



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

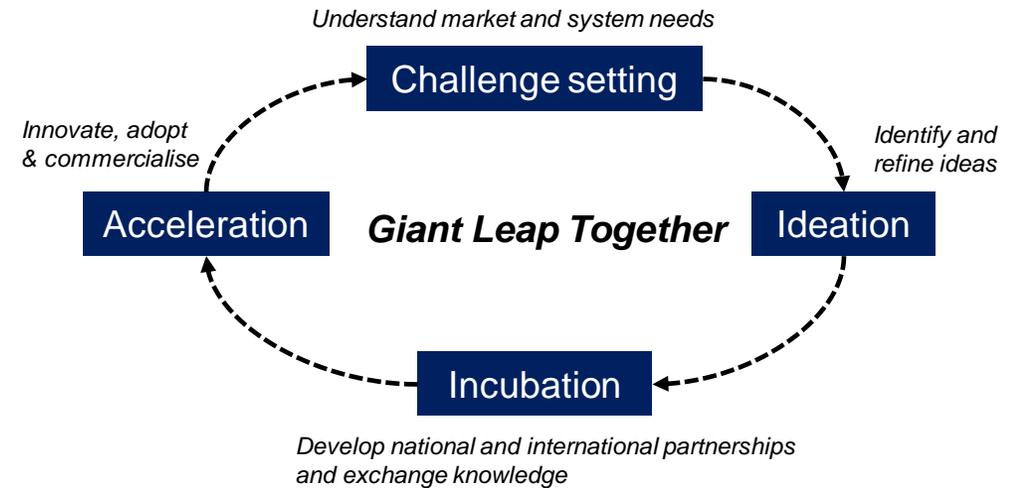
SIF funding allocated to projects



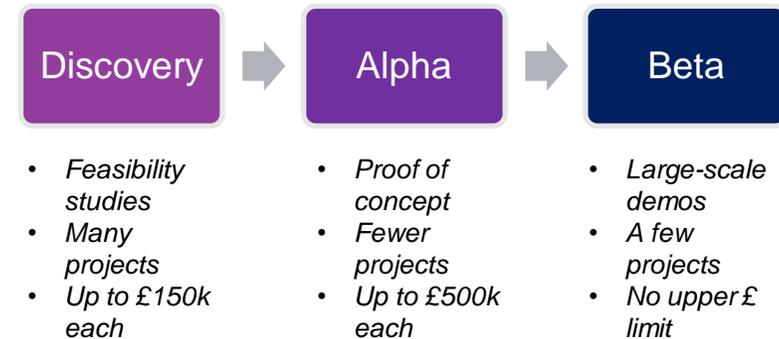
£2.53m

Additional contributions from industry

Responsive and agile delivery structure



SIF projects pathway, from Discovery to Beta

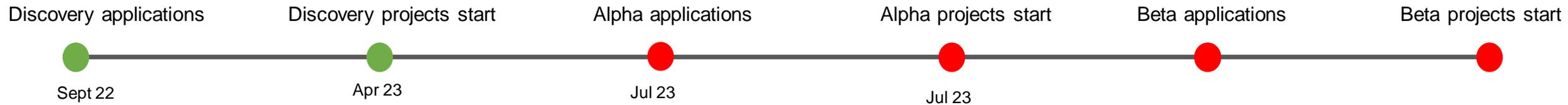


SIF timelines

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

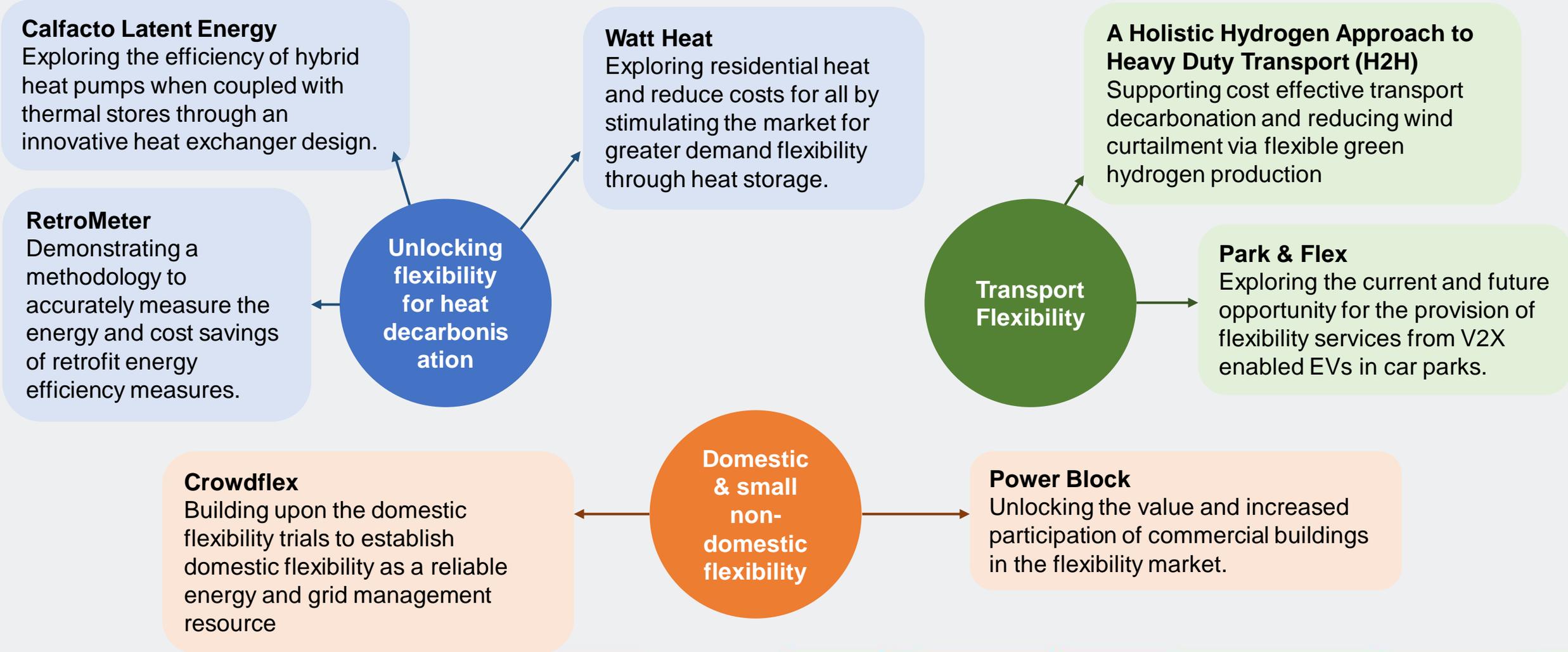
Load
forecasting and
regional
planning

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



Sign up for our newsletter: <https://ukri.innovateuk.org/ofgem-sif-subscription-sign-up>



Read our Annual Report: <https://www.ukri.org/publications/annual-report-delivering-ofgems-strategic-innovation-fund-sif/>



Read our blogs: https://medium.com/@InnovateUK_Ofgem_SIF



Follow the Bright Spark podcast: www.podfollow.com/brightspark



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

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Q&A

