

White paper

# Decarbonised Solutions

Together we move closer to net zero.



# Executive Summary

Decarbonising the shipping and logistics sector presents significant challenges, such as complex shifts in technology & operating models, high costs, and a lack of industry standards.

However, it's a necessary transition; with clear opportunities for real change.

That's why we created Decarbonised Solutions.

With Decarbonised Solutions we help you achieve CO<sub>2</sub>e emissions reductions through certified insetting in our transport network. Your Scope 3 emissions reductions are monitored and you can follow it real-time, plus, we provide you with a CO<sub>2</sub>e Reduction Certificate for easy & credible reporting.

Through collaboration with our partners we are constantly researching new strategies to keep us moving towards our collective goal: becoming a net-zero logistics industry.

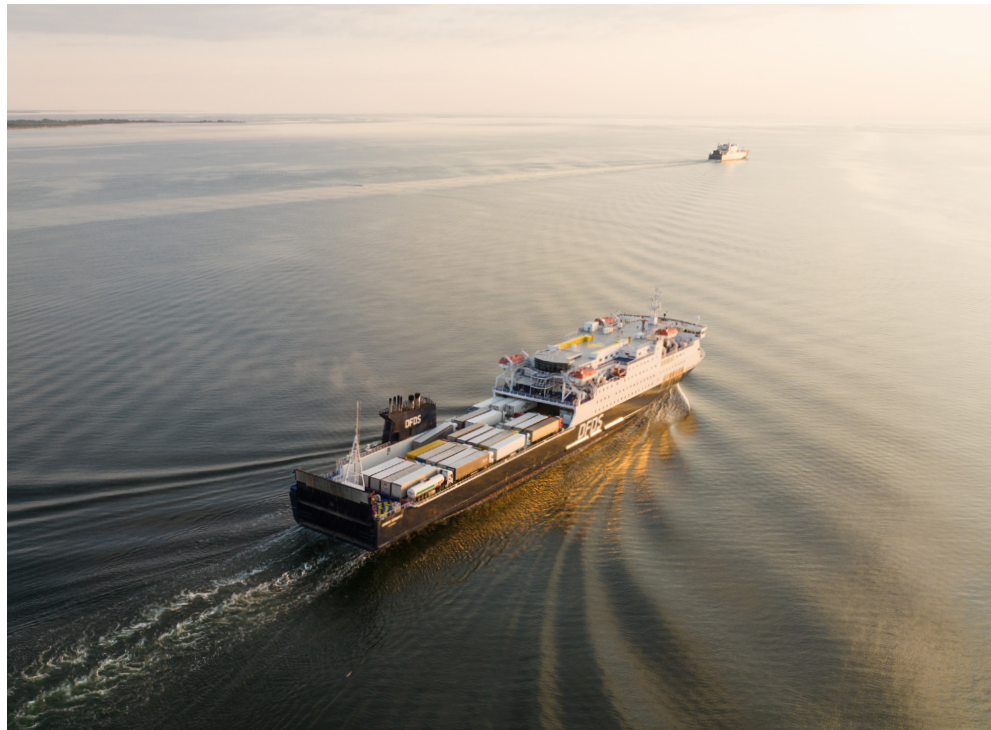


## Looking for trustworthy climate reductions?

Using biofuels and electrification, we generate emissions reductions in our own transportation network, so you can reduce your Scope 3 CO<sub>2</sub>e and receive a CO<sub>2</sub>e Reduction Certificate for your climate action reporting.



# Table of contents



1. Introduction	4
2. Reduce with our Decarbonised Solutions	5-6
3. Case: Reducing with OneMed	7
4. Future solutions	8
5. How to get started	9
6. About DFDS	10



# 1. Introduction

Decarbonising essential sectors such as the shipping and logistics sector is a complex task.

However, as governments implement stringent regulations to reduce GHG emissions (such as ETS<sup>1</sup>, FuelEU Maritime regulations, local taxation schemes), companies are seeing opportunities to be decarbonisation first movers; setting new industry standards and making a real difference for our planet.

