



Kraimpoitz
TANKSYSTEM GMBH

Battery tank farms

fuel supply and temporary storage



Fields of application



power station



generator



Minotaur® storage tank containers are robust, highly-safe, volume-optimised, fast mountable container systems with international technical approvals.

They are used in all areas of professional fuel distribution.

- mineral oil distribution
- armed forces
- mining
- construction industry
- aid organizations
- logistics and forwarding agencies

The container itself is the cubic tank. It is possible to integrate equipment-niches for components. The storage tank container is designed for an outside installation.

From this results a robust, highly-safe, ultra-modern system unit.



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construction industry



aid organizations



mineral oil distribution

Tasks



generator



combined heat and power unit (CHP)



emergency generator





The Minotaur® storage tank containers are used for storage of liquids hazardous to water, like:

- fuel oil,
- diesel,
- gasoline,
- kerosene,
- ethyl alcohol,
- mineral oil,
- vegetable oil,
- process water.

Minotaur® tank containers are a cubic, double-walled construction made of steel, integrated in an ISO-container frame.

The Minotaur® storage tank containers are manufactured according to the general construction-supervision approvals (by DIBt):

- as storage tank for liquids hazardous to water, flammable liquids - Z-38.12-23
- as storage tank for liquids not hazardous to water - Z-38.11-143

