

## || MEGA-INLINER

### *the challenge*

Mega-Inliner® System provides safety on multiple levels.

#### 1. Labour level.

A safe working environment as the utility access hole is located at the bottom of the tank container. This will allow filling and inserting the Mega-Inliner® to be done from the ground and eliminates the need to work on top of the tank container. This provides a safer working environment.

#### 2. Product level.

Ensuring that no product residues will be left behind in the tank container after the transport of a product, because the entire Mega-Inliner is closed and will be removed after use, no residues of product will be left behind. The tank container is always equally clean. As a result, the danger of cross-contamination or oxidation of the liquid will no longer occur, e.g. No rejection of load no waste no loss.

#### 3. Environmental level.

Eliminating the use of nitrogen, CO2 and mixed gasses during the loading process with certain products. We use only compressed air. No cleaning, rinsing and use of drinking water needed. Unlimited matching of flows without prior cargo restrictions in doing so reducing CFP on multiple levels.

#### 4. Process level.

Due to the fact the Mega-Inliner® is single use, fraudulent behaviour can not happen related to prior cargo restrictions and cleaning procedures. It is always a virgin tank container.

### *the innovation*

Our total system stands out by its simplicity, yet it has an unprecedented impact on the way in which non-hazardous liquids are being transported.

The foundation is a bag made of multi-layer of high-grade recyclable plastic, the Mega-Inliner®. Once it is placed in an empty complimentary tank container build to our specifications, it can be filled with any conceivable (non-hazardous) liquid. Oxygen can not enter, and gasses can not escape the liquid due to the high barrier EVOH layer. The liquid arrives in top condition and the tank container stays clean, with no wear and tear, therefore the PLC of our tank containers is perpetual. Additionally, barely any liquid remains in the Mega-Inliner® once the bag has been emptied by applying compressed air between the tank wall and the Mega-Inliner®. We squeeze the liquid out of the bag without pumping again no touching the product, no contamination possible. Installing a Mega-Inliner® only takes five minutes, and removing it, takes fifteen minutes. From now on, any tank container in stock which is fitted with a Mega-Inliner® is ready for your immediate use without any prior cargo restrictions, making your transport more sustainable and cost efficient because no empty kilometres needed by matching non-hazardous flows unlimited.



### *how it was implemented*

The Mega-Inliner® can be used in an easy way. The Mega-Inliner® is placed horizontally in the tank container, ensuring that the spout is located in the utility access hole. These actions take five minutes. Once this is properly attached, the hose with the non-hazardous liquid can be attached to the tank container. The Mega-Inliner® will deploy itself with the liquid in the tank. When the non-hazardous liquid is in the Mega-Inliner® and the tank container is fully loaded, the hose can be disconnected and transport can begin.

Removing the Mega-Inliner® is done in fifteen minutes. When the non-hazardous liquid is pushed/squeezed out of the tank container with compressed air, the Mega-Inliner®. To remove the Mega-Inliner® from the tank container, a strap is attached to the Mega-Inliner® so that it can be easily removed/pulled out by one person. Once removed, the Mega-Inliner® can be recycled, the tank container is clean and immediately ready for the next load.

### *result*

The result/benefits of using the Mega-Inliner® System are:

- No cleaning or rinsing of the Tank Container
- No empty kilometres or depot downtime
- No previous cargo restrictions
- No cross-contamination or oxidation
- One-man operation
- lowest turnaround time
- Connect inbound <> outbound
- Recyclable only two waste streams
- Aseptic bulk loading possible
- Suitable as storage on wheels

By using the Mega-Inliner® System for transporting your non-hazardous liquids your Co2 emission will be reduced by a minimum of 30%. Due to our Mega-Inliner® which is 100% recyclable, cleaning becomes obsolete. Our system makes it possible to connect Inbound and Outbound logistics by simply removing the Mega-Inliner® after each load, this results in no empty kilometres to and from cleaning stations, wastage of valuable (drinking) water belongs to the past (saving ± 2.500 litres per cleaning), besides that the lifetime of our tank containers becomes infinite due to no wear and tear during the cleaning process.

We are competitive with all current supply chain packaging solutions. From transporting ready to drink in bottles, drums, IBC's, Flexitank to conventional tank containers. The impact of using our system is huge but converting the supply chain takes time. Switching from shipping cased goods (bottles, cans, kegs) to ship bulk globally, pack locally takes more time then converting conventional tank container or Flexitank to Mega-Inliner which is easier and gives you the benefits immediately.

By using the Mega-Inliner® System it is possible to go directly to the next load without the need of cleaning between each load. Therefore, costs such as driver wages, cleaning costs, and time are being saved.

### *conclusion*

Mega-Inliner provides world's most sustainable, cost-efficient, and innovative logistical bulk solution for non-hazardous liquids. Our ambition is to convert the global shipping of non-hazardous liquids to our system, in doing so becoming the "Uber" or "Tesla" within the logistical world.

With over more than 100 years of experience in the tank beer industry, logistics and quality assurance Mega-Inliner is your partner in transporting your non-hazardous liquid. Connecting the worlds sustainable enables us to transform the tank container industry into a durable sector. Ship bulk globally, pack locally your non-hazardous liquid with Mega-Inliner, conquer the world and leave the planet in a better shape for the next generations.

Further information can be found at <https://www.mega-inliner.com/>