



Ontology driven Open Translation Environment

Fact Sheet

Project Information

OntoTRANS

Grant agreement ID: 862136

[Project website](#) 

DOI

[10.3030/862136](https://doi.org/10.3030/862136) 

Project closed

EC signature date

17 April 2020

Start date

1 April 2020

End date

31 July 2024

Funded under

INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced materials

Total cost

€ 5 516 936,25

EU contribution

€ 5 511 936,25

Coordinated by

TECHNISCHE UNIVERSITÄT
WIEN



Austria

Project description

Ontology-based system for more competitive manufacturing processes

Today's rapidly changing manufacturing industry needs adaptive and efficient manufacturing systems that can adjust to the changes in production materials and processes. Having this challenge in mind, the EU-funded OntoTRANS project aims to introduce an ontology-based open translation environment. Using AI, the project will make it possible for end users to represent their manufacturing process challenges in a standard ontological form. It will also enable them to connect these

challenges with relevant information sources and materials modelling solutions that can support optimal materials and process design. Smart targeted guidance will be provided throughout the translation process via available data analysis, modelling workflow options, simulation and interpretation of contextual results. The project will help to boost competitiveness in the manufacturing industry.

Fields of science (EuroSciVoc)

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

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

[natural sciences](#) > [computer and information sciences](#) > [knowledge engineering](#) > **[ontology](#)**



Keywords

[Open Translation Environment](#)

[Materials Ontology](#)

[Artificial Intelligence](#)

[Materials Modelling Solutions](#)

[Modelling Workflows](#)

[Open Simulation Platform](#)

[Materials and Process Design](#)

[Semantic Systems](#)

Programme(s)

[H2020-EU.2.1.3. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Advanced materials](#)

MAIN PROGRAMME

[H2020-EU.2.1.2. - INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Nanotechnologies](#)

Topic(s)

[DT-NMBP-10-2019 - Adopting materials modelling to challenges in manufacturing processes \(RIA\)](#)

Call for proposal

[H2020-NMBP-TO-IND-2018-2020](#)

[See other projects for this call](#)

Sub call

H2020-NMBP-TO-IND-2019

Funding Scheme

[RIA - Research and Innovation action](#)

Coordinator



TECHNISCHE UNIVERSITAET WIEN

Net EU contribution

€ 709 852,00

Total cost

€ 709 852,00

Address

KARLSPLATZ 13

1040 Wien

 Austria 

Region

Ostösterreich > Wien > Wien

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Participants (12)



GOLDBECK CONSULTING LIMITED

 United Kingdom

Net EU contribution

€ 405 975,00

Address

ST JOHNS INNOVATION CENTRE COWLEY ROAD
CB4 0WS Cambridge 

SME 

Yes

Region

East of England > East Anglia > Cambridgeshire CC

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](#) 

Total cost

€ 405 975,00



ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA

 Italy

Net EU contribution

€ 668 415,95

Address

VIA ZAMBONI 33
40126 Bologna 

Region

Nord-Est > Emilia-Romagna > Bologna

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 668 415,95



**FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN
FORSCHUNG EV**

 Germany

Net EU contribution

€ 839 517,75

Address

HANSASTRASSE 27C
80686 Munchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

€ 839 517,75



SINTEF AS

 Norway

Net EU contribution

€ 579 256,50

Address

STRINDVEGEN 4
7034 Trondheim 

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

€ 817 044,00

 THIRD-PARTY 

SINTEF OCEAN AS

 Norway

Net EU contribution

€ 237 787,50

Address

PAUL FJERMSTADS VEG 59
7052 Trondheim 

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

No data



HELMHOLTZ-ZENTRUM HEREON GMBH

 Germany

Net EU contribution

€ 266 300,00

Address

MAX PLANCK STRASSE 1
21502 Geesthacht 

Region

Schleswig-Holstein > Schleswig-Holstein > Herzogtum Lauenburg

Activity type

Research Organisations

Links

[Contact the organisation](#)  [Website](#) 
[Participation in EU R&I programmes](#) 
[HORIZON collaboration network](#) 

Total cost

€ 266 300,00



COMPUTATIONAL MODELLING CAMBRIDGE LIMITED

 United Kingdom

Net EU contribution

€ 601 670,00

Address

STATION ROAD SALISBURY HOUSE

CB1 2LA Cambridge 

SME 

Yes

Region

East of England > East Anglia > Cambridgeshire CC

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](#) 

Total cost

€ 601 670,00



DATASTORIES INTERNATIONAL

 Belgium

Net EU contribution

€ 249 500,50

Address

ANTOINE COPPENSLAAN 27 11

Turnhout 

SME 

Yes

Region

Vlaams Gewest > Prov. Antwerpen > Arr. Turnhout

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

Total cost

€ 249 500,50



ARCELORMITTAL INNOVACION INVESTIGACION E INVERSION SL

Spain

Net EU contribution

€ 195 593,75

Address

LUGAR RESIDENCIA LA GRANDA SN
33418 Gozon



Region

Noroeste > Principado de Asturias > Asturias

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

Total cost

€ 195 593,75



COMPOSITES EVOLUTION LIMITED

United Kingdom

Net EU contribution

€ 153 318,75

Address

1A BROOM BUSINESS PARK, BRIDGE WAY
S41 9QG Chesterfield



SME

Yes

Region

East Midlands (England) > Derbyshire and Nottinghamshire > East Derbyshire

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](#) 

Total cost

€ 153 318,75



PROCTER & GAMBLE SERVICES COMPANY NV

 Belgium

Net EU contribution

€ 604 748,55

Address

TEMSELAAN 100

1853 Strombeek Bever 

Region

Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Halle-Vilvoorde

Activity type

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

Links

[Contact the organisation](#)  [Website](#) 

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

[HORIZON collaboration network](#) 

Total cost

€ 609 748,55

 **THIRD-PARTY** 

PROCTER & GAMBLE INTERNATIONAL OPERATIONS SA

 Switzerland

Net EU contribution

€ 0,00

Address

ROUTE DE SAINT GEORGES 47
1213 Petit Lancy 

Region

Schweiz/Suisse/Svizzera > Région lémanique > Genève

Activity type

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

Links

- [Contact the organisation](#) 
- [Website](#) 
- [Participation in EU R&I programmes](#) 
- [HORIZON collaboration network](#) 

Total cost

No data

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European Union, 2025

