Towards European Licence of Small Modular Reactors

Fact Sheet

Project Information

ELSMOR

Grant agreement ID: 847553

Funded under
Euratom

Total cost
€ 4 289 033.26

EU contribution
€ 3 494 703.56

Coordinated by
TEKNOLOGIAN
TUTKIMUSKESKUS VTT OY
Finland

Project description

Ensuring small-scale reactors are a safer form of nuclear power

Light water small modular reactors (LW-SMRs) are a promising new technology whose features make them a potentially attractive energy source. The EU-funded ELSMOR project seeks to design methods and tools for stakeholders to assess and verify LW-SMRs’ safety when installed across Europe. It will gather, analyse and disseminate information on LW-SMRs’ potential and challenges to target audiences such as citizens, decision-makers and regulators. The project will also devise procedures to evaluate their safety, enhance European experimental research infrastructure to help in assessing future LW-SMR safety features, and enrich
European nuclear safety analysis codes for evaluating future LW-SMR safety. Ultimately, the licensing procedure will be smoother and more complete.

**Fields of science**

- engineering and technology > other engineering and technologies > nuclear engineering
- natural sciences > computer and information sciences > software > software applications > simulation
- software

**Programme(s)**

- H2020-Euratom - Euratom
  - MAIN PROGRAMME
- H2020-Euratom-1.1. - Support safe operation of nuclear systems

**Topic(s)**

- NFRP-2018-3 - Research on the safety of Light Water Small Modular Reactors

**Call for proposal**

- NFRP-2018

See other projects for this call

**Funding Scheme**

- RIA - Research and Innovation action

**Coordinator**

TEKNOLOGIAN TUTKIMUSKESKUS VTT OY

Net EU contribution

€ 457 511,25

Address

Tekniikantie 21
02150 Espoo
Participants (14)

COMMISSARIAT A L ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES

Net EU contribution
€ 322 811,25

Address
Rue leblanc 25
75015 Paris

Region
Ile-de-France > Ile-de-France > Paris

Consorzio Interuniversitario Nazionale per la Ricerca Tecnologica nucleare
<table>
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<th>Country</th>
<th>Net EU contribution</th>
<th>Address</th>
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<td>€ 278 920.76</td>
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AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L’ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE

Italy

Net EU contribution

€ 217 000,00

Address

Lungotevere grande ammiraglio thaon di revel 76
00196 Roma

Region

Centro (IT) > Lazio > Roma

Activity type

Research Organisations

Links

Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding

€ 53 900,00

ELECTRICITE DE FRANCE

France

Net EU contribution

€ 201 485,24

Address

Avenue de wagram 22
75008 Paris

Region

Ile-de-France > Ile-de-France > Paris

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
FORTUM POWER AND HEAT OY
Finland
Net EU contribution
€ 155 127,50
Address
Keilalahdentie 2-4
02150 Espoo
Region
Manner-Suomi > Helsinki-Uusimaa > Helsinki-Uusimaa
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
Other funding
€ 0,00

FRAMATOME
France
Net EU contribution
€ 223 906,25
Address
1 place jean millier tour areva
92400 Courbevoie
Region
Ile-de-France > Ile-de-France > Hauts-de-Seine
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
GESELLSCHAFT FUR ANLAGEN UND REAKTORSICHERHEIT (GRS) gGmbH

Germany

Net EU contribution

€ 469 078,75

Address

Schwertnergasse 1
50667 Köln

Region

Nordrhein-Westfalen > Köln > Köln, Kreisfreie Stadt

Activity type

Research Organisations

Links

Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding

€ 0,00

INSTITUT DE RADIOPROTECTION ET DE SURETE NUCLEAIRE

France

Net EU contribution

€ 162 305,06

Address

Av de la division leclerc 31
92260 Fontenay aux roses

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

Other funding

€ 69 559.94

SOCIETE TECHNIQUE POUR L'ENERGIE ATOMIQUE TECHNICATOME SA

France

Net EU contribution

€ 45 970.00

Address

Rte st-aubin lieudit hautes rives
91190 Villiers le bacle

Region

Ile-de-France > Ile-de-France > Essonne

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

Other funding

€ 0.00

SOCIETA INFORMAZIONI ESPERIENZE TERMOIDRAULICHE SPA

ENUNCIABILE ANCHE

Italy

Net EU contribution

€ 692 337.50

Address

Via nino bixio 27/c
29121 Piacenza
Nord-Est > Emilia-Romagna > Piacenza

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

Other funding

€ 0,00

LIMITED LIABILITY COMPANY ENERGORISK

Ukraine

Net EU contribution

€ 104 250,00

Address

7 timofeya strokacha street office 141
03148 Kyiv

SME

Yes

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

Other funding

€ 0,00

LIETUVOS ENERGETIKOS INSTITUTAS

Lithuania

Net EU contribution

€ 115 250,00

Address
PAUL SCHERRER INSTITUT
Switzerland
Net EU contribution
€ 30 000,00
Address
Forschungstrasse 111
5232 Villigen psi
Region
Schweiz/Suisse/Svizzera > Nordwestschweiz > Aargau
Activity type
Research Organisations
Links
Contact the organisation, Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 288 750,00

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Permalink: https://cordis.europa.eu/project/id/847553