At DFDS, we engage with authorities, universities, suppliers, competitors, and customers to drive political and practical change as we are committed to supporting the transition to a net-zero logistics industry, and enabling customers so we can achieve our climate goals together.

Challenges when transitioning to low and zero GHG<sup>2</sup> fuels include:

New **technology & operating models** are required

Necessary **substantial investments** pose short-term barriers for suppliers and customers

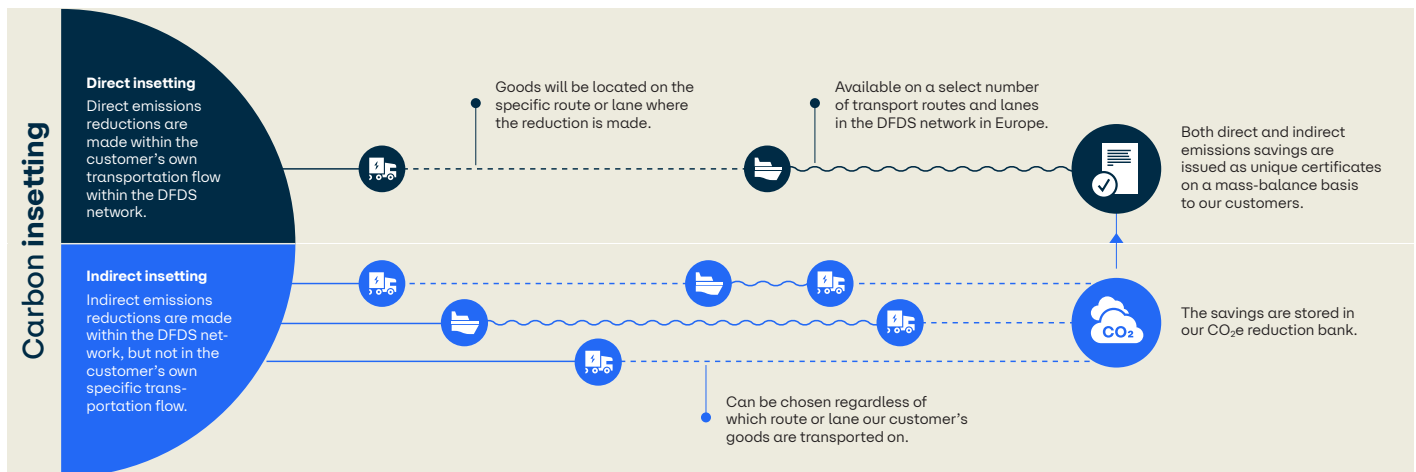
It's **complex to monitor & manage Scope 3 emissions** throughout the customers' entire supply chain

Clear **industry-wide standards & demands** are lacking

# 2. Reduce with Decarbonised Solutions

## 2.1 Direct and indirect insetting

Decarbonised Solutions works through insetting. Decarbonisation projects are funded within the sector where the emissions originate, creating measurable reductions. There are two insetting methods:



## 2.2 Decarbonised Solutions: techniques

### Biofuel for vessels

- FAME<sup>3</sup> and other biomass derived fuels.
- 3<sup>rd</sup> party certified biofuel<sup>4</sup> and we have proof of sustainability under the ISCC<sup>5</sup> or equivalent mass balance system to support any emissions-savings claims.
- Only biofuels with wastes, residues and by-products as feedstock are accepted, with preference for advanced biofuels<sup>6</sup>.



### Electricity for trucks

- We have 115 electric trucks active in our network, with 110 more electric trucks on the road by the end of 2025.
- We strive to use exclusively green electricity for our eTrucks and purchase Guarantees of Origin to back our claim<sup>7</sup>.

