



MONTAN SPEDITIONS GMBH

(Forwarding Agency)

Raw Material Logistics with MOCO



Reloading from 20 ft Bx-Ct to MOCO



MOCO - MONTAN Container

MOCO-BULK 30 ft-OT (Open Top)-Half-Container

ideal for heavy bulky goods and cranable materials

Flexible Loading and Unloading:

bulky and cranable goods from the top, with forklift from the rear,
discharging of bulky material by tipping



Universal Transportation Opportunities:

Street: Transport on trucking-chassis

Rail: Transport on railway car

Easy Handling:

With reach stacker,

empty also with regular forklift truck





MOCO - Bulk

Specialist for bulky Raw Materials



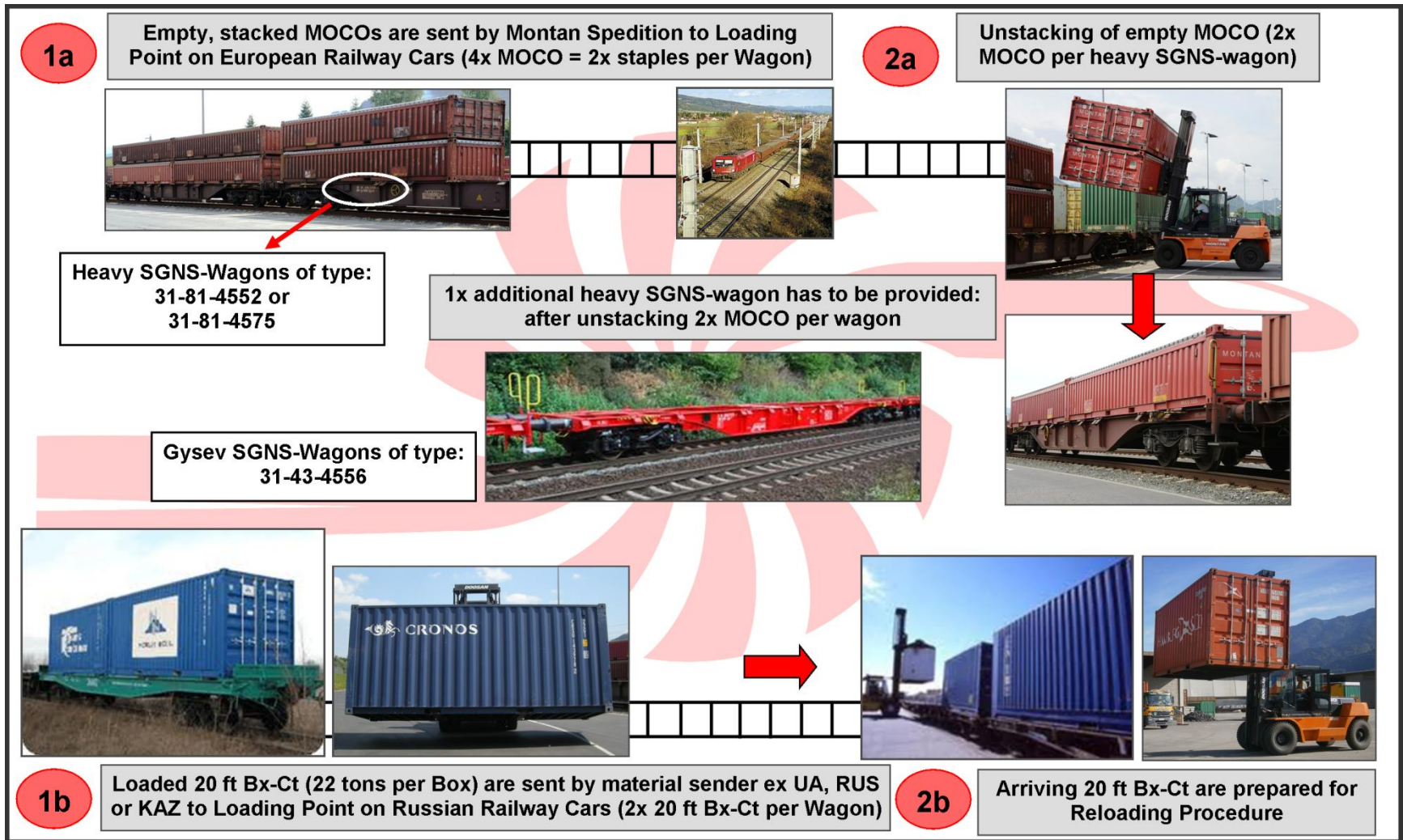
Technical Details

Length	8.975 mm
Width	2.438 mm
Height	1.100 mm
Volume	22 - 24 m ³
Max. Loading Weight	Up to 32 tons
Euro-Pallets	22 pcs
100% Humidity Protection	



Reloading from 20 ft Bx-Ct - MOCO [1]

Overview of Logistics Solution for Raw Materials



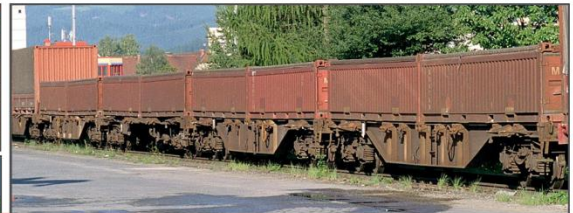


Reloading from 20 ft Bx-Ct - MOCO [2]

Overview of Logistics Solution for Raw Materials

3

Reloading of bulky/loose Material: Goods from 3x 20 ft Bx-Ct (ca. 66 tons) are loaded into 2x MOCO with front loader

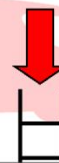


4a



Empty 20 ft Bx-Ct are sent back by Loading Location to UA, RUS or KAZ on Russian Wagons

