Hephaesnus

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Efficient and **Autonomous** Firefighting

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Forest Fires, a Rising Calamity

Pedrogão Grande, 2017

Jasper, 2024

986 740
Fires in 2023

Carmo Industries, 2024

Interecycling Industries, 2024

2. Forest Fire Fighting Projectiles (Ground and Air Action)

Flame Extinguishing Projectiles

Air drop using Aerial Means

Immediate combat by VTTF/VFCI

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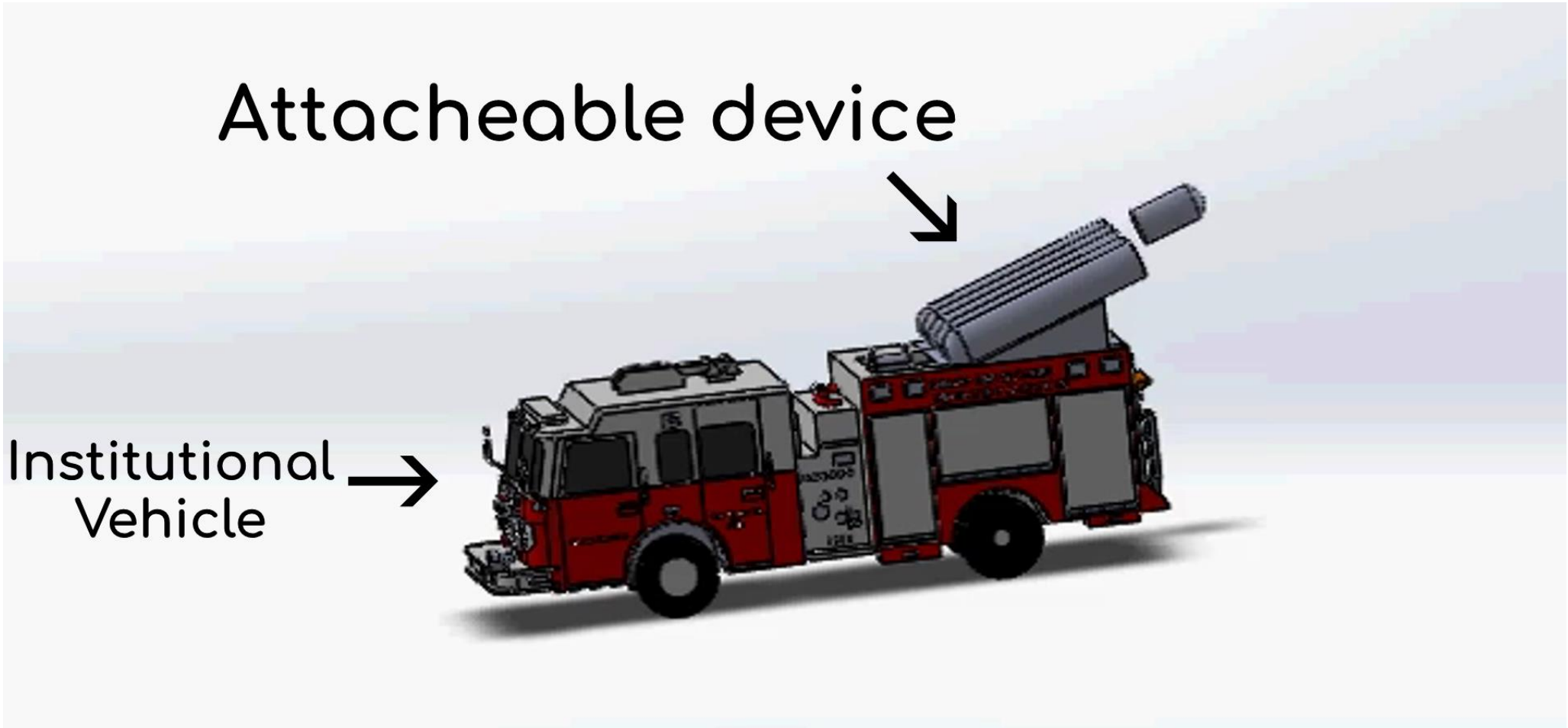
Attacheable device
Institutional Vehicle

Projectile Characteristics

Effective and Patentable extinguishing load inside

Optimized aerodynamics

Adaptable

Safe and effective mechanisms

Circular Economy: Manufactured with Industrial By-Products

Main applications

Asset protection

Preventing reoccurrences

1st Response

Main applications

Combat in Inaccessible Places

Coordinated Attack

Unpredictable conditions

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Market & Competitors

Market Competition

Hydrop, by Elbit Systems

PROBLEMS

High cost

Requires Purchasing/Renting New Logistical Line

Unknown Cost-Efficiency

Elide Fire and FirePro

PROBLEMS

High cost

Use in confined spaces

Hazardous Activation Technology

Business Model

Market

+1100 million €

(Source: State Budgets PT and ES)

Institutional

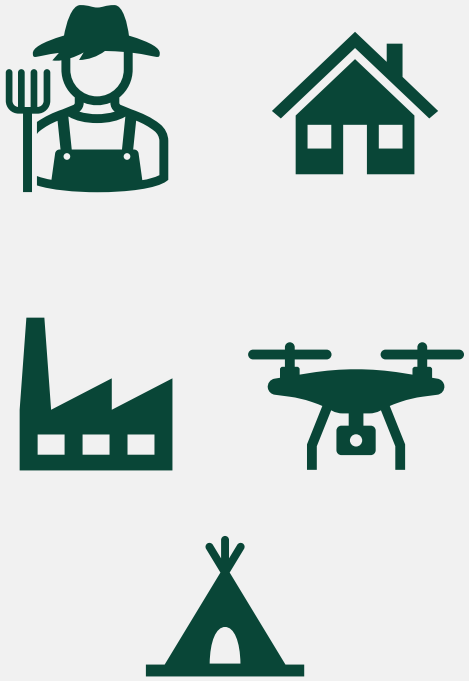
GOVERNO DE PORTUGAL

PROTEÇÃO CIVIL · AUTORIDADE NACIONAL ·

GOBIERNO DE ESPAÑA

PROTECCION CIVIL ESPAÑA

Private



Scalable on a Global Level

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Team

Team

Amaro Martins
MA
CEO

Project Manager & Innovation
Financing
Human Resources Management
Marketing & Communication

Henrique Bastos
MSc
CEO

Research and Pipeline Development

Laboratory Testing and Product Development

Dr. Catarina Pinho
R&D Director

PhD in Material Engineering

R&D Planning

Product Development

Élio Fonseca
Chief Production Manager

50 Years Experience;

Production Management
Operations

Amanda Arvizu
Mechanical Engineer

Product Development & Operations

Dr. Sajad Kiani
Scientific Advisor

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Join the Change in Fighting Forest Fires!

hephaesnus.com

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