

PROJECT

## LoadSEC

### Helping Europe's infrastructure to draw up with Europe's increasing economic performance! Sustainable and easy load securing!

**Funding:** European (Horizon 2020)

**Duration:** Feb 2016 - Jan 2018

**Status:** Complete

**Total project cost:** €1,795,000

**EU contribution:** €1,256,500



**Call for proposal:** H2020-SMEINST-2-2015

[CORDIS RCN : 199517](#)

#### Background & policy context:

Several tens of thousands accidents, millions loss due to damaged freight and damaged lorries, and billions of EUR economic loss by traffic congestion resulting from those accidents – a sad and alarming record mainly caused by insufficiently secured freight transportation on Europe's roads. Therefore the European Commission has passed different norms for load securing – EN 12195-1 to -4 and EN 12640. However, truckers face the problem that there are no adequate means for implementing those norms. Although freight is lashed down by tension belts, it minimally moves during transportation, due to the non-anti-slippery surface of the load bed. This minimal moves lead to the effect that lashing down is during transportation loosened by constant jiggling resulting in insufficiently secured load.

#### Objectives:

Therefore KCN GmbH has developed a novel anti-slippery floor (ASF) for load beds of lorries and trailers. This ASF is by its coating indestructible and by its adhesion and profitability superior to all other ways of load securing.

Project output is the ability to produce the current ASF panel prototypes (TRL 7) in a way meeting the identified market requirements, i.e. in homogenous quality at acceptable price to required quantity, by a process innovation.

This is to successfully enter key user market of lorries and trailers. Europe's corresponding high-volume market is valued at EUR 126 bn. for this field of operation, continuously growing.

The loadSEC-project is integral part of KCN's strategy of developing and producing permanently new solutions for different coating applications to make world safer and more efficient.

#### 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:

**Kcn Gmbh Kunststoff Coating Network**

**Address:**

ZELLER STRASSE 20  
73271 HOLZMADEN  
Germany

**EU Contribution:** €1,256,500

**Technologies:**

Freight transport technologies  
Adaptable loading units for trucks

**Development phase:** Demonstration/prototyping/Pilot Production

**STRIA Roadmaps:** Vehicle design and manufacturing

**Transport mode:** Road transport

**Transport sectors:** Freight transport

**Transport policies:** Societal/Economic issues

**Geo-spatial type:** Other