



RAPID RESPONSE TO DAMAGE OF THE RAILWAY NETWORK

Feb 2023



EQUIPMENT OF EMERGENCY RECOVERY TRAINS

Procurement of hydraulic equipment (Hegenscheidt-MFD light-metal re-railing system)



Current situation: During hostilities, rolling stock and railway infrastructure of Ukraine suffers significant damage and requires urgent restoration. UZ Emergency Recovery Trains (ERT), equipped with specialized equipment, are used to eliminate the consequences of emergency situations such as train wrecks, track damage, etc.

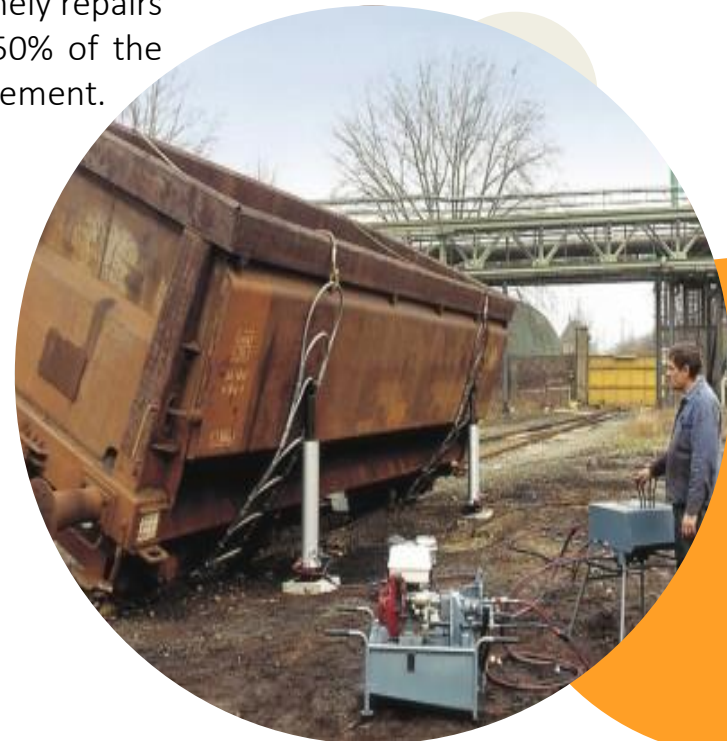
58 sets of foreign-made hydraulic equipment are used in ERT and require timely repairs and maintenance using specific components, spare parts and materials. 50% of these sets have been in operation for 35-40 years and require gradual replacement.

The initial need is to replace at least 12 re-railing systems.

Price per unit	USD 260 thousands
Total per 12 units	USD 3,1 million



Manufacturer



RAPID RESPONSE VEHICLES FOR PROMPT RESTORATION

Procurement of combined road/rail vehicles (Hegenscheidt-MFD)



Current situation: Rapid response to damage to the railway network in conditions of limited access to the site requires reliable emergency vehicles with combined drive with appropriate equipment to conduct prompt repair works in rough environments.

The proposed solution are specialized combined road/rail vehicles manufactured by Hegenscheidt-MFD.

These combined road/rail vehicles can transport rerailing equipment as well as all other required equipment to the site of the accident by the quickest route. The add-on hydraulic unit specially developed by Hegenscheidt-MFD is attached to the front of the vehicle and replaces the pump unit and control panel which would otherwise be required.

Price per unit	approx. USD 415,3 thousands
Total per 10 units	approx. USD 4,2 million



INCREASING THE RELIABILITY OF RAILWAY CRANES



Procurement of a new crane on a railway drive with a telescopic boom and a load capacity of 160 tons and more

Current situation: 91% of the fleet of lifting cranes have exhausted their standard service life (33 years). It is proposed to replace old cranes with a modern one manufactured by the German company "KIROW" with a telescopic boom and a double swivel wheel.

The cranes of this company have been used on Ukrainian railways for more than 70 years and have proven their reliability and efficiency in eliminating the consequences of railway accidents.



Price per unit	EUR 7,5 million
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Manufacturer

