

ChemMultimodal

Promotion of Multimodal Transport in Chemical Logistics



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Circular Plastics & Chemical Economy

The good practice company X is operating in the field of waste logistics as a partner for the public authority. Within the topic of circular economy, significant material streams of plastics, chemicals and other goods are collected, sorted and transferred to recyclers for further processing.

At the moment it is a 100% truck business with short distances within Upper Austria to collect the waste types from the local collecting centre to the central logistic terminal and short to medium distances where the chemicals or plastic materials are treated or converted to new recycling materials. The geographical location of the company is embedded in a well-established logistics infrastructure although company X has no direct rail access on its site. As sustainable operations are a strategic factor for the company, current recycling operations are carried out within nearby partners and short distances. These circumstances lead to road transport as multimodal operations are not suitable on short relations within Upper Austria. Nevertheless, three destinations in Italy, Belgium and Germany were mentioned as potential routes to realise modal shift based on active recycling operations. Further analyses will be done within the final pilot phase.

ChemMultimodal saved 8,448 tons of CO₂

Short before the conclusion of the ChemMultimodal project's pilot phase the partnership met on 12 & 13 September 2018 in Linz (AT) to assess the preliminary results: 59 businesses have participated in the pilot phase.



Together with the project partners, 45 transport routes have been identified where a potential of multimodal transport is possible using rail and short-sea transport while goods on those routes used to be transported only by road. By the end of August an effective reorganisation of transports using multimodal opportunities was achieved for seven of the investigated routes. On seven

further roads, test shipments were carried out with results still being assessed by the company decision-makers. Estimating the CO₂ reduction resulting from the durable shifts towards multimodal transport and from test-runs carried out, ChemMultimodal partners already achieved a reduction of CO₂ emissions borne by the transport of chemical goods amounting to 8,448 tons.

The price determines the market

External factors play a significant role as the crude oil price has an impact of the transport costs, especially for the trucks. As this price is rather low, the decision is consequently in favour of truck transport.

During the pilot phase all participating companies in the project

received a training for the toolbox. Especially the intermodal link planner helped the chemical companies to get a first overview of possibilities to shift transport volumes on specific routes. Foremost, the task of creating a match-making between supply (LSP) and demand (chemical company) was targeted in combination with CO₂ and road transport reduction.