robust - functional
Ultra-modern system unit
finest German quality

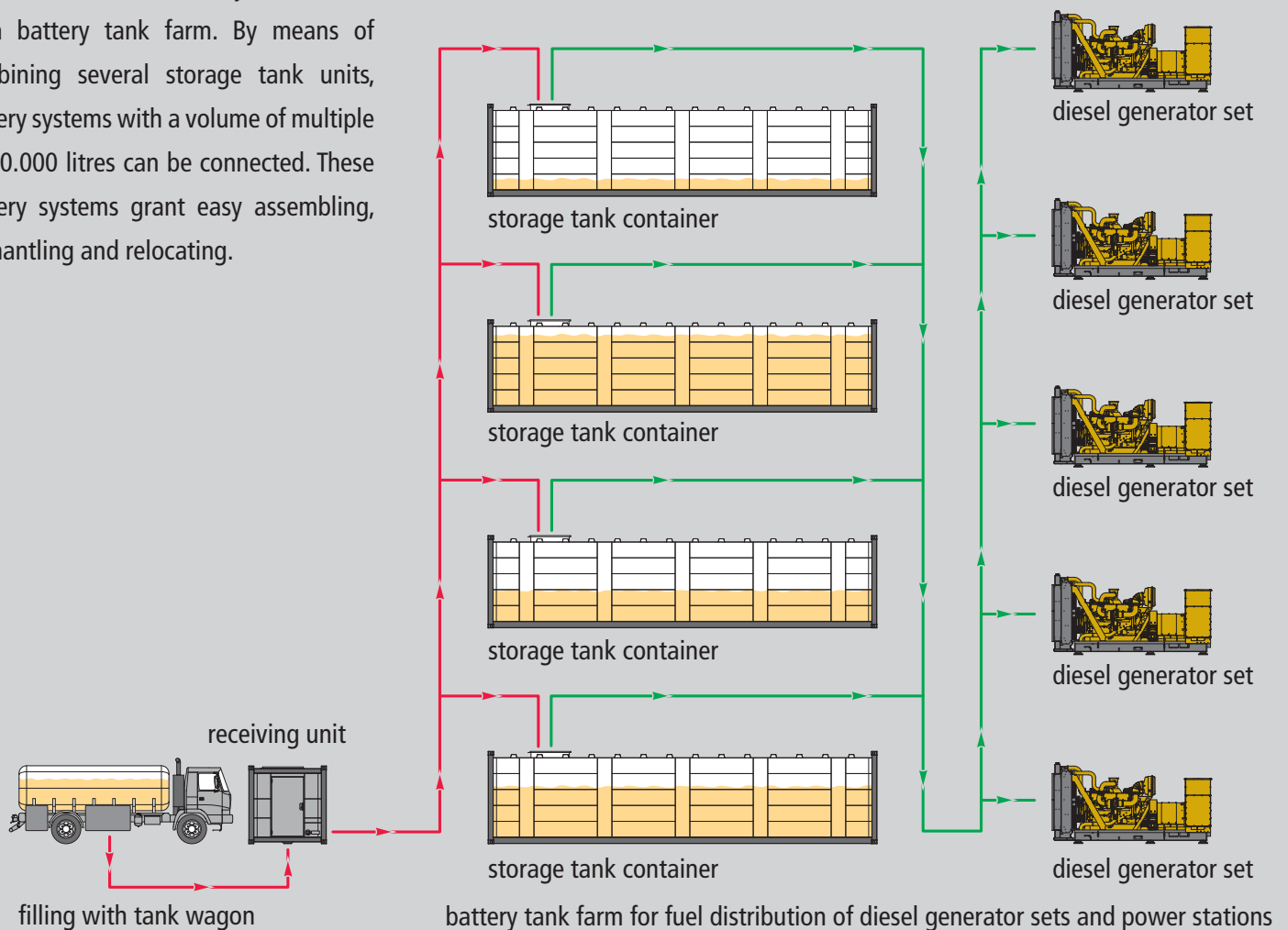
transport logistics



Example of use

fuel supply tank farm

The Minotaur® tank farms used for fuel storage are highly-safe because of the double-walled construction of the storage tank units. The storage tank containers are suitable for fast and easy installations of a battery tank farm. By means of combining several storage tank units, battery systems with a volume of multiple 1.000.000 litres can be connected. These battery systems grant easy assembling, dismantling and relocating.



