

Qatar-Spain Innovation Programme (QASIP) Partner Search

A. Qatar-based company seeking Spanish company partner

If you are a Qatar-based company seeking a suitable partner in Spain to participate in the QASIP Programme, please provide the information about your request below. QRDI will connect with Spain's Centre for Development in Technology and Innovation (CDTI) to search for suitable companies that could be potential partners and introduce them to you. Please connect with these companies to explore working together. Once you have identified a suitable partner, you will be able to apply for the QASIP grant.

The respondent's email (sahmed@qu.edu.qa) was recorded on submission of this form.

Email *

sahmed@qu.edu.qa

Company Information

Company name *

ClearExhaust LLC

Date of request *

May 11, 2023

Company website *

<https://parrotfish-poodle-m9se.squarespace.com/>

Contact person and designation *

Dr. Samer Ahmed - Founder and CEO

E-mail *

sahmed@qu.edu.qa

Phone number *

+974 4403 4307

Mobile number *

+974 5574 8771

Company Profile**Business sector ***

Emission reduction technologies for combustion engines.

Nature of business (100 words) *

Emissions from diesel engines are a major source of pollution worldwide. Smoke emissions, in particular, can cause very severe diseases such as cancer and asthma. All the existing technologies to reduce diesel engine smoke depend on different types of exhaust gas filters, which can manage to reduce the large size carbon particles from the diesel smoke, but not the small ones. The developed technique is unique and novel on creating a water-type filter that can catch ALL sizes of the carbon particles without affecting the engine operation. Unlike the existing smoke filters, the developed smokeless exhaust tube is capable of eliminating completely (100%) the smoke emissions and reducing other important greenhouse emissions by about 20-30%. This tube can be installed without major modifications in all moving and stationary diesel engine.

Date of establishment *

November 2022

Total number of employees *

4

Total number of employees in R&D *

2

Technical competencies and expertise *

Dr. Samer Ahmed is a professor of Mechanical Engineering- He is specialized in combustion and emissions, alternative fuels and emission reduction technologies. All the other team members are mechanical engineers.

Existing R&D projects (if any) *

Developing of a portable carbon capture system for mobile emission sources

Brief description of potential collaborative project(s) *

Any project related to emission reduction technologies from combustion systems, which can be in automotive industries, construction equipment, power generation, or any other industrial sector. Developing of a portable carbon capture systems for small combustion systems can be a suggested project.

Areas of collaboration sought *

Emission reduction technologies - Alternative and sustainable fuel technologies

Any other information to be shared with potential partner *

ClearExhaust LLC is a startup company emerged as spin-off from my research and innovation at Qatar University. Our unique smokeless exhaust tube for diesel engines has gained much interest in Qatar. In addition some major automotive companies such as TATA, BMW and Caterpillar are interested in our product. We currently have a number of sale orders from the Ministry of Municipality and a couple of construction companies to install our system onboard their trucks and buses.

Any other information to be shared with potential partner *

ClearExhaust is interested to develop new innovative products and technologies with a Spanish partner company.

Potential Partner Company Profile**Business sector ***

Automotive industry - Diesel engine industry - Emission reduction industry - Oil and gas industry

Technical competencies and expertise *

Combustion and emission research and innovation - Alternative and sustainable fuel technologies

Other important competencies *

Developing new products related to emission reduction from different combustion systems

Other characteristics of the 'ideal' partner *

We are looking for a partner that is willing to develop new technologies together and produce products, which can be sold in the international market.

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