

# Innovative Danish company specializing in multispectral camouflaging is looking for partners that work with, develop and manufacture graphene

## Summary

Profile type	Company's country	POD reference
<b>Business request</b>	<b>Denmark</b>	<b>BRDK20230421009</b>
Profile status	Type of partnership	Targeted countries
<b>PUBLISHED</b>	<b>Supplier agreement</b> <b>Commercial agreement</b>	<b>• World</b>
Contact Person	Term of validity	Last update
<a href="#">Rita Elste - Tomsone</a>	<b>21 Apr 2023</b> <b>20 Apr 2024</b>	<b>21 Apr 2023</b>

## General Information

### Short summary

A Danish company developing a nanostructured multispectral camouflaging foil for armored vehicles and beyond is seeking a high-tech development SME based in the EU to join a European Defence Fund call, with the scope of combining their low-wavelength technology with a graphene long-wavelength adsorption technology. The co-development naturally entails a post-project supplier/manufacturing agreement.

### Full description

The Danish based SME is developing a disruptive dynamic approach to multispectral camouflaging. The nanostructures in the camouflaging foil allow for control of light from UV to FIR wavelengths, but radar shielding is desirable for which 2D materials such as graphene has shown great potential.

In order to achieve the set ambitions, the company has decided to apply for The European Defense Fund (EDF) Open-SME-Call in November 2023, for a grant amount of 3 million Euros. Right now the consortium consists of the Danish company and a French SME, the latter focusing on the actual testing of the product in military vehicle armory. The last piece in the puzzle is to find a partner to join the consortium. This should be a EU based co-development partner with expertise in innovation development for novel high-tech 2D graphene products and the radar response properties of this.

### Advantages and innovations

The low-cost nanostructured multispectral camouflaging foil for armored vehicles, can be applied as stickers or tape. It comes in any color and pattern and can be cut to fit any object shape or surface, installed, repaired and replaced on-site.

Static camouflaging solutions can not be installed, adjusted, repaired and replaced on site. They are expensive and heavy and their multispectral camouflaging properties are based on technologies which are not easily adjusted to countermeasure the fast pace at which new sensor technologies emerges.

With the new product, there will be unforeseen degree of control with the nanostructure dimensions which are responsible for the wavelength selectivity of the foil. Not least, with a projected low-production cost, it will always be possible to upgrade for the newest version.

### Technical specification or expertise sought

The potential partner should be a EU based SME with a vast expertise within innovation development for high-tech 2D graphene products.

### Stage of development

**Under development**

IPR Status

**Secret know-how**

### Sustainable Development goals

• **Not relevant**

## Partner Sought

### Expected role of the partner

Co-development for merging graphene radar-shielding properties with DECPTs visually and thermally shielding camouflage foil as part of a partnership in a European Defence Fund project.

### Type of partnership

**Supplier agreement**

**Commercial agreement**

### Type and size of the partner

• **SME 11-49**

• **SME 50 - 249**

• **SME <=10**

## Dissemination

Technology keywords

- **02007021 - Carbon nanotubes**

Market keywords

- **06001006 - Chemicals and materials**

Targeted countries

- **World**

Sector groups involved