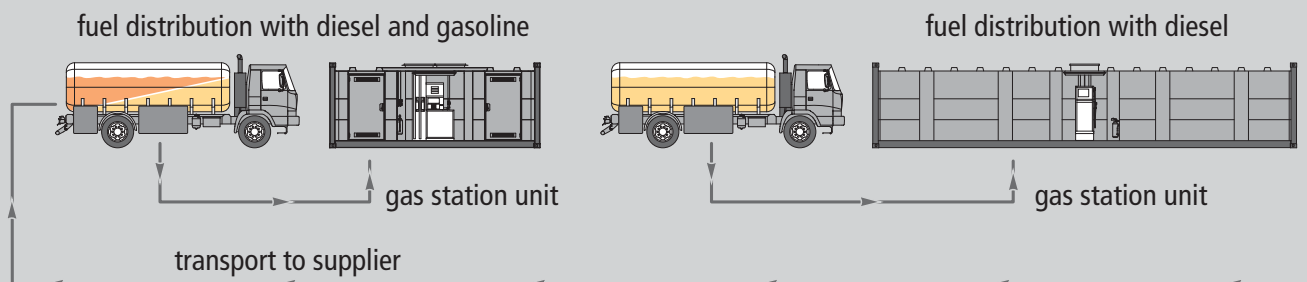
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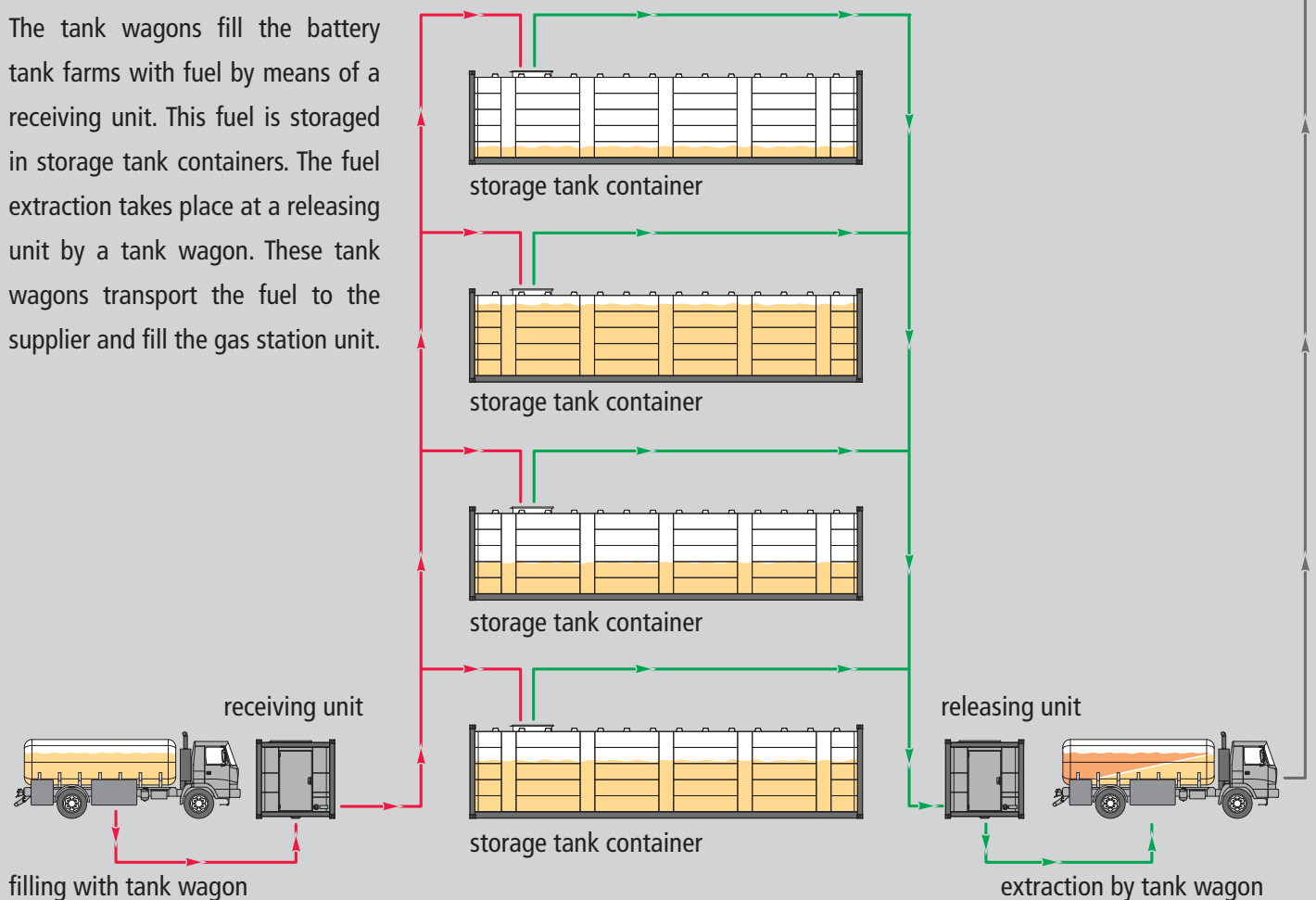
power station

Example of use

fuel logistics tank farms



The tank wagons fill the battery tank farms with fuel by means of a receiving unit. This fuel is stored in storage tank containers. The fuel extraction takes place at a releasing unit by a tank wagon. These tank wagons transport the fuel to the supplier and fill the gas station unit.



