



The first holistic & preventive monitoring system of dairy cows' health

Fact Sheet

Project Information

rumicon

Grant agreement ID: 887978

[Project website](#)

DOI

[10.3030/887978](https://doi.org/10.3030/887978)

Project closed

EC signature date

15 November 2019

Start date

1 December 2019

End date

30 April 2020

Funded under

INDUSTRIAL LEADERSHIP - Innovation In SMEs

Total cost

€ 71 429,00

EU contribution

€ 50 000,00

Coordinated by

DROPNOSTIX GMBH



Germany

Project description

Diagnostic monitoring to keep cows healthy

Dairy cows are affected by several diseases related to lactation and pregnancy that are fatal for them. It is estimated that cow mortality due to these diseases is between 20 and 40 % of the livestock. This results in huge economic losses for the industry and further environmental damages. Existing solutions meet only one or two aspects of animal welfare while depending on a few parameters that are not always reliable. The EU-funded rumicon project is developing the first holistic and diagnostic

monitoring solution that counts a wide range of direct and indirect parameters covering all aspects of cow welfare. It consists of a bolus sensor integrated into the rumen cow stomach that sends data to a cloud-based system to be processed with machine learning and algorithms.

Fields of science (EuroSciVoc)

[agricultural sciences](#) > [animal and dairy science](#) > **[dairy](#)**

[medical and health sciences](#) > [clinical medicine](#) > **[obstetrics](#)**

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

[agricultural sciences](#) > [animal and dairy science](#) > [domestic animals](#) > **[animal husbandry](#)**

[natural sciences](#) > [computer and information sciences](#) > [artificial intelligence](#) > **[machine learning](#)**



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

Coordinator



DROPNOSTIX GMBH

Net EU contribution

€ 50 000,00

Total cost

€ 71 429,00

Address

GESCHWISTER-SCHOLL STRASSE 51

14471 POTSDAM

 **Germany** 

SME 

Yes

Region

Brandenburg > Brandenburg > Potsdam

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: 17 August 2022

Permalink: <https://cordis.europa.eu/project/id/887978>

European Union, 2025