SIF Alpha Round 4 Project Registration

Date of Submission

May 2025

Project Reference Number

10157301

Initial Project Details

Project Title

D2I - Data to Insights (SIF Alpha R4)

Project Contact

fnp.pmo@sse.com

Challenge Area

Faster network development

Strategy Theme

Data and digitalisation

Lead Sector

Electricity Distribution

Other Related Sectors

Electricity Distribution

Project Start Date

01/06/2025

Project Duration (Months)

6

Lead Funding Licensee

SSEN - Scottish Hydro Electric Power Distribution Plc

Funding Licensee(s)

SSEN - Scottish Hydro Electric Power Distribution Plc

Funding Mechanism

SIF Alpha - Round 4

Collaborating Networks

Scottish and Southern Electricity Networks Distribution

Technology Areas

Active Network Management

Modelling

Demand Response

Digital Network

Stakeholder Engagement

Project Summary

The Data-2-Insights Project aims to improve the value and insight customers gain from our Open Data. It will build and test use cases to trigger a step change in the engagement with present and future Energy data.

D2I will also use technology to add value by improving data quality and consistency internally and externally and reduce the cost of providing digital solutions.

It will push the value of data to new levels helping realize our vision of a valuable, efficient, consistent and economically sustainable data ecosystem, delivering a curated service to the end user regardless of their energy data skills.

Add Preceding Project(s)

NIA_SSEN_0050 - Near Real-time Data Access (NeRDA)

NIA_SSEN_0070 - Near Real-time Data Access 2 (NeRDA 2)

Add Third Party Collaborator(s)

University of Strathclyde

ENERGY SYSTEMS CATAPULT LIMITED

CGI IT UK LIMITED

ROADNIGHT TAYLOR LTD

Project Budget

£565,356.00

SIF Funding

£499,820.00

Project Approaches and Desired Outcomes

Animal testing (not scored)

- ○ Yes
- ◉ No

Problem statement

Distribution Network Operators (DNOs), have a key role to play in delivering Net Zero as part of the future energy system. Strong digital capabilities will ensure we play our part; this means being smarter in how we access, make available, use and analyse data and facilitate others' use of our data to drive commercial and societal value.

Critical to this is increasing the discoverability and accessibility of the data we hold, making it easier for users to gain insights and bring innovative market solutions so optimising the electricity system for consumers. Key to this is supporting faster and more efficient connection methods and while our current stakeholder led strategy supports open data provision, it does not extend to supporting data users to create insights to support faster connections.

D2I fits Challenge 1 - faster network development by creating novel methods to support faster and more efficient connection methods using digital innovations. D2I will allow DNOs to go beyond compliance and truly address the underlying needs, as voiced by our customers, by providing trusted accessible data insights to accelerate delivery of Net Zero, improve customer service and reduce overall costs.

Problem

DNOs have been collecting and storing increasing volumes of data from new monitoring devices and smart meters to increase network visibility and provide open data. One of these platforms, NeRDA, looks at 1million data tags and consumes 9.6m data points every 24-hours across monitoring devices in HV and LV substations. Collecting and storing at this volume has cost challenges to the business and the environment and can only be justified if we can increase the probability of valuable use cases being deployed.

Stakeholder engagement during the NeRDA NIA project tells us they are often overwhelmed by the volume of data and lack the skills and knowledge to create insights they need. Faced with many large and often siloed data sets, the user must define their own journey through volumes of data and draw insights to the best of their ability. This leads to a lack of confidence to make decisions on new projects, slows development of new products and services and delays investment in low-carbon technologies.

Below are proposed use cases that data would facilitate, but they require significant knowledge of the data context and advanced skills in data analytics:

- Identifying areas with available capacity fitting your demand profile,
- Identifying opportunities for local capacity trading,
- Providing transparency on local network losses to provide greater carbon transparency.

Alpha project

The D2I project is a straight to Alpha application, building upon SSEN's NeRDA NIA project. Considering existing open DNO data, as well as data held by SSEN such as load forecasts, D2I will understand what users need and explore the best technical platform to provide insights while collecting, analysing and storing data efficiently.

Whilst DNOs are beginning to offer self-service options for simple connections, the D2I project looks to tackle a much broader range of uses cases with a more varied and complex stakeholder group.

Potential users

Users of the D2I platform will include other DNOs offering it as a service to their customers and stakeholders. Additionally, DSO customer personas developed by SSEN are potential users of the D2I solution:

- Commercial business

- Local authority
- Battery storage owner
- Large energy user
- Distributed generation customer
- Aggregator
- Community groups
- Peer to peer traders

D2I will go beyond compliance and enable a step change in the relationship between customers and energy data from DNO/DSOs and the ability of customers to make informed decisions about connections across a range of projects and investment sizes, increase confidence for new Net Zero investments and support planning activities (RESP, LAEP).