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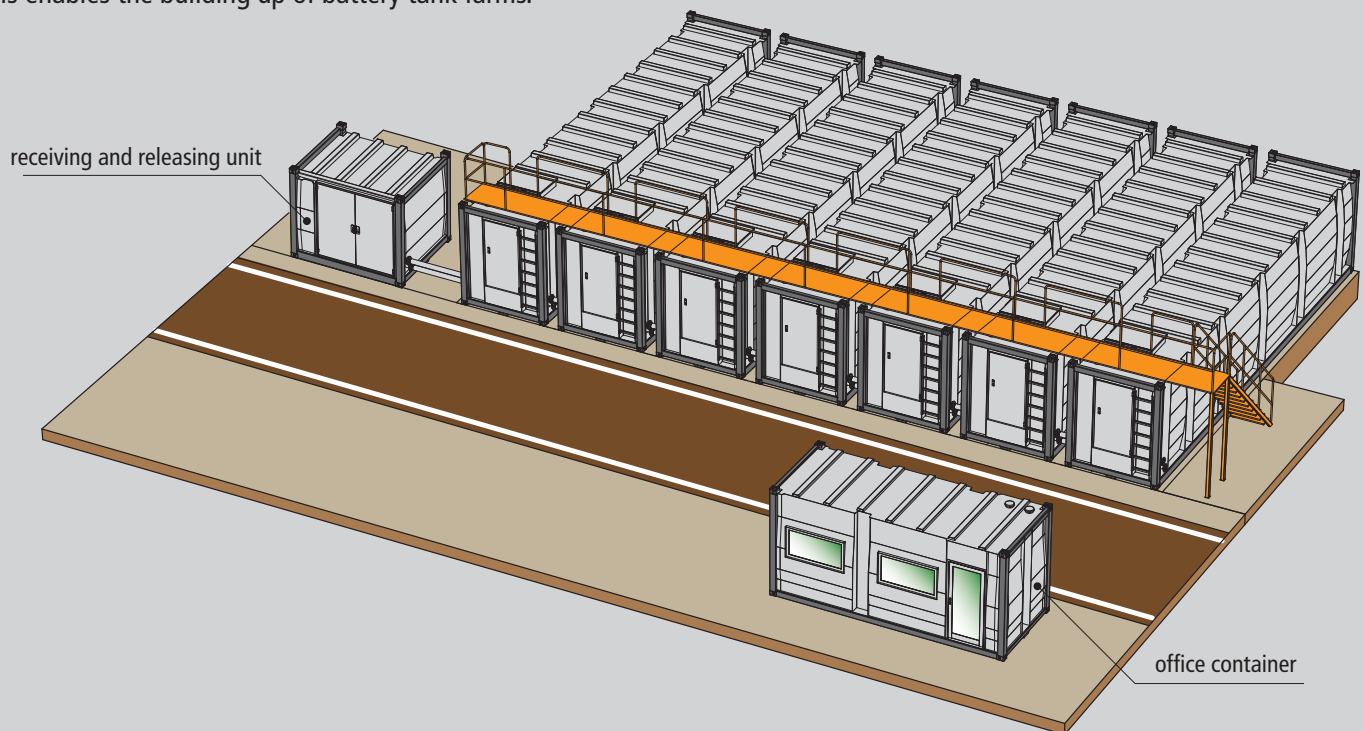


terminal: harbour / transport logistics



Depiction battery tank farm

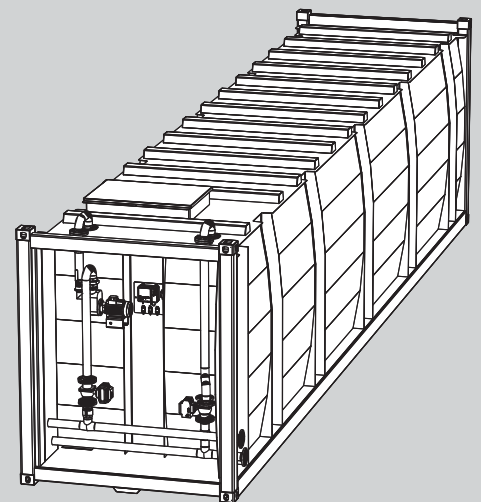
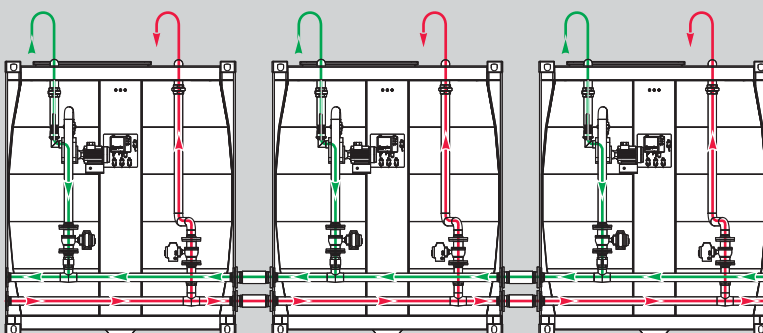
The storage tank containers can be connected with each other.
This enables the building up of battery tank farms.