4b



Loaded MOCOs (2x MOCOs per wagon) are sent by Loading Location to Final Destination (e.g. A, D) on heavy European SGNS-Railway Cars
Sample Destination Station: Kapfenberg CCT with No: 0081-01982-8

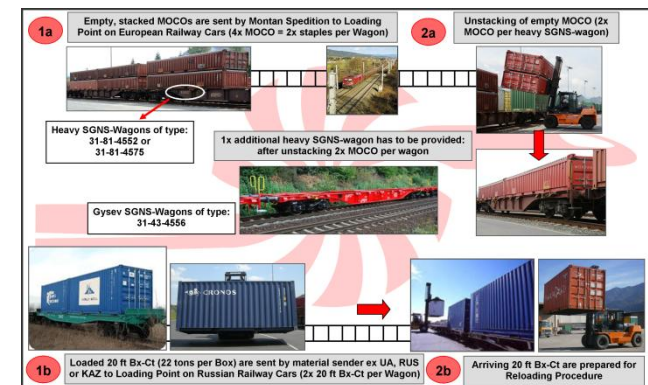




Reloading from 20 ft Bx-Ct - MOCO [3]

Concept

- **1a:** Empty, stacked MOCOs are sent by Montan Spedition to Loading Point (e.g. border station between UA/SK/H – Chop/Cierna nad Tisou/Zahony) on European Railway Cars (always in pairs = 4x MOCO = 2x stacked pairs on 1x wagon) of type: SGNS-Wagon **31-81-4552** or **31-80-4575**
- **1b:** Bulky Raw Materials are loaded into 20 ft Bx-Ct (22 tons per Box) and sent by material sender ex UA, RUS or KAZ with Ukrainian Railway Corporation to Loading Point on Russian Railway Cars (2x 20 ft Bx-Ct per Wagon): min. 3x wagons = 6x 20 ft Bx-Ct are sent with one lot
- **2a:** Arriving empty MOCOs are unstacked and lifted as single units to provided Gysev SGNS-Wagon (2x MOCO per Wagon)
 Note: Per reloading procedure 1x additional heavy SGNS-wagon of type **31-43-4556** has to be provided by loading location:
 Arrival with 4x empty MOCO per wagon, after unstacking 2x loaded MOCO per wagon
- **2b:** Arriving 20 ft Bx-Ct are prepared for reloading procedure and lifted from Railway Car





Reloading from 20 ft Bx-Ct - MOCO [4]