Innovation justification

D2I is a straight to Alpha submission addressing Round 4 Challenge 1: greater use of machine learning and AI to optimise energy networks by supporting faster more efficient connections. D2I will provide a step change in engagement with energy data that can be supported through the advances in AI and other digital technologies.

Innovation

This one-of-a-kind approach will evaluate the benefits of applying leading-edge analytical techniques (including Natural Language Processing, Machine Learning, Explainable Artificial Intelligence and Generative Modelling) to carefully interrogate and interpret siloed disparate DNO data sources to present information needed by stakeholders (see appendix). These techniques and technologies will also be applied to the challenge of data that is missing, incomplete or sparse. The key marker of success will be the ease of use, and the low level of technical expertise required to acquire insights.

There are two main innovative aspects:

1. Remove technical barriers to customer insight journeys from DNO data
2. Employ state of the art models to understand how to collect, analyse and store data efficiently

The Alpha project will focus on key elements to inform the future vision of an efficient, consistent and economically sustainable data strategy, that delivers a curated service to the end user regardless of their data skills. Additionally, Alpha will identify use cases to demonstrate the value of the solution and reveal any data governance barriers that might prevent BaU deployment.

Beta will then build and test the technology layer required to return insights from queries (derived from stakeholder engagement), made on a large volume of siloed and sometimes incomplete data. D2I will revolutionize not only the access to data but also increase the value from advanced technology to improve data quality and consistency both internally and externally and reduce the cost of providing digital solutions while improving the customer experience.

Previous Projects

D2I will build on the data currently included in SSENs Open Data Portal and specifically the NeRDA NIA project. We will also consider learning from other projects looking to share network data including the SIF funded Powering Wales Renewably. D2I seeks to build on these by developing the ability of non-industry system stakeholders to understand and derive value from DNOs Open Data projects.

The Energy Systems Catapult report 'A strategy for modern digitalized energy system' and a recent report from the CreDO project, 'Data Sharing Principles, Framework and Architecture' will inform WP2.

SIF Funding

D2I will explore use of new unproven data management and analytical techniques to deliver robust, understandable and accessible insights for consumers from DNOs Open Data portals. SIF funding will serve to de-risk inclusion of leading-edge techniques to improve efficiency and optimize data collection and storage.

Readiness levels and counterfactual

Individual components that will feed into the solution are TRL7-9. The insights engine to bring the data sources together is low but

will be at TRL5 by the end of Alpha. SSEN have experience integrating data platforms, therefore, the IRL will be 5 by the end of Alpha.

By focusing on commercial and integration readiness to ensure fair access to all stakeholders, D2I will demonstrate the direct and wider societal value of providing insights. This will inform decisions on the most appropriate commercial models for deployment to best serve the interests of all consumers.

Currently there is ambiguity around the 'correct' interpretation of data provided, taking time and skill to come to an informed decision. D2I will make it simpler for stakeholders to gain insights from the available data more quickly by using digital technologies to overcome the need for the deep industry skills.

D2I_appendix_Q4.pdf (opens in a new window)
(/application/10157301/form/question/45953/forminput/129146/file/805483/download)

Impact and benefits (not scored)

Financial - future reductions in the cost of operating the network

Financial - cost savings per annum for users of network services

Revenues - improved access to revenues for users of network services

Revenues - creation of new revenue streams

Impacts and benefits description

D2I aims to accelerate and reduce the cost of digitalisation across the energy sector, leading to an acceleration of decarbonisation and increase the deliverability of Net Zero and Clean Power 2030. D2I will remove barriers and provide stakeholders with enhanced access to the insights needed to support their Net Zero strategies and plans by applying leading edge analytical techniques. TheProject will deliver a model that could be adopted by other DNOs.

The pre-innovation baseline considers the cost of SSEN publishing real-time measurement data from all substations within SSEN's licenses. Stakeholders will either require specific expertise or contract specialist engineering consultants to deliver insights from the data.

D2I is designed to deliver both quantitative and qualitative benefits across the range of the listed SIF specific benefits areas. The benefits outlined below will deliver a net benefit to electricity customers both financially and environmentally.

Financial - future reductions in the cost of operating the network:

1. Cost of DNOs gathering and hosting data.

There is significant cost for DNOs to gather and publish data. This data cannot always be effectively used by stakeholders and in some instances is incorrect data. D2I will use data management and analytical techniques to reduce data errors and reduce hosting costs.

2. Reduction in speculative connection requests.

Providing stakeholders with insights is expected to lead to reduced speculative connection requests, therefore, reducing associated costs and improving workflow planning.

3. Enhanced capability to identify network capacity

DNO stakeholders and network planning teams will also benefit gaining the ability to identify capacity in the network for processing connection requests, leading to reduced engineering time required for each connection. Enhanced insights could also identify where in the network overloads are likely to occur preventing any overload related outages.

4.Lowering the cost of procuring flexibility services

D2I will enable innovators to introduce new flexibility services and products to the market creating more competition and reducing

the cost of procuring flexibility services for DNOs.