The battery tank farm is used for temporary storage of fuels and is filled at the receiving and releasing unit with the help of a tank wagon. By means of the central remote unit, the fuel is automatically conducted to the particular storage tank container. The central remote unit is built in an air-conditioned office container.

The extraction is carried out from the particular storage tank container by means of a tank wagon at the receiving and releasing unit and is regulated by the central remote unit. After filling by the tank wagon, the fuel is transported to the supplier.

Connection diagram battery tank farm

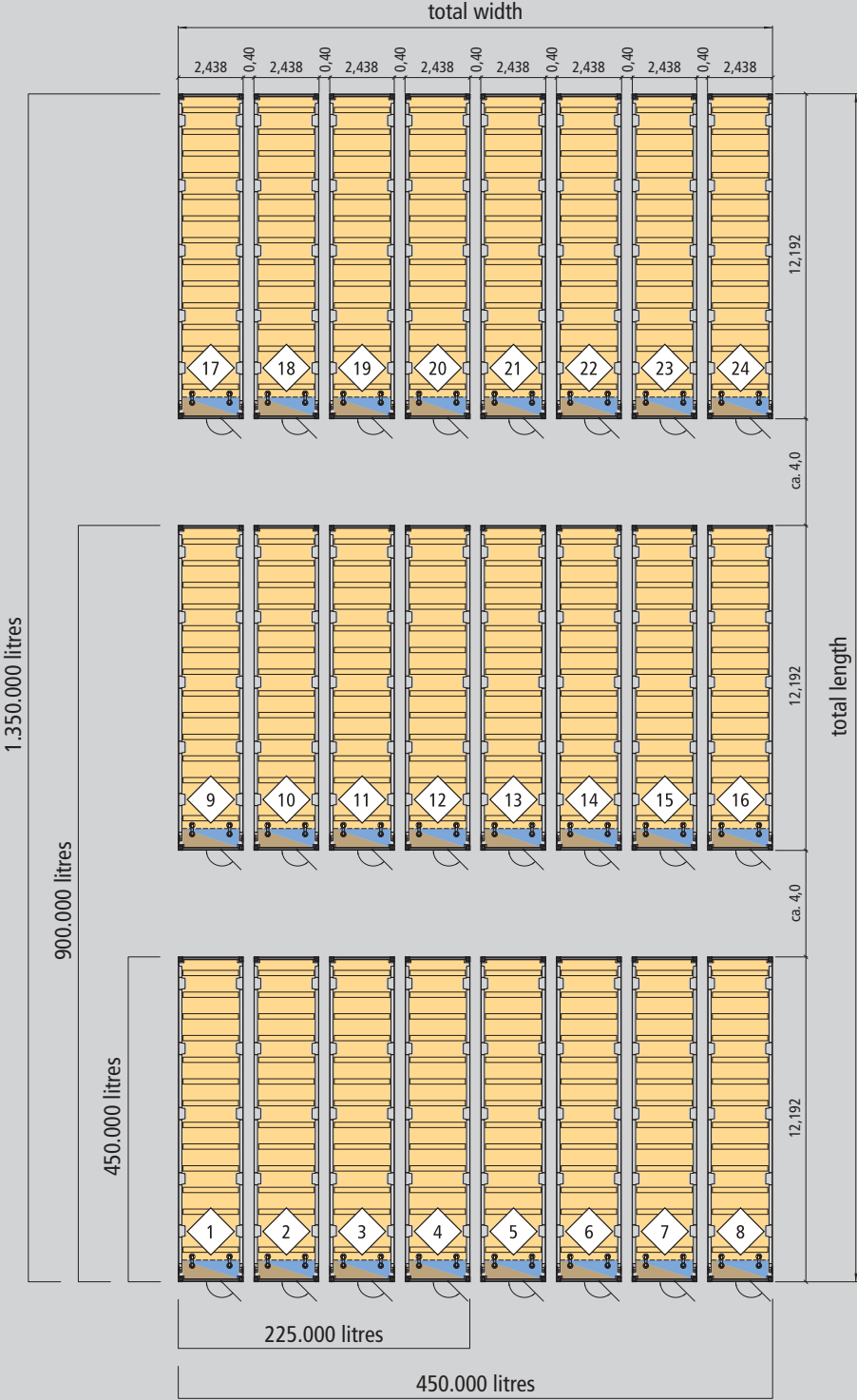


The storage tank containers are connected by pipe-compensators and form a battery tank farm. The storage tank container includes as standard an engine room, which is equipped with a filling and extraction system as well as a delivery pump.

