# HOW TO GET LESS TRUCKS ON THE ROAD? 

Efficient Logistics through The Physiral Internet


WHY? The current state-of-the-art of logistics is not sustainable

Annual greenhouse gas emissions of the logistics sector (transporting and storing of goods) need to be reduced by a factor 3 to keep the increase in average global temperature well below $2^{\circ} \mathrm{C}$ by 2100 . Nonetheless, the total transport emissions are expected to increase without counteractions.

## HOW? The Physical Internet SUSTANALE

Organize transport similar to e-mail traffic: break up the freight in modular packages and ship them using the shared infrastructure of companies: shared transport, shared warehousing, etc. As such, the Physical Internet Initiative supports SDG 9 to invest in infrastructure and innovation to foster growth of new industries and information and communication technologies.


Congestion in the EU costs $1 \%$ of EU's annual GDP. Meanwhile, insufficient infrastructure in developing countries results in major congested cities across the globe.

In Europe, $50 \%$ of the trucks is filled with air. The total annual cost of these logistics inefficiencies is estimated to amount up to approximately $€ 160$ billion.

