



Bringing automated, real-time process control into starch-processing industries

Fact Sheet

Project Information

OptiSpec

Grant agreement ID: 880138

[Project website](#)

DOI

[10.3030/880138](https://doi.org/10.3030/880138)

Project closed

EC signature date

30 September 2019

Start date

1 October 2019

End date

31 March 2021

Funded under

INDUSTRIAL LEADERSHIP - Innovation In SMEs

Total cost

€ 2 305 227,50

EU contribution

€ 1 613 659,25

Coordinated by

SPECSHELL APS



Denmark

Project description

Good news for brewers and bioethanol producers

Brewers will soon be able to raise beer and bioethanol productivity by up to 15 % annually while reducing their carbon footprint, thanks to Specshell's OptiSpec process control system. A first, this automated system provides detailed insight on compositional data such as sugar concentration and other intermediates in real time throughout the production process. Currently struggling with difficult market conditions, bioethanol producers can also benefit from this breakthrough technology. EU funding will enable Specshell to realise the potential of OptiSpec and increase its market uptake. In turn, widespread adoption of this system will increase production

efficiency and boost yield and profits of the beer and bioethanol sector, while helping the EU achieve its decarbonisation objectives.

Fields of science (EuroSciVoc)

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

[agricultural sciences](#) > [agriculture, forestry, and fisheries](#) > [agriculture](#) > **[grains and oilseeds](#)**

[social sciences](#) > [economics and business](#) > [economics](#) > [production economics](#) > **[productivity](#)**

[natural sciences](#) > [chemical sciences](#) > [organic chemistry](#) > **[alcohols](#)**

[natural sciences](#) > [biological sciences](#) > [biochemistry](#) > [biomolecules](#) > [proteins](#) > **[enzymes](#)**



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-2 - SME instrument phase 2](#)

Coordinator



SPECSHELL APS

Net EU contribution

€ 1 613 659,25

Total cost

€ 2 305 227,50

Address

TEMPOVEJ 14

2750 BALLERUP

 Denmark 

SME 

Yes

Region

Danmark > Hovedstaden > Københavns omegn

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: 24 August 2022

Permalink: <https://cordis.europa.eu/project/id/880138>

European Union, 2025