The motorised ball valves which are controlled by the central remote unit, decide which storage tank container is filled or respectively tapped.

Technical changes reserved!

Required space tank farm



KCD-ST-V4-40-HC	volume	total length	total width
quantity	litres	meter	meter
4 x	225.000	approx. 12,2	approx. 10,9
8 x	450.000	approx. 12,2	approx. 22,3
16 x	900.000	approx. 28,4	approx. 22,3
24 x	1.350.000	approx. 44,6	approx. 22,3

Technical changes reserved!



Technical data

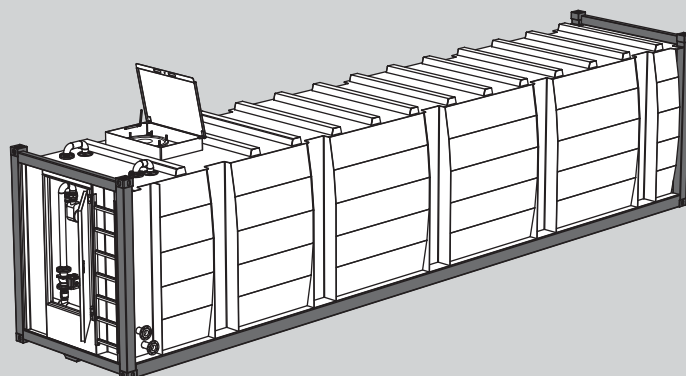
storage tank container as a unit of a battery tank farm

This type series serves as a module for fuel supplies in battery tank farms and:

- needs for operating a connection to a power supply system,
- is designed for temperatures ranging from -5°C to +50°C,
- includes as standard an engine room front side.

