

OPEN INNOVATION WITHIN THE EU FRAMEWORK: INNOVATION ACTION AEROSOLFD



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INTRODUCTION



WHAT IS AEROSOLFD?

Fast track
to cleaner, healthier urban Aerosols
by
market ready Solutions
for

- tailpipe,
- brake systems
- and (semi-)closed environments

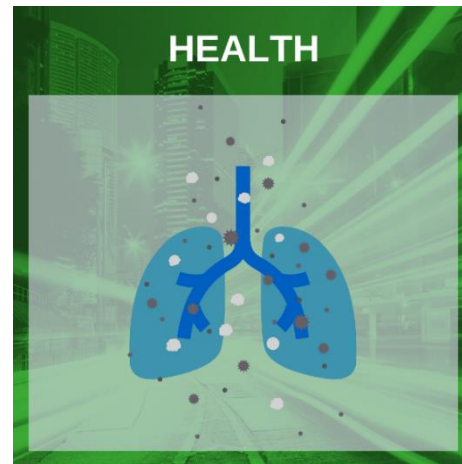
of retrofit

Filtration Developments



WHY

- Traffic is a significant contributor to air pollution
- Harmful effects of traffic-related ultrafine particles on:



- Aim/Proposal: **reducing** traffic-related emissions

OPPORTUNITY (SUMMER 2021): HORIZON EUROPE INNOVATION ACTION

HORIZON-CL5-2021-D5-01-15
Development and demonstration
of cost affordable and adaptable
retrofit solutions for tailpipe and brake
polluting emissions

IDEA: BRAKE DUST PARTICLE FILTER

Solution for passenger cars
already at TRL6

Bus and commercial vehicles with similar
brake systems

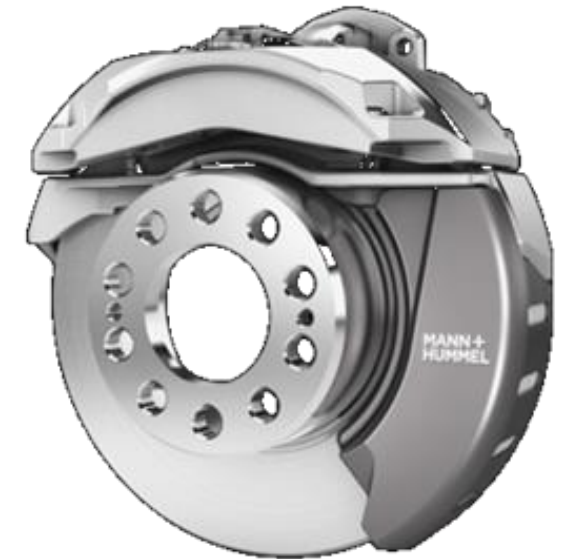
→ Transfer of existing concept

Train/metro brake system different

→ Other solution preferred

→ Retrofit of Stationary Filters @stations

*Transfer of well-tested solution of Brake Dust Particle Filter
from passenger car to bus/commercial vehicles*



IDEA: TRAIN/METRO - AIR FILTER

- Transfer of Filtration Solutions – Indoor Air Purifiers for Metro Stations



OBJECTIVE: CLEANER URBAN AIR

- AeroSolfd Retrofit Solutions:

