



# **Strategic Innovation Fund - Decarbonising energy networks, with the aim of creating a net zero power system by 2035 for All-Energy**

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# Strategic Innovation Fund (SIF) – an overview

The Strategic Innovation Fund (SIF) is designed to drive the innovation needed to transform gas and electricity networks for a low-carbon future.

Launched in 2021, SIF is expected to invest £450 million by 2026.



## Vision

- Support Ofgem to facilitate the UK's transition to net zero, at lowest cost to consumer
- Position the UK as the "Silicon Valley" of energy



## Mission

SIF mission has three pillars

- Alignment
- Responsiveness
- Commercialisation



**58**

Round 1 Discovery and Alpha projects funded



**205**

Unique organisations funded



**£12.6m**

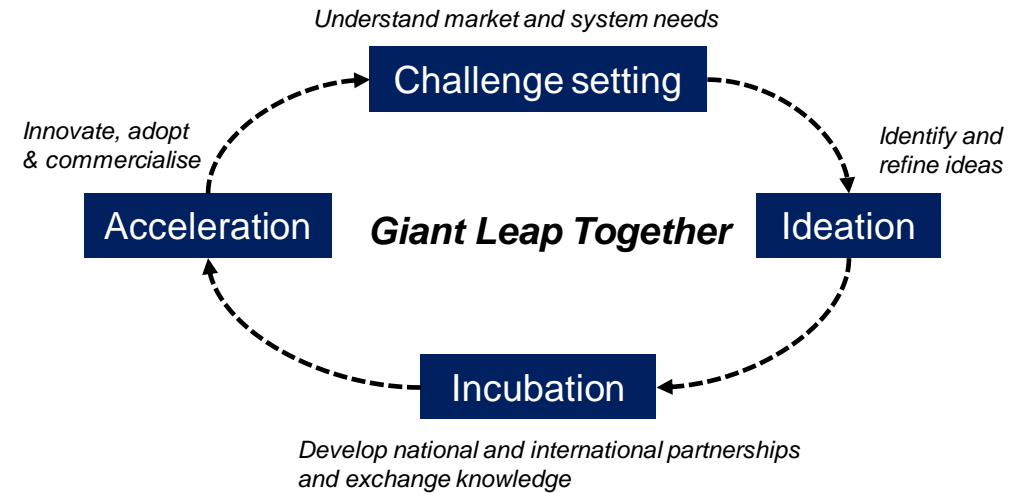
SIF funding allocated to projects



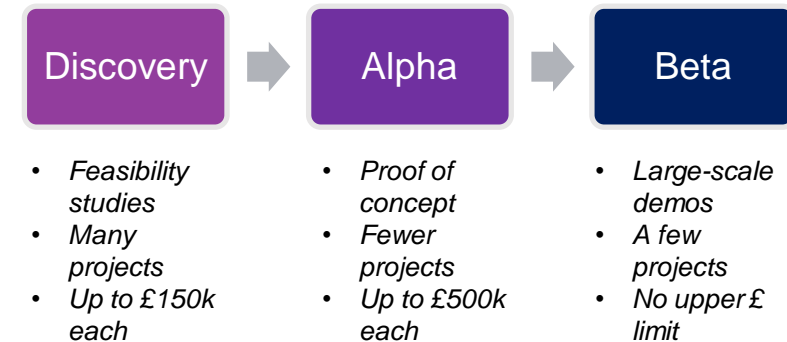
**£2.53m**

Additional contributions from industry

## Responsive and agile delivery structure



## SIF projects pathway, from Discovery to Beta

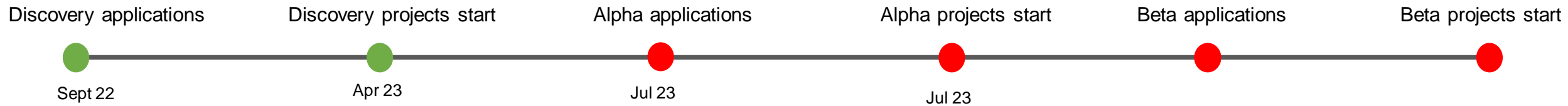


# SIF timelines

## SIF ROUND 1



## SIF ROUND 2



## SIF ROUND 3



# SIF subject matter areas to date

Hydrogen  
Deblending for  
Transport

Hydrogen  
Compression

AI Safety  
Predictions

Digital Twinning

System value of  
energy  
efficiency  
measures

Weather  
prediction and  
extreme event  
response

Gas Leakage  
Detection

Hydrogen for  
Heavy Duty  
Transport

Ancillary  
services from  
offshore wind

Weather  
prediction and  
extreme event  
response

Heat network  
integration

Domestic &  
small non-dom  
flexibility

Hydrogen  
Pipelines

Super  
Conductors

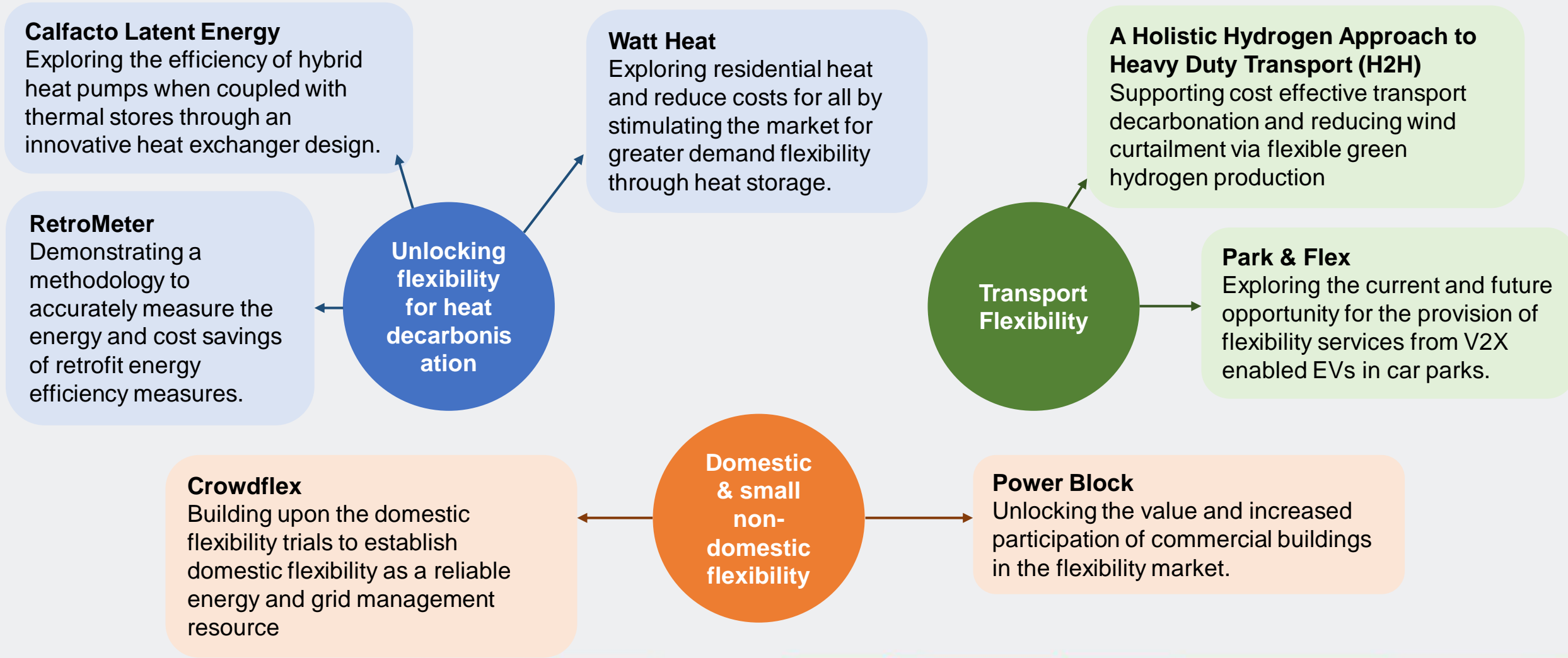
Load  
forecasting and  
regional  
planning

V2X

H2  
transmission  
network  
conversion

Smart Local  
Energy  
Systems

# Examples of on-going SIF projects



# Commercialisation & the Strategic Innovation Fund



DEMONSTRATION  
