

PROJECT

LASH FIRE

Legislative Assessment for Safety Hazards of Fire and Innovations in Ro-ro ship Environment

Funding: European (Horizon 2020)

Duration: Sep 2019 - Aug 2023

Status: Ongoing

Total project cost: €13,479,771

EU contribution: €12,209,148



[CORDIS RCN : 223189](#)

Objectives:

Ro-ro ships are an important component of the global transportation system, but an increasing trend of ro-ro ship fires in recent years call for improved fire protection. From comprehensive ship operators' experience and by participation in ongoing work for the European Maritime Safety Agency and the International Maritime Organization (IMO), critical aspects of ro-ro ship fire safety have been identified to form the scope of the project LASH FIRE.

It aims to provide a recognized technical basis for the revision of international IMO regulations, which greatly enhances fire prevention and ensures management of fires on ro-ro ships without recourse to external intervention. This is done by developing and demonstrating operational and design solutions which strengthen the fire protection of ro-ro ships in all stages of a fire and which address current and future challenges, including regulatory issues.

Twenty specific challenges have been identified, which will be addressed by new solutions developed and demonstrated with regards to performance and ship integration feasibility by system suppliers, researchers, ship owners and shipyards. For the solutions to be considered for regulatory uptake, their impact on risk reduction and cost will be assessed and advisory groups with operators and flag states will be established. Thereby, the project is expected to significantly strengthen the independent fire protection of ro-ro ships and to reduce the frequency of ro-ro ship fires by 35% and the number of fatalities by 45%.

Parent Programmes:

[H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport](#)

Institute type: Public institution

Institute name: European Commission

Funding type: Public (EU)

Other programmes: MG-2-2-2018 Marine Accident Response

Lead Organisation:

Rise Research Institutes Of Sweden Ab

Address:

Scheelevägen 27
22370 Lund
Sweden

EU Contribution: €3,859,238

Partner Organisations:

Dfds A/s**Address:**

Sundkrogsgade 11
2100 KOPENHAGEN
Denmark

Organisation Website:

<http://www.dfds.com>

EU Contribution: €284,708

Universite De Lorraine**Address:**

Cours Léopold 34
54052 Nancy
France

Organisation Website:

<http://www.univ-lorraine.fr>

EU Contribution: €405,656

Unifire Aktiebolag**Address:**

BULTGATAN 40B
442 40 KUNGALV
Sweden

EU Contribution: €196,273

Marioff Corporation Oy**Address:**

PL 1002
01511 VANTAA
Finland

EU Contribution: €42,744

Bureau Veritas Marine & Offshore Registre International De Classification De Navires Et De Plateformes Offshore**Address:**

8 COURS DU TRIANGLE
92800 PUTEAUX
France

Organisation Website:

<http://www.bureauveritas.fr>

EU Contribution: €372,663

European Ferry Company**Address:**

RUE DUCALE 67 B2
1000 BRUXELLES
Belgium

EU Contribution: €135,328

Ntnu Samfunnsforskning As**Address:**

DRAGVOLL ALLE 38 B
7491 TRONDHEIM
Norway

EU Contribution: €751,852

Sick Ag**Address:**

Erwin Sick Strasse
79183 Waldkirch
Germany

Organisation Website:

<http://www.sick.com>

EU Contribution: €177,581

Teknologian Tutkimuskeskus Vtt**Address:**

TEKNIKANTIE 21
02150 ESPOO
Finland

Organisation Website:

<http://www.vtt.fi>

EU Contribution: €196,606

Shipyards And Maritime Equipment Association Of Europe**Address:**

Rue Marie De Bourgogne 52 54 52
1000 Bruxelles
Belgium

Organisation Website:

<http://www.seaeurope.eu>

EU Contribution: €507,688

Ap Sensing Gmbh**Address:**

HERRENBERGER STRASSE 130
71034 BOBLINGEN
Germany

EU Contribution: €117,863

Fifi4Marine Bv**Address:**

ONDERDIJK 9
1693 CA WERVERSHOOF
Netherlands

EU Contribution: €224,306

Magellan-Associacao Para A Representacao Dos Interesses Portugueses No Exterior**Address:**

AVENIDA DA BOAVISTA 1588-7 RAMALDE
4100 115 PORTO
Portugal

EU Contribution: €311,662

Centre Internacional De Metodes Numericos En Enginyeria**Address:**

C Gran Capitan, Edifici C1, Campus Nord Upc Sn
8034 Barcelona
Spain

Organisation Website:

<http://www.cimne.com>

EU Contribution: €466,438

Rise Fire Research As**Address:**

TILLERBRUVEGEN 202
7092 TILLER
Norway

EU Contribution: €812,175

Hoegh Autoliners As**Address:**

DRAMMENSVEIEN 134
0277 OSLO
Norway

EU Contribution: €147,197

Rs2N**Address:**

371 CHEMIN DE GAUMIN
83640 SAINT-ZACHARIE
France

EU Contribution: €235,069

University Of Cyprus**Address:**

Kallipoleos Street 75
1678 Nicosia
Cyprus

Organisation Website:

<http://www.ucy.ac.cy>

EU Contribution: €172,268

Uniaccess

Address:

260 RUE DES BARRONNIERES
01700 BEYNOST
France

EU Contribution: €157,850

Stena Rederi Ab**Address:**

Masthuggsterminalen
405 19 Gothenburg
Sweden

EU Contribution: €562,581

Sociedad De Salvamento Y Seguridad Maritima**Address:**

FRUELA 3
MADRID
Spain

Organisation Website:

<http://www.centrojovellanos.com>

EU Contribution: €401,938

Norges Teknisk - Naturvitenskapelige Universitet**Address:**

Hogskoleringen 1
7491 TRONDHEIM
Norway

Organisation Website:

<http://www.ntnu.no/>

EU Contribution: €761,780

Flow Ship Design Doo Za Projektiranje, Konzalting I Inzenjering U Brodogradnji**Address:**

ANTICOVA ULICA 9
52100 PULA
Croatia

EU Contribution: €187,644

Fike Safety Technology Limited**Address:**

UNIT 31, SPRINGVALE INDUSTRIAL ESTA CWMBRAN, GWENT
CWMBRAN
NP44 5BD
United Kingdom

EU Contribution: €122,981

Center Of Maritime Technologies E. V.**Address:**

Bramfelder Strasse 164

22305 HAMBURG
Germany

Organisation Website:

<http://www.cmt-net.org>

EU Contribution: €597,063

Technologies:

Safety systems
Low cost fire and flooding escalation monitoring sensor
notes

STRIA Roadmaps: Vehicle design and manufacturing, Infrastructure
Water transport (sea &

Transport mode: inland)

Transport sectors: Passenger transport, Freight transport

Transport policies: Safety/Security

Geo-spatial type: Other