

MissionGreenFuels Call

Pool 5 – Solutions

Application Deadline: 12 November 2025, at 11:59 AM.

Project duration: Minimum one year. Projects must end no later than May 2030.

Total budget for this call: Approximately 59 million DKK.

About MissionGreenFuels – our partnership and roadmap

MissionGreenFuels is a mission-driven partnership dedicated to accelerating the development and deployment of sustainable green fuels for hard-to-abate sectors, such as shipping and aviation, where direct electrification is insufficient.

With a strong focus on innovation, collaboration, and impact across the green fuel value chain, MissionGreenFuels supports research, development, and demonstration projects that drive technological breakthroughs, improve regulatory frameworks, enhance community engagement, and strengthen Denmark's position as a global frontrunner in sustainable fuel solutions.

By setting a clear direction and fostering collaboration between a wide variety of stakeholders incl. industry leaders, research institutions, and policymakers, MissionGreenFuels aims to contribute to reaching the Danish climate goals. Furthermore, the mission supports Danish research, innovation, growth, job creation, and export potential within the field of green fuels.

With the implementation of green fuels in our energy system, fuels can be produced locally by utilising wind, solar, and bio resources. This will enhance energy security, strengthen resilience, and reduce dependence on fuel import from foreign regions.

What is called for?

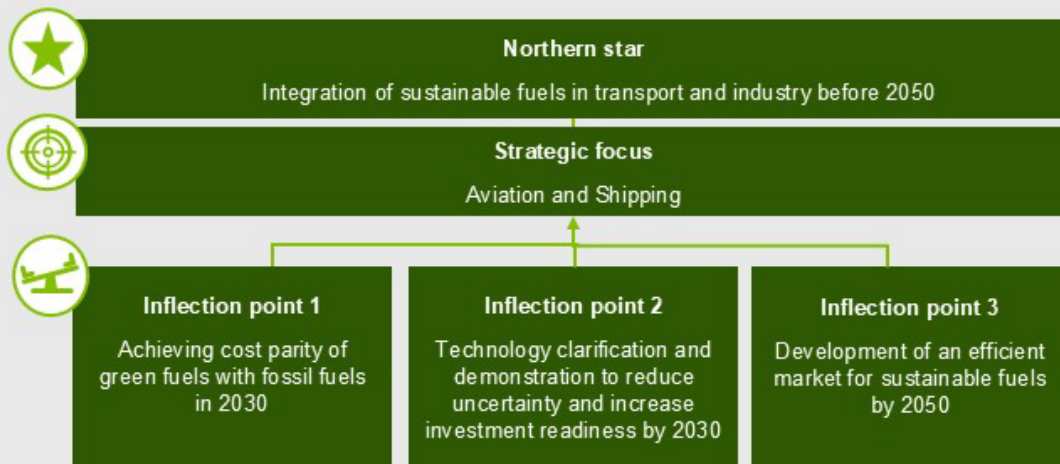
The MissionGreenFuels partnership invests in ambitious, cross-cutting research and innovation projects that can create new, concrete solutions to issues and challenges towards 2030 and 2050. We seek projects that contribute to the overall MissionGreenFuels mission and [roadmap](#).

At MissionGreenFuels, we use a theory of change as a strategic tool to ensure that funded projects do more than develop new technologies – they must create real, long-term value for society, the climate, and the Danish innovation ecosystem.

Throughout the past year the MissionGreenFuels secretariat and Board of Directors, based on the updated roadmap and input from the partnership, have created a mission specific impact framework for MissionGreenFuels:

MissionGreenFuels' Impact Framework

Figure 1: Overview of MissionGreenFuels' Impact Framework, June 2025



The impact framework outlines how MissionGreenFuels works towards its ambitious goal. To support this transformation, the mission focuses on three inflection points that must be achieved to unlock long-term change. By 2030, the focus is on enabling conditions by achieving cost parity with fossil fuels, and increasing technological clarity and investor confidence. By 2050, the focus is on laying the groundwork for a mature and efficient market. These breakthroughs are not endpoints but essential steps toward a future where sustainable fuels become the mainstream choice.

