

Wildfire



Multiplying water efficiency in wildfire-fighting through aerosol cloud

The Project

Wildfires are an increasing global threat (climate crisis), harming humans & nature, causing >€100bn in damages. Firefighting today is limited by water scarcity, training & assets.

CAURUS Technologies' product aims to increase aerial firefighting efficiency, integrating digital technology and innovative water cloud extinguishing engineering to better combat wildfires – all from the air and complementing existing practices.

Target market are public & private clients active in wildfire fighting/ emergency response and other stakeholders (e.g. insurance companies); Total addressable market >€8bn/year

Fraunhofer EMI provides extensive regulated knowledge & unique expertise applied to develop core functional and safety elements of the system.

The Team

Location: CAURUS Technologies, Munich & Ernst-Mach-Institute (EMI), Freiburg

Members: Philippe Telle (CEO, CAURUS) – contact person, Dr. Dirk Schaffner (R&D Advisory, EMI), Henrik Telle (CFO, CAURUS)

AHEAD Infos Batch: #13 / 2023 Phase: 1 Track: Spin-off

The Business Model

Unique Selling Proposition: Faster & more efficient fire extinguishing, reducing damage, costs & CO2 emissions

Unfair Advantage: System development based on EMI's extensive knowledge and unique expertise & required special authorizations

Revenue Model: System sales + recurrent revenues

Venture Readiness Level



Technology Readiness Level



The Side Facts

Customer Focus: B2G, B2B

Searching For: Investors (Seed ongoing, H1/24 Series A)

Industry Tags: Technology hardware & equipment, software & services

Technology Tags: Climate tech, big/smart data, sensors