	140	117

3. Technical justification for choosing fitting platforms of this type. Types of superstructures.

		
	Multi BOX 48 ft	**Bulk BOX 33 ft**
Weight, t	20	39
Load capacity, t	70 (Eanos + 4 т)	140
Body volume, m3	83,7	80
Model	Eanos	Falmmrrs
Number of axes	4	8
Base	-	2 x 6,5
Loading area length, mm	14 700	2 x 9 800
Cargo type	сыпучие и поштучные	сыпучие (в т.ч. руда/окатыши)
Bogie	Y25 with compact brake	Y25 with compact brake

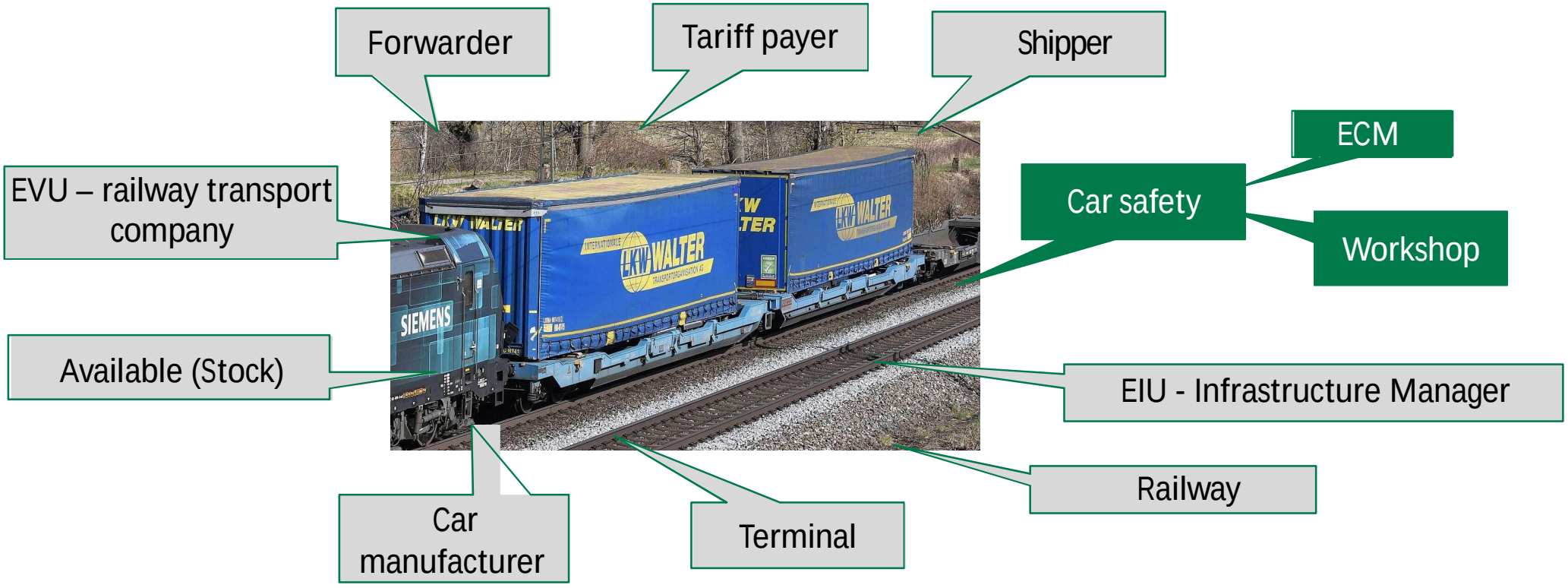
3. Technical justification for choosing fitting platforms of this type. Types of superstructures.

- Multi BOX - the body is available in various lengths and configurations according to customer requirements. Lengths range from 33 to 60 feet, with 33- and 40-length bodies able to be mounted two at a time on articulated platforms. Possible dimensions: G1 and G2. Materials for side and end walls and floors: high-strength steel Alform 550 with a choice of sheet thickness.

- Bulk Box 33-ft Double - the body is designed for bulk cargo, in particular optimized for the transportation of ore; equipped with side folding frames. The low tare weight of the body, 39t, increases it proportionally. load capacity – 140 t (compared to Faalns type – 96 t). The body has two separate loading openings; control is provided on both sides, both individual and general. The operation of a car with a "BulkBox" body, due to its high freight capacity, allows reducing the number of trips by 100 per year.

- CoverBox 70-ft - The Rilns type car consists of a 4-axle flat car and a modular “CoverBox” superstructure with a canvas cover for long loads and those requiring protection. Compared to the Habbiins type, the carrying capacity of this car, due to the reduced tare weight (24 tons), is proportionally increased by 3.7 tons and amounts to 66.4 tons. For loading from above, a movable, non-removable canvas cover is provided. From the side, the structure is equipped with four movable canvas “curtains”.

The technology of railway transport operation at the EU training ground



Basic abbreviations

- ECM – Entity in Charge of Maintenance.
- EVU – Eisenbahnverkehrsunternehmen / Railway Undertaking.
- EIU – Eisenbahn-Infrastruktur Unternehmen / Infrastructure manager.
- AVV – General Contract of Use for Wagons (GCU).
- Tf – Triebfahrzeugführer / Locomotive driver.
- EBA – Eisenbahnbundesamt, Eisenbahnbehörde in Deutschland / German Ministery for railways.
- TU - Technische Überwachung (in Österreich) / Technical survey of railway safety (in Austria).
- WgM - Wagenmeister / Wagon inspector.

Purchase of rolling stock

➔ Cycles relevant for purchase:

- ✓ Wagon service life: 30-40 years;
- ✓ Depreciation of a standard carriage: usually 20-25 years;
- ✓ Depreciation of a special car: usually 12 years;
- ✓ Replacement body depreciation: 6-8 years.

➔ Standard contract terms:

- ✓ Intermodal transportation: 1-3 years;
- ✓ Tank wagon: 2-6 (...12) years;
- ✓ Bulk products: 3-12 years.

Purchasing rolling stock: advantages

- Flexibility in responding to customer requests (including changes in transportation rates or routes).
- Own pricing policy.
- Possibility of supplying wagons to the territory of Ukraine (since due to military operations, many companies do not allow their wagons to enter Ukraine).
- Opportunity to participate in large projects for the export of goods from Ukraine (including in cooperation with partners).
- Reducing costs for renting wagons.

Potential for effectiveness: summary

- Clear distribution of roles between service providers;
- Clear definition of the scope of services;
- Clarity in communication, early communication;
- Operational safety of used cars;
- Contract management;
- Insurance.