Applicants must clearly demonstrate how it contributes to one or more of the defined inflection points and learning questions.

We expect your proposal to:

- Align clearly with one or more inflection points listed in the call;
- Address one or more central learning questions;
- Describe how you will generate, document, and share insights that help the partnership collectively to move the green fuel agenda forward.

Please read the evaluation criteria for the call before you start writing your application, as this will guide you towards the type of applications and consortia we are looking to support.

Projects under the following two themes can be applied for:

Theme 1: Transformative cost reduction for green fuel production in shipping and aviation by 2030

Learning question: Within the fuel *production* segment of the value chain for shipping and aviation, what optimisation potentials driving achievement of cost parity and demonstration

of pathway scalability, can significantly/dramatically give cost reduction potentials for 2030 and years following?

In 2030, sustainable fuels will still face cost challenges compared to fossil fuels, hindering widespread adoption. Without financial support to bridge the gap, their role in decarbonising key sectors may be constrained, slowing the overall green transition.

By 2030, particularly biofuels and early-stage e-fuels, or combinations hereof, that are currently close to commercial maturity, will play a critical role in reducing emissions in the shipping and aviation sector, leveraging existing infrastructure and feedstocks to meet short-term climate goals.

We look for systemic and value chain-oriented projects that can demonstrate or advance sustainable fuels with potential to deliver significant cost reduction of sustainable fuels for 2030. For biofuels, it's important that they're sustainable, i.e. the bio-feedstocks must align with the EU RED III rules for "advanced" feedstocks & must not include energy crops or crops grown for food.

The theme aims to identify and implement significant optimisation opportunities within the fuel **production** segment of sustainable fuels within an international perspective contributing directly to the theme 1 learning question. The focus will be on significant cost reduction looking at the entire fuel production value chain.

This could be: higher utilisation efficiency improvements and scaling solutions that significantly enhance production economics and deployability towards 2030. Key areas include electrolysis, synthesis pathways, process integration, sector coupling, and system efficiencies.

This includes identifying process improvements, energy efficiency gains, and system integration methods that lower costs significantly, improving conversion efficiencies in e.g. hydrogen production or fuel synthesis and connecting sustainable fuel production with existing industries.

A total budget of 50 million DKK is allocated for this theme, and we will invest in two to three projects with an investment rate of $\leq 70\%$. These projects must be balanced collaborative value chain consortia. Project proposals should include relevant aspects of social science and humanities (SSH), land-use, life-cycle-assessment (LCA), safety, certification, regulation, identification and understanding of end-demands, and synergies to other competing technologies and/or end-products. The proposal must describe how it envisions that their specific technology can compete internationally with existing technologies and create Danish jobs.

Theme 2: Identifying and overcoming barriers to scaling green fuels for shipping and aviation before 2050

Learning question: Across the entire value chain from supply source to customer demand for green fuels for shipping and aviation, what factors/barriers must be addressed so that MissionGreenFuels can direct its future activities towards enabling scaling of the value chain?

Due to the length of investments cycles in the shipping and aviation industries it is imperative that we invest and take action already now to meet the 2050 targets. For instance, newbuild vessels brought into operation in 2030 will also be in operation by 2050. Towards 2050 the effort must focus on turning the proven and scalable fuel pathways into truly scaled fuel pathways that delivers within the established frames entailing standards, regulation, and business.

By understanding the barriers and enabling factors in standards, certification and business frameworks, and regulation and infrastructure that lie ahead of us, we can, in future calls, focus on solving these challenges.

This theme seeks to map, analyse, and address the key enablers and barriers for a fully scalable operational value chain for sustainable fuels in shipping and aviation towards 2050. Unlike theme 1, which focuses on production optimisation, this effort will identify and implement systemic changes needed to activate demand, create trade mechanisms, ensure infrastructure development, and enable certification and regulatory frameworks that drive sustainable and low emission fuel production pathways. The key enabler or barrier is likely also a barrier towards 2030, but the applicant must argue how this is also a relevant in a 2050 context, and how this can be addressed in that context.

