

HORIZON
2020

Development of temperature sensitive labels for products in cold supply chain

Fact Sheet

Project Information

T-Sense

Grant agreement ID: 868226

[Project website](#) 

DOI

[10.3030/868226](https://doi.org/10.3030/868226) 

Project closed

EC signature date

6 May 2019

Start date

1 June 2019

End date

30 November 2019

Funded under

INDUSTRIAL LEADERSHIP - Innovation In SMEs

Total cost

€ 71 429,00

EU contribution

€ 50 000,00

Coordinated by

MYSTERIA COLORUM-MYCOL,
PROIZVODNJA, TRGOVINA IN
STORITVE, DOO



Slovenia

Project description

How smart printing inks are revolutionising cold chain logistics

Food waste and safety are major concerns in cold chain logistics. To strengthen the responsibility of different actors in the cold chain, Slovenian startup MyCol is developing irreversible, temperature-sensitive printing inks for application on a product's packaging that change colour when the temperature exceeds the upper limit. This smart label enables real-time monitoring of products during transport and storage and eliminates the need for expensive monitoring systems. The EU-funded T-Sense project is investigating the technological feasibility and market viability of

MyCol's temperature-sensitive inks and developing a commercialisation strategy to ensure there is a clear roadmap to enter the market.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [mechanical engineering](#) > **[manufacturing engineering](#)**

[engineering and technology](#) > [materials engineering](#) > **[colors](#)**

[engineering and technology](#) > [electrical engineering, electronic engineering, information engineering](#) > [electronic engineering](#) > [sensors](#) > **[optical sensors](#)**

[social sciences](#) > [social geography](#) > **[transport](#)**

[engineering and technology](#) > [other engineering and technologies](#) > [food technology](#) > **[food packaging](#)**



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-2018-2020-1

Funding Scheme

[SME-1 - SME instrument phase 1](#)

Coordinator



MYSTERIA COLORUM-MYCOL, PROIZVODNJA, TRGOVINA IN STORITVE, DOO

Net EU contribution

€ 50 000,00

Total cost

€ 71 429,00

Address

Hajdrihova 19

1000 Ljubljana

 Slovenia 

SME 

Yes

Region

Slovenija > Zahodna Slovenija > Osrednjeslovenska

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/868226>

European Union, 2025