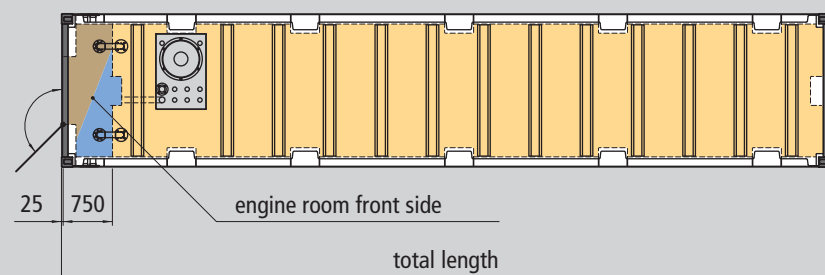
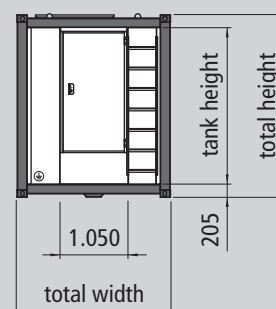
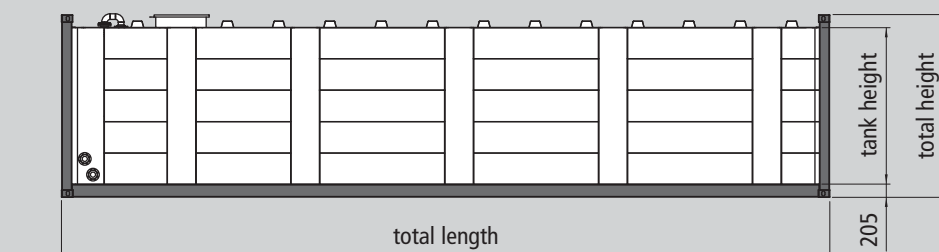
Substantial integrated components:

- filling system (without transfer pump) for external filling,
- extraction system with delivery pump for extraction from tank,
- connecting flange placed sideways, outside of the container for fast and easy connection to battery farm tank,
- electronic level-indicator,
- level-sensor as protecting against dry running,
- vacuum leak monitor with design approval,
- filling system (without transfer pump) for filling from tank wagon,
- overflow protection with design approval,
- terminal box for electrical connection,
- single-leaf multipurpose door.



Please note:

Standard equipment can be found in the corresponding data sheet!



Legend:

- load carrying system - certified transport frame
- robust, cubic, double-walled body
- engine room front side
- chamber of tank - diesel

tank type	volume 100 %	volume 95 %	total length	total width	total height	tank height	weight (empty)
art.-no.	litres	litres	mm	mm	mm	mm	kg (approx.)
KCD-ST-V4-40	49.600	47.200	12.192	2.438	2.438	2.000	9.200
KCD-ST-V4-40-HC	60.000	57.200	12.192	2.438	2.896	2.500	11.400

Please note: Transportation only in empty and clean condition!

Technical changes reserved!

Technical data

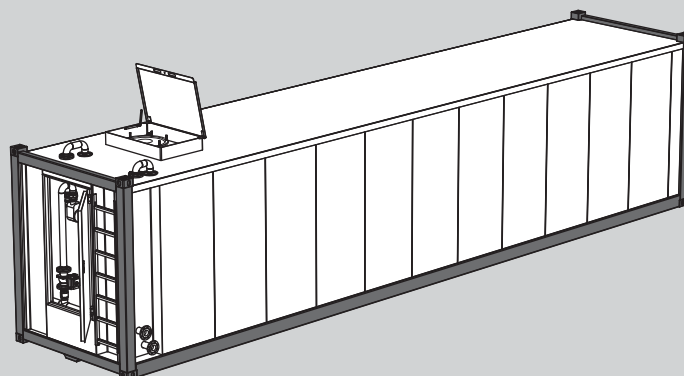
storage tank container thermo-insulated as a unit of a battery tank farm

This type series serves as a module for fuel supplies in battery tank farms and:

- needs for operating a connection to a power supply system
- is designed for temperatures ranging from -5°C to +50°C
- includes high-quality thermal insulation
- against condensation and danger of frost, electrical tank heater or heating register for fluid heater,
- includes as standard an engine room front side.

