

LIFE NANOHEALTH
IMPROVES
WORKER'S HEALTH

www.lifenanohealth.eu



LIFE
NANO
HEALTH

What is LIFE NANOHEALTH?

The LIFE NANOHEALTH project aims to reduce occupational exposure to process generated nanoparticles (PGNPs) from critical permanently releasing industrial processes by optimizing the performance of Risk Management Measures (RMMs) in indoor exposure scenarios.

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Who benefits from LIFE NANOHEALTH and why?



LIFE NANOHEALTH firstly benefits exposed workers to PGNPs

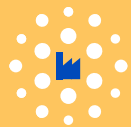
The RMMs selected will minimise worker exposure to PGNPs by at least 75%.

The NanoHealth Purifier (NHP) will achieve an abatement efficiency of PGNP > 90% in microambients covering an area of 600 m².



LIFE NANOHEALTH also benefits policymakers

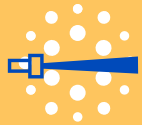
The appropriateness of the current Nano Reference Values (NRVs) for PGNPs will be benchmark tested in industrial settings under real operation conditions.



And LIFE NANOHEALTH also benefits the industrial sectors that include high-energy processes, offering solutions to minimize PGNPs concentrations inside industrial plants.

The NanoHealth Tool (NHT) allows to obtain concentration maps, with an accuracy >60% if general project information is available and >75% if detailed information is available, for user-friendly decision making.

PGNPs can be generated during different high-energy processes such as:



Thermal spray processes (HVOF, plasma, etc)



Firing



Welding



Grinding



Engine combustion



Plasma and laser cutting, etc.

LIFE NANOHEALTH is an European project funded by the European Commission through the LIFE program.

The NHP purifier features a versatile design so that its abatement efficiency is achievable in different industrial processes.

The NanoHealth Service (NHS) to evaluate occupational exposure to PGNPs in industrial settings by health and safety departments.





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Who is who in LIFE NANOHEALTH?

Coordinator Beneficiary



Associated Beneficiaries