TO DEPLOYMENT-  
AT-SCALE



INTERNATIONAL  
COLLABORATIONS



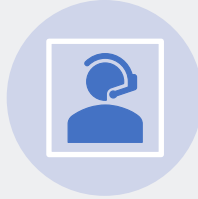
GROWTH FINANCE  
& INVESTMENT



REGULATORY  
ENGAGEMENT



ECOSYSTEM  
ALIGNMENT



FINANCIAL  
READINESS



BUSINESS  
SUPPORT &  
ADVICE



INNOVATOR  
FORUM

# How can you get involved?

## Round 1 Beta

By June/July the outcomes of Beta applications will be confirmed.

Some of the Beta Projects will issue call for suppliers to support their demonstration

If this is of interest, you can respond directly to the Project lead for consideration

## Round 2 Alpha

In July, the Projects are encouraged to have conversations with third parties to develop potential collaborations for Alpha phase.

Do have a look at the project overview published and get in touch with us to help connect up with the Project leads

[Discovery Round 2 Projects](#)

## Round 3 Discovery

We are in the challenge setting phase now and will publish the challenges for round 3 in w/c 22 May

We will run an online launch event, followed by an expression for ideas process and a series of introduction to the network webinar series and ideation workshops to support project development.

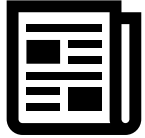
We have conversations with innovators on their ideas on an on-going basis and provide any feedback we can. If you are working on an idea with energy network relevance, do get in touch!



# Stay in touch



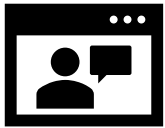
For more information about the Strategic Innovation Fund visit [www.ofgem.gov.uk/sif](http://www.ofgem.gov.uk/sif)



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Read our blogs: [https://medium.com/@InnovateUK\\_Ofgem\\_SIF](https://medium.com/@InnovateUK_Ofgem_SIF)



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Check out the 60 second videos on projects on the Ofgem Strategic Innovation Fund playlist: <https://www.youtube.com/c/InnovateukOrgtsb/playlists>





# Q&A