Concept

- **3:** Reloading of bulky/loose Raw Materials with front loader: Goods from 3x 20 ft Bx-Ct (ca. 66 tons) are loaded into 2x MOCO
Min. Lot-Size per reloading procedure: 6x 20 ft Bx-Ct = 4x MOCO, thus Lot-Sizes are always multiples of 6 or 4 (= 12x 20 ft Bx-Ct and 8x MOCO, 18 and 12, 24 and 16,)

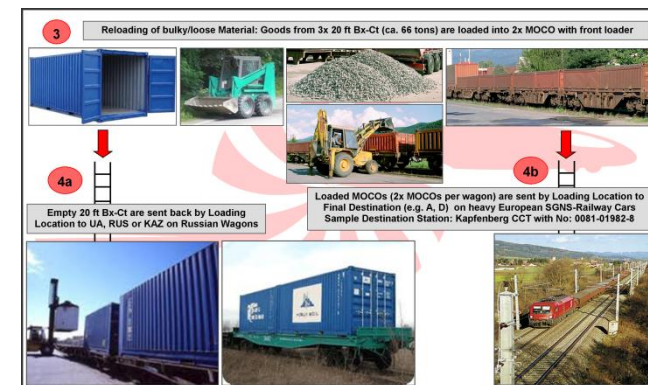
Note: For every 4th MOCO 1x additional heavy SGNS-Wagon has to be provided (for 4x MOCO = 1x new wagon, 8x MOCO = 2x new wagon, 12 MOCO = 3x wagon, 16 MOCO = 4x wagon,)

- **4a:** Empty 20 ft Bx-Ct are returned to Ukrainian Railway Corporation on Russian Wagons (3x or 2x empty Bx-Ct per wagon)

- **4b:** Loaded MOCOs (2x MOCOs per wagon) are sent by Loading Location to Final Destination (e.g. Austria or Germany) on heavy European SGNS-Railway Cars

Type: **31-81-4552**, **31-80-4575** or **31-43-4556**

Sample Destination Station: **Kapfenberg CCT** with Station No: **0081-01982-8**

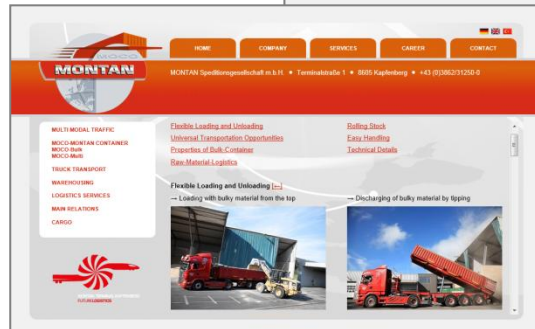
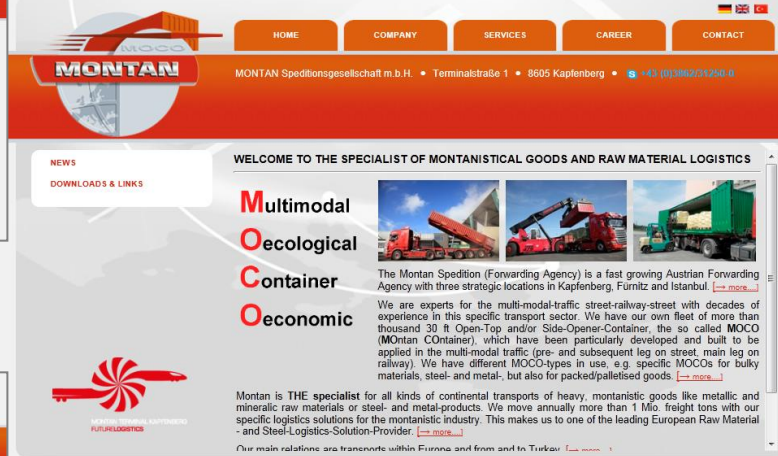
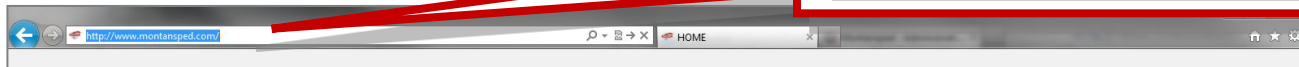




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