Reducing tailpipe emissions



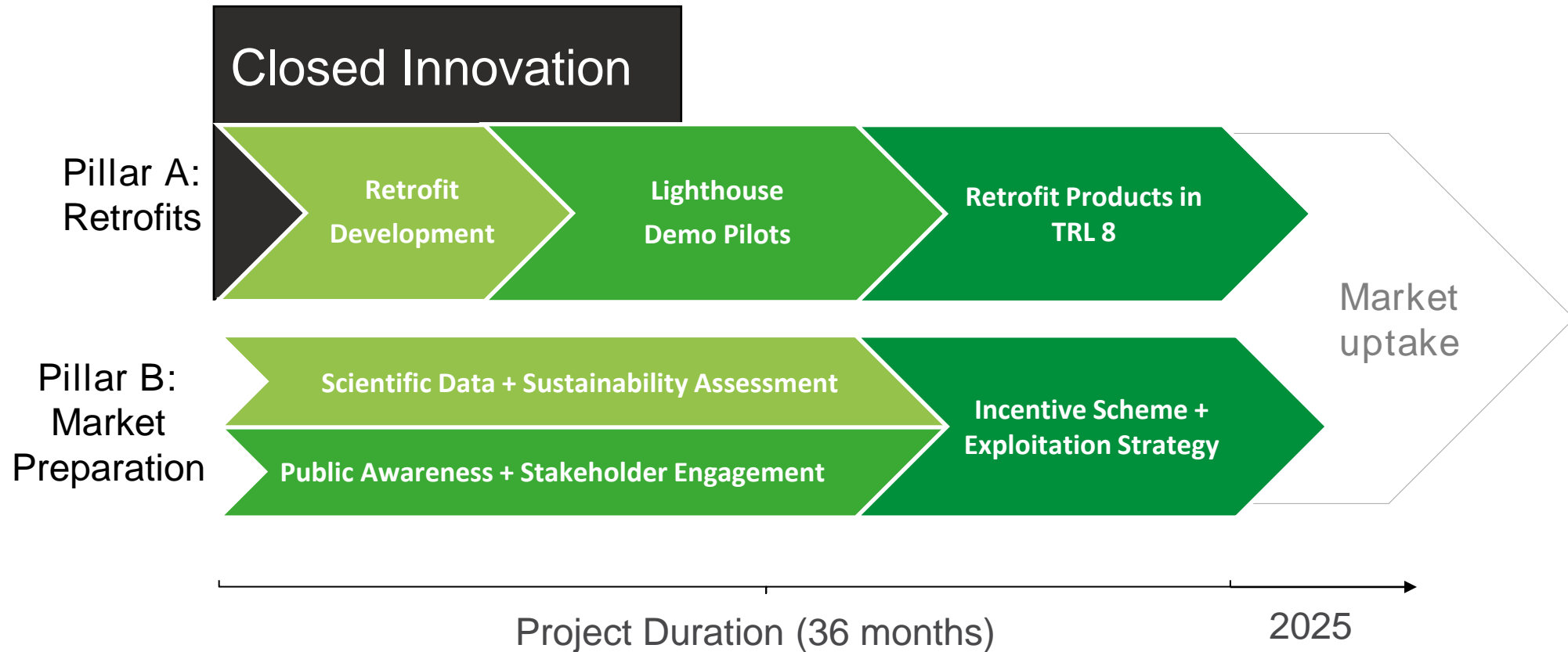
Reducing brake emissions



Reducing pollution in (semi-)closed environments



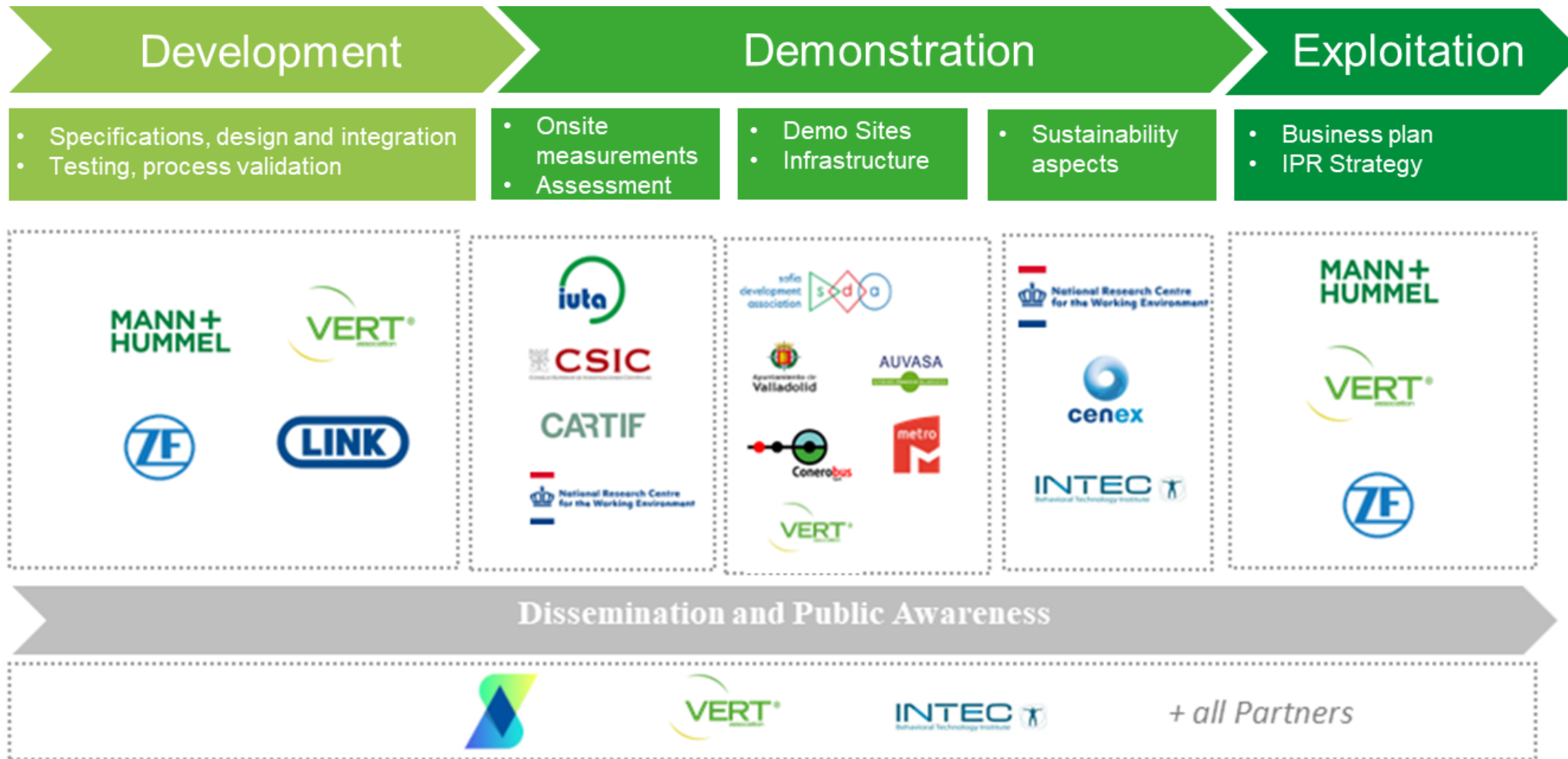
HOW: OPEN INNOVATION ...



... FAST TRACT TO CLEANER URBAN AIR



WHAT: OUR APPROACH & TEAM



EU CO-FUNDED INNOVATION ACTION

- **Grant agreement ID:** 101056661
- **Topic:** HORIZON-CL5-2021-D5-01-15 - Development and demonstration of cost affordable and adaptable retrofit solutions for tailpipe and brake polluting emissions
- **Timing:** 2022/05 – 2025/04 (36 months)
- **EU contribution:** € 5.00 million
- **Total cost:** € 8.22 million
- **Coordinator:** MANN+HUMMEL



OPEN INNOVATION WITHIN THE EU FRAMEWORK: INNOVATION ACTION AEROSOLFD TAKE AWAY

OUR CONSORTIUM

- 16 Partners
 - 8 Countries
 - About a dozen demo sites



ADVANTAGE – HORIZON EUROPE

- **Common goal:** fulfill requirements of call text set by EU
- **Common framework:**
 - EU Grant Agreement, DESCAs Consortium Agreement
 - Horizon Europe reporting (Deliverables, Administration, ...)
- **Opens doors for collaborating:** Start with your network, think Europe!
- **Best practice:**
 - Open and cross-cultural communication
 - Cloud based shared documents and a logo
- **Don't forget: It's all about people:** Create an environment where everybody can & will give one's best (trust & respect, win-win, use network, create teams for tasks)

THANK YOU FOR YOUR ATTENTION

Detailed information on website
(Blogs, newsletter, upcoming events,...)



Let's stay connected!

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the European Union

**MANN +
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<https://www.linkedin.com/company/eu-project-aerosolfd/>



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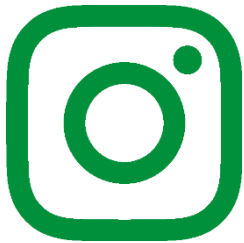
<https://www.instagram.com/aerosolfd.eu/>



<https://aerosolfd-project.eu/>

STAYING ON TRACK

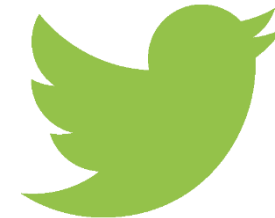
- Project updates, AeroSolfd-related events & more on our social media channels



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STAYING ON TRACK

- Stay connected with AeroSolfid