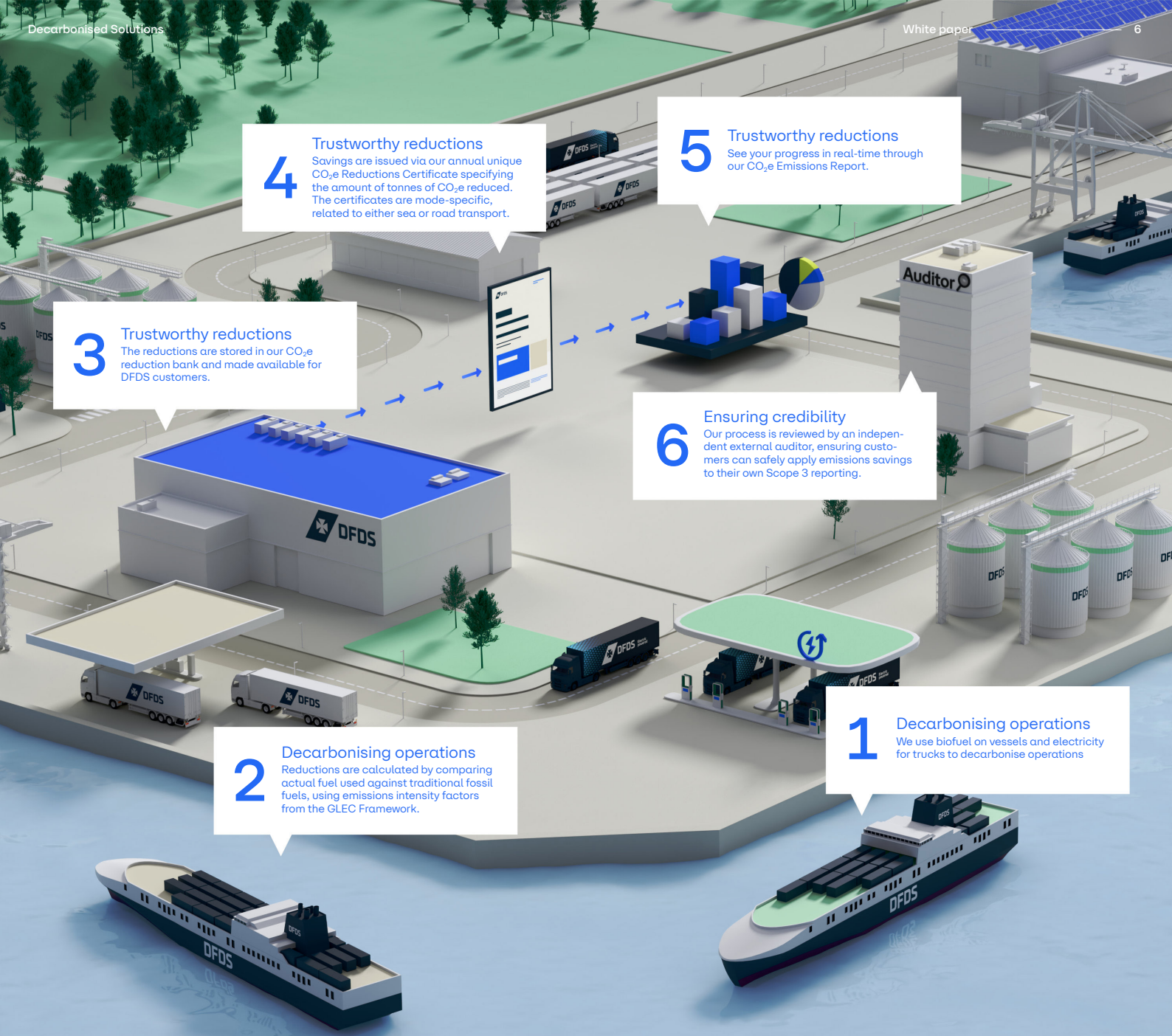


<sup>3</sup>Fatty Acid Methyl Ester <sup>4</sup>That fulfils EU's sustainability criteria: at least 65% Well-to-Wake GHG savings <sup>5</sup>International Sustainability and Carbon Certification

<sup>6</sup>As per the Annex IX of the EU Renewable Energy Directive II (2018/2001) – i.e. Forestry waste and residues must originate from FSC certified forest or equivalent

<sup>7</sup>Or we partner with public charging providers who follow the same approach





### 2.3 Climate reporting made simple and credible

With Decarbonised Solutions you receive a CO<sub>2</sub>e Reductions Certificate, making your commitment tangible, and you can credibly & simply report your reductions.

