

HORIZON  
2020

# Consortium for Hall Effect Orbital Propulsion System – Phase 2 covering MEDIUM POWER needs

## Fact Sheet

### Project Information

#### CHEOPS MEDIUM POWER

Grant agreement ID: 101004226

[Project website](#)

#### DOI

[10.3030/101004226](#)

Project closed

#### EC signature date

5 November 2020

#### Start date

1 March 2021

#### End date

31 March 2025

#### Funded under

INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies – Space

#### Total cost

€ 6 018 859,29

#### EU contribution

€ 4 500 000,00

#### Coordinated by

SAFRAN SPACECRAFT  
PROPULSION

 France

This project is featured in...



## In-space electric propulsion: powering the future EU space ecosystem

### Project description

#### For a competitive and reliable European satellite industry

With space exploration once again gaining traction and the Internet of things and satellite technologies advancing, Europe needs to innovate in the field of propulsion systems. To maintain its competitive edge, the EU-funded CHEOPS MEDIUM POWER project aims to provide Europe with a highly reliable dual-mode Hall effect electric propulsion system with enough power to perform both orbit-raising and station-keeping jobs. To achieve this, it will capitalise on CHEOPS phase 1 results to develop parts that will be used to create a lower-cost, higher-quality, faster assembly and manufacturing and more durable solution.

#### Fields of science (EuroSciVoc)

[engineering and technology](#) > [mechanical engineering](#) > [vehicle engineering](#) > [aerospace engineering](#) > [satellite technology](#)



#### Keywords

[Hall Effect Thruster](#)[PPU](#)[FMS](#)[development](#)[qualification](#)[MRR](#)[PDR](#)[CDR](#)[QR](#)

#### Programme(s)

## Topic(s)

[SPACE-28-TEC-2020 - SRC - In-space electrical propulsion and station keeping - Incremental technologies](#)

## Call for proposal

[H2020-SPACE-2018-2020](#)

[See other projects for this call](#)

## Sub call

H2020-SPACE-2020

## Funding Scheme

[IA - Innovation action](#)

## Coordinator



### SAFRAN SPACECRAFT PROPULSION

Net EU contribution

**€ 2 244 000,00**

Total cost

**€ 3 205 714,29**

Address

**1 AVENUE HUBERT CURIEN**

**27200 Vernon**

 **France** 

Region

**Normandie > Haute-Normandie > Eure**

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](#)

Participants (8)



AEROSPAZIO TECNOLOGIE SRL

Italy

Net EU contribution

€ 580 000,00

Address

STRADA PROVINCIALE NORD 42 A  
53040 Rapolano Terme Si

SME

Yes

Region

Centro (IT) > Toscana > Siena

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

€ 828 572,50



BRADFORD ENGINEERING BV

Netherlands

Net EU contribution

€ 420 000,00

Address

DE WIJPER 26  
4726 TG Heerle 

SME 

Yes

Region

Zuid-Nederland > Noord-Brabant > West-Noord-Brabant

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

€ 600 000,00



CHALMERS TEKNISKA HOGSKOLA AB

 Sweden

Net EU contribution

€ 65 000,00

Address

-

412 96 Goteborg 

Region

Södra Sverige > Västsverige > Västra Götalands län

Activity type

Higher or Secondary Education Establishments

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 65 000,00



CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS

 France

Net EU contribution

€ 331 000,00

Address

**RUE MICHEL ANGE 3**

**75794 Paris** 

Region

**Ile-de-France > Ile-de-France > Hauts-de-Seine**

Activity type

**Research Organisations**

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 331 000,00



**DEUTSCHES ZENTRUM FUR LUFT - UND RAUMFAHRT EV**

 Germany

Net EU contribution

€ 175 000,00

Address

**LINDER HOHE**

**51147 Koln** 

Region

**Nordrhein-Westfalen > Köln > Bonn, Kreisfreie Stadt**

Activity type

**Research Organisations**

Links

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

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

[HORIZON collaboration network](#) 

Total cost

€ 175 000,00



## SME4SPACE VZW

 Belgium

Net EU contribution

**€ 115 000,00**

Address

**TECHNOLOGIELAAN 9**

**3001 Heverlee** 

SME 

**Yes**

Region

**Vlaams Gewest > Prov. Vlaams-Brabant > Arr. Leuven**

Activity type

**Research Organisations**

Links

[Contact the organisation](#) 

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

[HORIZON collaboration network](#) 

Total cost

**€ 115 000,00**



## THALES ALENIA SPACE BELGIUM SA

 Belgium

Net EU contribution

**€ 300 000,00**

Address

**RUE CHAPELLE BEAUSSART 101**

**6032 MONT SUR MARCHIENNE** 

Region

**Région wallonne > Prov. Hainaut > Arr. Charleroi**

Activity type

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

Links

[Contact the organisation](#) 

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

Total cost  
**€ 428 572,50**



**UNIVERSIDAD CARLOS III DE MADRID**

 Spain

Net EU contribution  
**€ 270 000,00**

Address  
**CALLE MADRID 126**  
**28903 Getafe (Madrid)** 

Region  
**Comunidad de Madrid > Comunidad de Madrid > Madrid**

Activity type  
**Higher or Secondary Education Establishments**

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

Total cost  
**€ 270 000,00**

**Last update:** 22 January 2025

**Permalink:** <https://cordis.europa.eu/project/id/101004226>

European Union, 2025