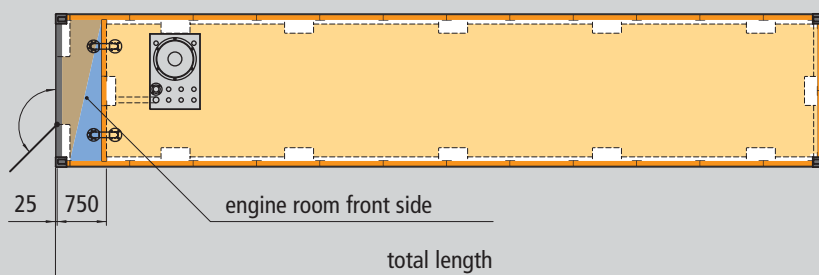
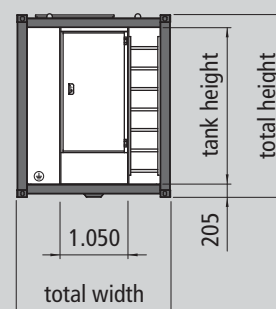
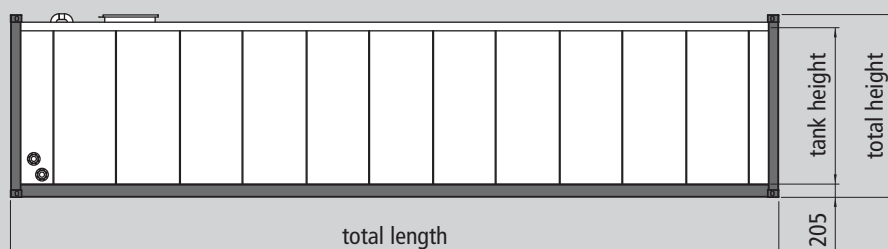
Substantial integrated components:

- filling system (without transfer pump) for external filling,
- extraction system with delivery pump for extraction from tank,
- connecting flange placed sideways, outside of the container for fast and easy connection to battery farm tanks,
- electronic level-indicator,
- level-sensor as protecting against dry running,
- vacuum leak monitor with design approval,
- filling system (without transfer pump) for filling from tank wagon,
- overfill protection with design approval,
- terminal box for electrical connection,
- single-leaf multipurpose door.



Please note:

Standard equipment can be found in the corresponding data sheet!



Legend:

- load carrying system - certified transport frame
- robust, cubic, double-wall body
- engine room front side
- chamber of tank - diesel
- high-class thermal insulation

tank type	volume 100 %	volume 95 %	total length	total width	total height	tank height	weight (empty)
art.-no.	litres	litres	mm	mm	mm	mm	kg (approx.)
KCD-ST-V4-TI-40	45.600	43.400	12.192	2.438	2.438	2.000	9.600
KCD-ST-V4-TI-40-HC	54.800	52.200	12.192	2.438	2.896	2.500	12.200

Please note: Transportation only in empty and clean condition!

Technical changes reserved!

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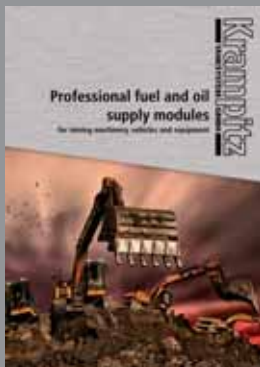
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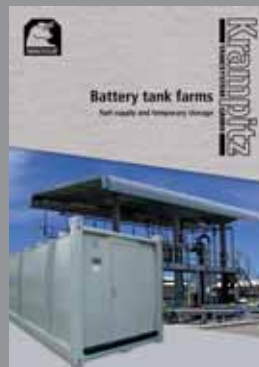
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Professional fuel and oil supply modules



Storage tank containers



Battery tank farms



Mining gas station containers



Airfield gas station



Office container



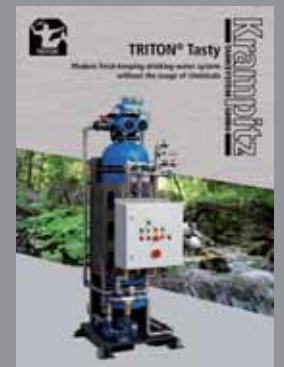
Mobile service module for on-site employment in mining



Mobile maintenance module for on-site employment in mining



KRP-5000 - Automatic fuel cleaning and treatment station for tank systems



TRITON® Tasty fresh-keeping drinking-water system

About the information in this brochure:

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