A total budget of 10 million DKK is allocated for this theme. We will invest in one to three projects with an investment rate of maximum 75%. For this call we expect projects that can identify real world barriers, enabling factors, and scenarios towards 2050 that MissionGreenFuels can focus on as next steps ensuring that we are ahead and that there is a clear bridge and synergy in the project portfolio.

Who can apply?

Projects should include at least one organisation which is already part of the MissionGreenFuels partnership. Eligible organisations are research institutions or private/public institutions/companies in or outside Denmark, directly involved in the project activities.

Any Danish or international legal entity, directly involved in the project activities, is eligible to apply to participate in and receive funding. The legal entity acting as main applicant must have a Danish CVR (VAT) number.

To receive funding from MissionGreenFuels you must be a partner in the partnership.

Organisations that are not already part of MissionGreenFuels [can request to join here](#).

What and how much can be applied for?

Total budget for this call is approximately 69 million DKK conditioned by sufficient quality within the field of applications. Investment per project ranges from 2.5 to 30 million DKK, see details for each theme.

MissionGreenFuels provides an investment rate of $\leq 70\%$ of the total project cost for theme 1 and a maximum of 75% for theme 2. Applicants must ensure that each project partner follow

the rules for maximum investment rates as detailed in the [Guidelines for Grand Solutions and InnoMission partnerships](#).

The MissionGreenFuels partnership does not accept applications where a successful outcome is dependent on receiving additional funding for further research and development (e.g. projects that involve financing in multiple phases).

Co-financing of salaries and other expenses that are directly linked to the implementation of the project can be included in the budget.

Please make sure to allocate budget for dissemination, communication and cross-project collaboration, or other mission-related activities.

Important dates

Deadline for application: 12 November 2025, at 11:59 AM (noon).

Expected response date: **Late January 2026**

Expected earliest launch date: **Q2, 2026**.

Evaluation criteria

All applications will be evaluated on:

- 1. Strategic fit to the MissionGreenFuels mission and roadmap**
- 2. Quality of the idea – the quality of the research and innovation**
- 3. Impact – value creation during and after the project**
- 4. Quality of execution – the quality of implementation and execution**

A detailed description of these criteria can be found in the assessment criteria document below. Please note that all four criteria have a specific purpose and questions must be addressed in the application. All criteria are crucial for the evaluation and poor evaluation of one criterion alone can decide whether the applicant will receive funding or not.

International peers will evaluate criteria 2–4. Criterion 1, “Strategic fit to the MissionGreenFuels mission and roadmap” will be evaluated by the MissionGreenFuels Board of Directors.

Evaluation process

Applications must be submitted by e-mail to missiongreenfuels.applications@aau.dk. The call opens in August 2024.

Criteria 2–4 will be evaluated by at least two international external experts. Criterion 1 will be evaluated by the MissionGreenFuels Board of Directors.

Before proposals are subjected to review by external experts, the MissionGreenFuels secretariat will ensure that the proposals comply with the formal requirements described in the

call text. Applications which do not comply with the requirements will receive administrative rejection before subjected to external review.

The six applications with the highest total score within each theme from the international peer reviews, will be evaluated by the MissionGreenFuels Board of Directors.

The members of the Board of Directors [can be found here](#). Applicants are asked to indicate whether they see any conflict of interest with any of these.

It is expected that the project applications will receive either invitation for investment negotiations or a rejection of the application in January 2026, after which the investment negotiations can be initiated with an expected project start in Q2 2026.

Application documents

- Application template please save the file as MGF_pool5solutions_[project name]_[name of applicant]
- [Appendix A – Figures, pictures, tables](#)
- [Appendix B – Partner motivation](#)
- [Appendix C – Key persons](#)
- [Appendix D – Gantt template](#)
- [Appendix E – Budget template](#)

Link to relevant documents

- [Process document](#)
- [Assessment criteria](#)
- [Roadmap for MissionGreenFuels](#)
- [InnoMission guidelines 2025](#)
- [MissionGreenFuels Impact Framework](#)

Contact information

Please visit our [Q&A page](#) for overall questions about the calls.

For any further questions, please contact the MissionGreenFuels secretariat at missiongreenfuels@aau.dk.