### 2.4 Track your progress, whenever, wherever

Transparency and data-sharing are the cornerstones of decarbonisation. Throughout the process you have access to our CO<sub>2</sub>e Emissions Report, making your decarbonisation progress visible and sharable in real-time. This allows you to make proactive & data-driven decisions.

# 3. Case: Reducing with OneMed

*“At OneMed, we prioritise sustainable, emission-free solutions throughout our value chain, which is why we’re delighted to have partnered with DFDS.”*

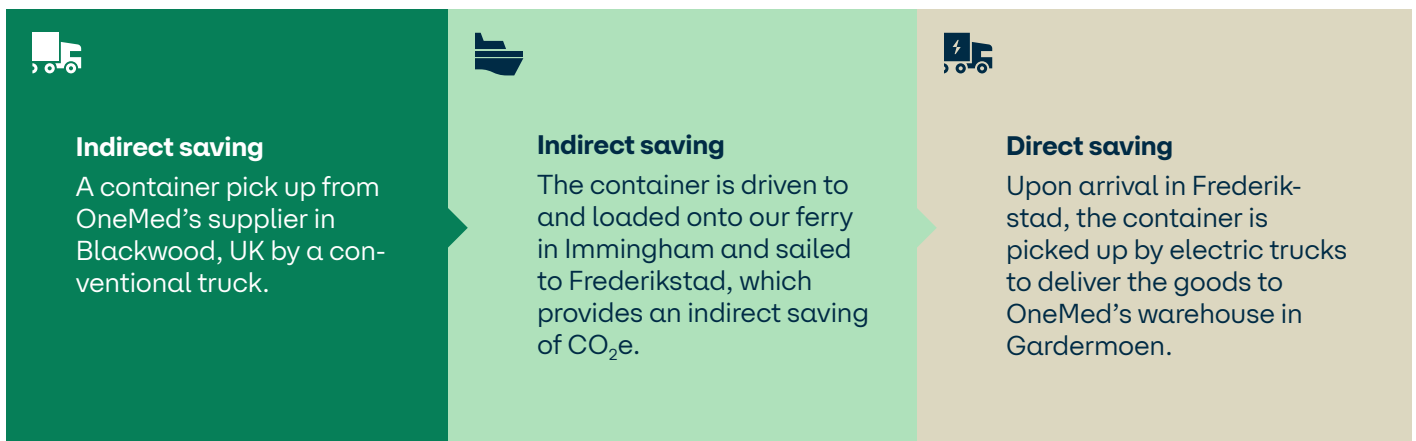
**Børge Iversen, Supply Chain Director, OneMed AS**

## 3.1 Challenge: Container load emissions

Wanting to reduce its impact on the environment, OneMed was seeking a transport supplier that could offer CO<sub>2</sub>e-reduced transportation.

## 3.2 Solution: Decarbonised transport – by sea and road

With Decarbonised Solutions we met OneMed’s demand for reduced CO<sub>2</sub>e impact on route:



## 3.3 Results: Reduced emissions with Decarbonised Solutions

75% anticipated absolute emissions TTW reduction from both indirect CO<sub>2</sub>e savings by sea and direct by road using eTrucks upon arrival in Norway.

Unique CO<sub>2</sub>e Reduction Certificate received to be used to report Scope 3 emissions.



# 4. Future solutions

Decarbonisation is a journey; constantly evolving, with no time to waste. The more we learn, the better we can develop solutions specifically for our customers' needs so they can lead the transition to net zero in their industries.

That's why we are proactive and curious in our approach to research and innovation, and agile in response to new revelations.

