Tampere University Tampere University of Applied Sciences







Halton

AirO

FILTERPAK







Granlund



CLEAMIX (CLEAMIX Caribbean Group Caribbean Group Caribbean Group

Roche

Finnish Institute of Occupational Health



ILMATIETEEN LAITOS METEOROLOGISKA INSTITUTET FINNISH METEOROLOGICAL INSTITUTE

ද් Biomensio

Lumikko



S TAMLINK



CleverHealth Network











E3 Pandemic Response

The E3 project wants to harness modern science and technology to create effective countermeasures to prevent the spreading of novel infectious diseases.

www.pandemicresponse.fi

EXCELLENCE IN PANDEMIC RESPONSE

AND ENTERPRISE SOLUTIONS

The E3, Excellence in Pandemic Response and Enterprise Solutions Co-Innovation project

- The project will primarily study the different pathways of pathogens and viruses, virus control and detection methods that can be used to find solutions to keep indoor air clean and safe in offices, public spaces, and vehicles.
- The main goal is to develop solutions that allow the various functions of society to continue uninterrupted and people to continue to move and live safely despite the epidemics and pandemics.

22 companies

7 research organizations

Duration 2,5 years

International cooperation



www.pandemicresponse.fi

E3 Ecosystem Indoor Health Safety WP4 WP5 **Detection &** WP3 Airborne Monitoring & Emissions, Diagnostics Contamination Dispersion, WP6 Control **Deposition &** Integration of WP7 WP2 Indoor Concepts Exposure Project Pathogens & & Solutions Coordination & Human Being VI Coordination of Business 😚 thl Cooperation Use cases as a platform for WP1 LMATIETEEN LAITOS METEOROLOGISKA INSTITUTET Risk Assesment, joint development of need-based 🛞 TAMLINK SPINVERSE Prevention & solutions focus on pandemics: NIVERSITY OF HELSINK Control **Finnish Institute of** Strategies **Occupational Health** • Use case 1: Smart Modular Healthcare Tampere University Tampere University of Applied Sciences • Use case 2: Smart Office & micro climate • Use case 3: Daycare intervention in Helsinki City **Multidisciplinary** joint research Monitoring & diagnostics OLFACT MICS System **People & infection G**Biomensio control integration Clean air HUS Roche Royal Caribbean Ŧ KONE Granlund AW² alme ISEC airlyse RUNE C BERGC CLEAMIX Halton

RAPAL

Lumikko Airo

LIFAar FILTERPAK

HUS

Science-based world-class solutions to global markets with high business and societal impact.

E3 use cases utilize the projects research results to find solutions for preventing virus contamination







Smart Modular Healthcare

 Hospital pilot in Romania & Helsinki Smart Office & Micro climate Daycare intervention





Thank you!



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