



Tuneable Acoustic Noise Dampening Material

Fact Sheet

Project Information

TANDEM

Grant agreement ID: 858845

[Project website](#)

DOI

[10.3030/858845](https://doi.org/10.3030/858845)

Project closed

EC signature date

24 May 2019

Start date

1 June 2019

End date

31 May 2022

Funded under

INDUSTRIAL LEADERSHIP - Innovation In SMEs

Total cost

€ 3 513 982,25

EU contribution

€ 2 312 528,58

Coordinated by

RESTORED HEARING LIMITED

 Ireland

Project description

Innovative technology to lower noise pollution

High levels of noise pollution are a direct result of rapid urbanisation and human activity. There is a rising demand for lower noise emissions, from society and regulators. The EU envisages a substantial reduction in noise emissions but existing acoustic materials are not effective barriers to the noise of vehicles and other modes of transport. These industries are seeking advanced and reliable technologies to face the increasing demands for noise reduction in urban environments. The EU-funded TANDEM project aims to develop an acoustic insulation metamaterial to effectively

reduce noise pollution. This will allow the construction of smaller and lighter products for use in the construction, aerospace, energy, and vehicle sectors. TANDEM will complete its clean technology for market commercialisation.

Fields of science (EuroSciVoc)

[natural sciences](#) > [earth and related environmental sciences](#) > [environmental sciences](#) > **[pollution](#)**



Programme(s)

[H2020-EU.2.3. - INDUSTRIAL LEADERSHIP - Innovation In SMEs](#)

MAIN PROGRAMME

[H2020-EU.3. - PRIORITY 'Societal challenges](#)

[H2020-EU.2.1. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies](#)

Topic(s)

[EIC-SMEInst-2018-2020 - SME instrument](#)

Call for proposal

[H2020-EIC-SMEInst-2018-2020](#)

[See other projects for this call](#)

Sub call

H2020-SMEInst-2018-2020-2

Funding Scheme

[SME - SME instrument](#)

Coordinator



RESTORED HEARING LIMITED

Net EU contribution

€ 2 312 528,58

Total cost

€ 3 513 982,25

Address

BUSINESS INNOVATION CENTRE SLIGO IT ASHLANE
F91W FW9 Sligo

 Ireland 

SME 

Yes

Region

Ireland > Northern and Western > Border

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Last update: 6 September 2024

Permalink: <https://cordis.europa.eu/project/id/858845>

European Union, 2025

