



**TOWARDS
CARBON-
NEUTRAL
LOGISTICS**

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MEDIA DAY

[November 25, 2021]



"TOWARDS A 100%-SUSTAINABLE TIRE",
AT EVERY STAGE IN ITS LIFECYCLE



MEDIA DAY

[November 25, 2021]



TOWARDS CARBON-NEUTRAL LOGISTICS

> GOAL FOR 2030: 15% LESS NET CO₂ EMISSIONS BY 2030 VS. 2018 I.E., 27% REDUCTION PER METRIC TON SOLD

70 FACTORIES AND
150 WAREHOUSES

3.5 MILLION M²
OF STORAGE SPACE

EUR 2 BILLION
IN LOGISTICS COSTS

50,000 DELIVERY
POINTS

OVER 3,000
PROFESSIONALS
AND **20,000** SUB-
CONTRACTORS

1.3 MILLION
METRIC TONS
OF CO₂

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LEVER #1: TRANSPORT LESS

GLOBAL VIEW OF MAJOR FLOWS



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LEVER #2: TRANSPORT BETTER

OPTIMIZATION OF EXISTING MEANS OF TRANSPORT

(trucks and containers filled better)

USE OF INNOVATIVE MULTIMODAL SOLUTIONS

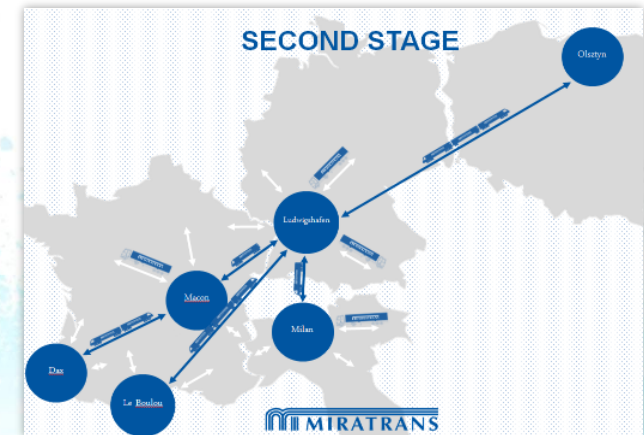
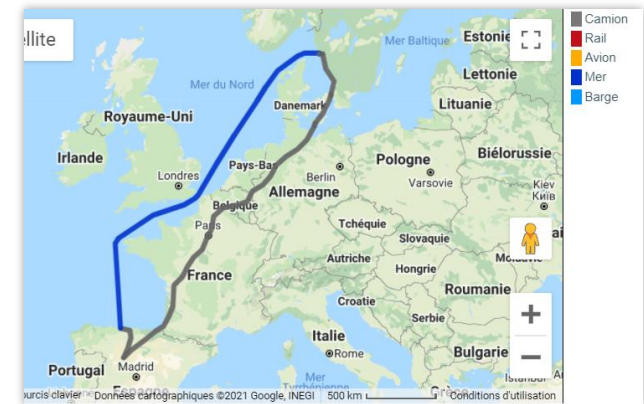
WORK ON PROJECTS WITH AN UNFAVORABLE STOCK/COST BALANCE TO THE BENEFIT OF CO₂

CO₂: from 3.3 metric tons to 1.01 metric tons of CO₂ –
(saving 500 metric tons per year)

LEAD TIME: change from 4 to 7 days in transit

STOCK COST: EUR 142k deployment + EUR 16k per year

LOG COST: EUR 30k less per year



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LEVER #3: TRANSPORT DIFFERENTLY

> AIM OF ZERO CO₂ EMISSIONS BY 2050



A Michelin test initiative with **NEOLINE** to launch carbon-neutral transatlantic deliveries.



The “**WISAMO**” project, an innovative solution to help make shipping carbon neutral.



Zero Emission Valley, a participation by Michelin in deploying hydrogen mobility on a regional scale (Auvergne-Rhône-Alpes)

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