Development of Polymer Halter for Oil Filters

Fact Sheet

Project Information

PolyHalter

Grant agreement ID: 673763

Project website

DOI
10.3030/673763

Project closed

EC signature date
5 May 2015

Start date
1 June 2015

End date
30 November 2016

Funded under
SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

Total cost
€ 724 550,00

EU contribution
€ 507 185,00

Coordinated by
POLYCOM PREDELAVA PLASTICNIH MAS INORODJARSTVO SKOFJA LOKA DOO
Slovenia

Objective

PolyHalter project is a direct response to demands for innovative, cost-effective solution which would allow car manufacturers to install lighter, more efficient and lower-priced engine parts (with smaller number of assembly parts). Development of polymer oil filter halter represents significant technological advance in field of engine parts, giving Polycom access to still-developing niche market and significant advantage over competitors.

While aluminium has been gold standard in production of oil filter halters for over 70 years, new polymer oil filter halter will enable the combination of minimum noise level,

maximum mass savings and maximum price reduction at the level of which hasn't been achieved so far. Final product will be positioned as a better, cheaper and more eco-friendly alternative to aluminium oil filter halters which won't need high volume logistics and will be capable of multifunctioning. Number of components within the product will decrease, as well as possibilities of errors.

In order to bring the currently developed prototype of polymer oil filter halter from current TRL 6 to industrial and market readiness, key innovation and commercialisation activities still need to be implemented.

Additionally, new process (and injection moulding tools) for injection moulding of polymer filter halters will be further optimized to allow manufacture of up to 20 different types of polymer halters in 5 years after completion of the project, for various industries (automotive industry, compressor manufacturing, electro industry, home appliances industry, aircraft industry and similar).

Proposed innovation business project is in line with the work programme topic IT-1-2014: Small business innovation research for Transport.

Fields of science (EuroSciVoc)

engineering and technology > mechanical engineering > vehicle engineering > aerospace engineering > **aircraft**

natural sciences > chemical sciences > **polymer sciences**

engineering and technology > mechanical engineering > vehicle engineering > **automotive engineering**

natural sciences > chemical sciences > inorganic chemistry > **post-transition metals**

engineering and technology > environmental engineering > **energy and fuels**

Programme(s)

H2020-EU.3.4. - SOCIETAL CHALLENGES - Smart, Green And Integrated Transport

MAIN PROGRAMME

H2020-EU.2.3.1. - Mainstreaming SME support, especially through a dedicated instrument

Topic(s)

IT-1-2014 - Small business innovation research for Transport

Call for proposal

H2020-SMEInst-2014-2015

See other projects for this call

Sub call

H2020-SMEINST-2-2014

Funding Scheme

SME-2 - SME instrument phase 2

Coordinator

POLYCOM PREDELAVA PLASTICNIH MAS INORODJARSTVO SKOFJA LOKA DOO

Net EU contribution

€ 507 185,00

Total cost

€ 724 550,00

Address

POLJANE NAD SKOFJO LOKO 76
4223 Poljane Nad Skofjo Loko
Slovenia

SME

Yes

Region

Slovenija > Zahodna Slovenija > Gorenjska

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

Last update: 11 August 2022

Permalink: https://cordis.europa.eu/project/id/673763