

PROJECT

## Mega-Inliner

### High tech Inliner for ISO tank containers

**Funding:** European (Horizon 2020)

**Duration:** Jan 2018 - Apr 2018

**Status:** Complete

**Total project cost:** €71,429

**EU contribution:** €50,000



[CORDIS RCN : 213648](#)

#### Objectives:

The global tank container fleet has grown almost 50% from 2013, reaching 508,000 units by the end of 2016 since bulk shipping was made possible, which is much more efficient compared to traditional transport methods. Thus, ISO tank containers have developed for intermodal carriage of bulk liquids ranging from non-hazardous to hazardous liquids, eliminating the risk of spillages through transferring liquids from one vessel to another providing an extremely safe, secure, and versatile mode of transportation.

Nevertheless, nowadays the intensive use of ISO tank containers is constrained by the need of cleaning after each use to be ready for its next load. This task coupled with the insufficient number of cleaning stations entails higher direct costs (€250-1200/cleaning) but also indirect ones since the containers are stocked several days limiting their availability. These lead towards logistic inefficiencies, such as empty return journeys due to prior cargo constraints. Moreover, the lifetime of ISO tank containers, is highly dependent on the cargo being shipped and frequency of cleaning.

On the other hand, flexi-tanks, an alternative solution, poses serious concerns regarding the possibility of spillages, unused space and their installation is expensive.

Mega-Inliner® aims to revolutionize the bulk liquid transportation industry by introducing the first one-use high-tech Inliner for ISO tank containers designed for intermodal transport. Removing the need for cleaning the tank after discharge, it eliminates all the concerns associated with the use of ISO tank containers. Thus, a huge optimization of logistics is realized allowing for transport costs reductions of 20-75% depending on type of current packaging used, liquid cargo and volume transported.

Having set brewery sector as our initial target market, we are currently running operational test of our prototype with water and beer cargos in ISO tank containers which has demonstrated our technology in a relevant environment.

#### Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

**Institute type:** Public institution

**Institute name:** European Commission

**Funding type:** Public (EU)

#### Lead Organisation:

##### Mega-Inliner Bv

**Address:**

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**EU Contribution:** €50,000

## Technologies:

Freight transport technologies  
Collaborative logistics ecosystem

**Development phase:** Research/Invention

Vehicle design and manufacturing, Other

**STRIA Roadmaps:** specified

**Transport mode:** Multimodal transport

**Transport sectors:** Freight transport

**Transport policies:** Societal/Economic issues

**Geo-spatial type:** Other