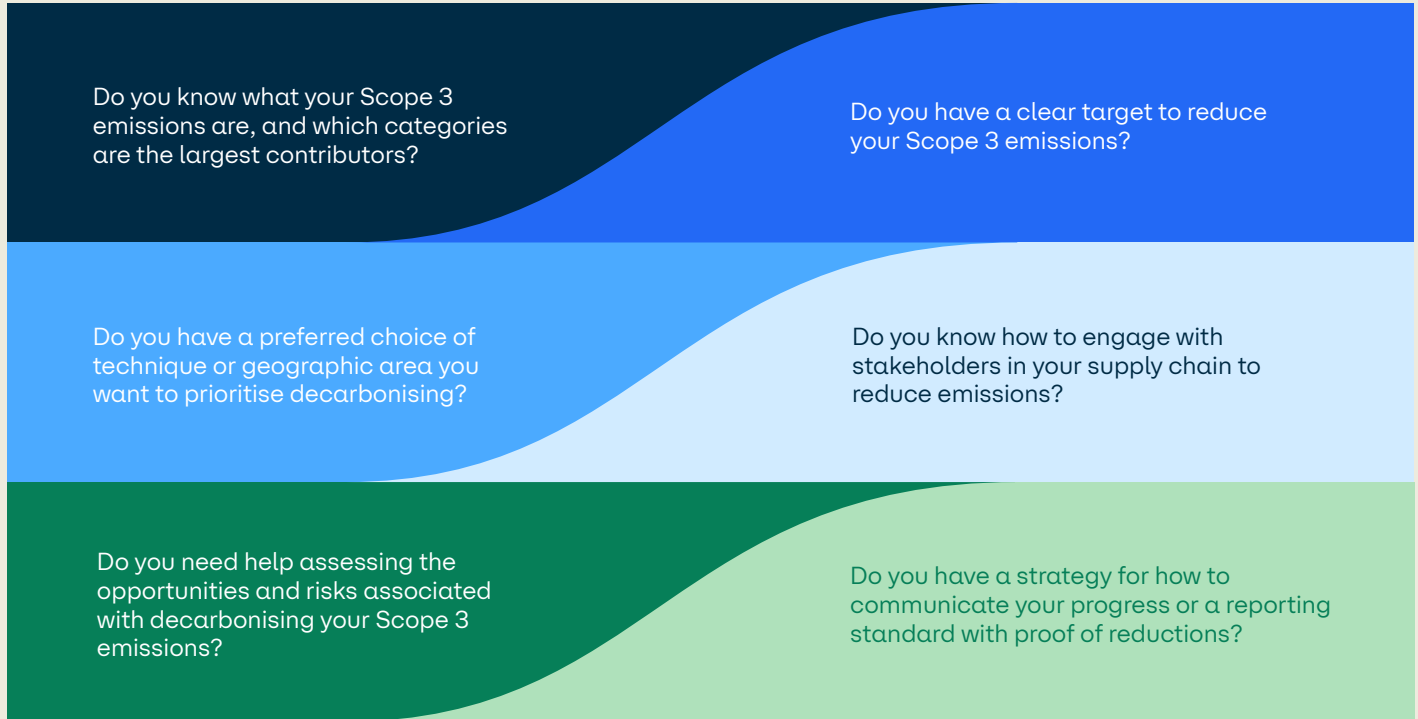
For sea transport we are currently investigating the possibilities of electric vessels and alternative fuels of non-biological origin. By road, we are looking into battery electric vehicles, fuel cell electric vehicles, and hydrogen used in vehicles with internal combustion engines.





# 5. How to get started

If you are in the initial phases of evaluating how to reduce your CO<sub>2</sub>e, the questions below will serve as a good starting point:



Your Scope 3 emissions are our Scope 1 emissions; making us uniquely positioned to collaborate with you in reducing your CO<sub>2</sub>e emissions.

Contact us for a customised proposal on how we can best help you achieve your reduction ambitions.

**Cecilie Brandt Bidstrup**  
**Director, Head of Products**  
[cjako@dfds.com](mailto:cjako@dfds.com)





## 6. About DFDS

Since 1866, we've kept Europe moving, making life easier for businesses like yours. From sea, road, and rail transportation to tailored supply chain we handle it all, connecting +20 countries across Europe, Türkiye, and Morocco. Our captains, truck drivers, supply chain specialists, we're all working to turn your challenges into opportunities & complexity into clarity.

We always find a way.

Onwards.