

Bitumen Beyond Combustion: Seeking Non-combustion Uses for Asphaltenes Derived from Bitumen

An integrated energy company is seeking **novel opportunities to utilize asphaltenes derived from bitumen**. Approaches should provide a **valuable end product** and have a **clear path to scale** to consume large volumes of asphaltenes. **Improvements upon previously identified uses** of asphaltenes are also within scope. The team are open to **all innovative approaches at any stage of development**.



Approaches of Interest:

- Novel **non-combustion uses for asphaltenes**.
- **Improvements upon existing uses for asphaltenes** (carbon fiber, asphalt binder, waterproof concrete, etc.) will also be considered provided that the **benefit over current technologies** is clear.
- **Simpler processes** with fewer processing steps are preferred, but all processes will be considered.
- Approaches should have the potential for **large-scale application**.

Out of Scope:

- Applications that **do not provide distinct advantages** over technologies that are already available.
- Opportunities which are **not cost-effective** or have no clear path to scale.

Developmental Stages of Interest:

- Opportunities at **all stages of development** are of interest.
- **Theoretical applications** will be considered but **should have a clear path to scale**.


Submission Information:

Submission of one-page, 200–300-word briefs is encouraged, along with any optional supplementary information e.g. relevant publications. In submitting to this campaign, you confirm that your submission contains only non-confidential information. Submissions from small and medium-sized enterprises (**SMEs**) **will also be accepted**.

Opportunity for Collaboration:

Our client is open to a range of collaboration opportunities, with the most appropriate outcome being decided on a case-by-case basis. Example outcomes include **research collaborations and pilot opportunities**.

Opportunities sought

-  Spinout companies
-  Research projects
-  Centres of excellence
-  Academics and expertise
-  Technologies

Submissions

Please submit relevant, non-confidential opportunities to **Roisin McNally** at rmcnally@usf.edu

Deadline: **25th November 2024 - 4:59 pm GMT**

Have any questions?

Contact **Roisin McNally** at rmcnally@usf.edu