Financial - cost savings per annum for users of network services:

5.Increased investor confidence

Trusted insights enable investors to reduce uncertainty and improve decision-making processes. By leveraging complex data into easy-to-understand and reliable insights investors will gain a deeper understanding of the network.

6. Reduced needs for specialist consultancies

By providing essential insights, the D2I project will reduce the number of days stakeholders require from consultancy services, bringing further cost savings for users of network services.

Environmental - carbon reduction -- indirect CO2 savings per annum

7. LCT uptake will be accelerated and reach Net Zero faster.

D2I will increase investor confidence and accelerate the connection of low carbon generation and storage so reducing the carbon intensity of electricity and supporting the transition to Clean Power 2030.

Revenues - improved access to revenues for users of network services:

8. New propositions from flexibility service providers

By making data and insights more accessible, D2I will enable Flexibility Service Providers to create new propositions enabling increased adoption of flexibility services. This will unlock network capacity could be used to generate revenues.

9.Improved access to national energy markets

Understanding where there is capacity on the network will enable renewable and storage developers to identify where they will have improved access to national energy markets, balancing mechanism (BM) and fast frequency response (FFS)markets.)

Revenues - creation of new revenue streams

10. Increased investor confidence

Open data contributes to innovation and economic growth, primarily through datasets that directly form part of value-added activities where data is the primary product or service. Businesses and innovators accessing open data can innovate, attract new customers, improve customer experiences and enhance their offering.

Teams and resources

All partners have worked together on previous projects and are committed to providing a step change in engagement with Energy Data. The Project team consists of:

SSEN

As a DNO and lead, SSEN-D will provide an experienced Innovation Project Manager to oversee project delivery and support all work packages. SSEN will lead WP2 looking at the regulatory framework using internal subject matter experts and WP6 along with Energy Systems Catapult (Catapult).

In addition, SSEN-D will provide subject matter experts in:

- legal and policy
- integrating platforms into BaU
- data integration and IT
- finance

Energy Systems Catapult

SSEN have worked with Catapult previously. The Catapult is an independent not-for-profit, that was set up to accelerate the transformation of the UK's energy system and ensure UK businesses and consumers capture the opportunities for clean growth on the way to Net Zero. The Catapult's Energy System Digitialisation team will be partner on D2I with support from AI and Data & Analytics teams and will ensure a consumer first approach. The Catapult will lead the user journeys WP3 employing their previous experience in this areas and support 4, 5 and 6.

CGI

Founded in 1976, CGI is among the largest IT and business consulting services firms in the world. CGI brings decades of experience from the forefront of delivering market change and innovation in the global utilities sector. We have been a leading digital technology partner on numerous innovation projects, including collaborating with SSEN on TRANSITION and NESO on Powering Wales Renewably projects. Our experience in designing, implementing and operating the systems that enable utility data to be discovered and shared effectively positions us uniquely to support successful delivery of SSEN's D2I project and leading WP4.

U of Strathclyde

SSEN and UoS have a long-standing partnership. The Institute for Energy and Environment has extensive expertise on electricity network modelling and operation as well as application of data analytics and machine learning to power system operation, condition monitoring and asset management projects. UoS bring expertise in forecasting, distribution network modelling, machine learning and AI application in power systems.

Roadknight Taylor

Roadknight Taylor (RT) is a consultancy dedicated to grid connections in GB. RT represent a range of stakeholders who access data from energy networks. They will act as stakeholder during Alpha and validate findings from the overall Project.

Subcontracting: OGS operate our open data platform. We require a supplier to help meet our open data functionality.

Project Plans and Milestones

Project management and delivery

D2I project management will be led by SSEN using well-established processes that have been used to deliver SIF projects as well as NIA and NIC. We will use tools provided by UKRI (Risk Register, Project Plan), as well as tools developed internally (Gantt Chart, Project Costs, Finance Tracker) to regularly monitor project performance.

The Project Team will meet weekly to review progress and collaborate, encouraging clear and frequent communication to identify challenges quickly. These Team meetings will be supported by regular Work Package collaborations to stimulate thinking and provide effective performance while developing outputs.

This approach will enable the Project team to monitor across milestones and deliverables' dependencies, ensuring key outcomes complement each other. As shown in the Gantt Chart, all Work Packages have their own distinct targets but support other Work Package deliverables.

WP1 Project management will establish the management frameworks, facilitate effective communication, risk management and monitor progress.
WP2 Regulatory framework will understand the regulatory and legal landscape that underpinning how data is provided to stakeholders.
WP3 will map and document user journeys to understand what stakeholders need from the data and highlight use cases for Beta.
WP4 will understand data needs for the solution and create a PoC visualization.
WP5 considers solution design and implementation. Data efficiency will be considered here.
WP6 will disseminate and validate findings with stakeholders and understand the costs and benefits of the solution.

Main dependencies include:

D2.1, 3.1, 3.2 and 4.1 all feed into D5.1 data requirements and design.
D3.2 reporting on user journeys will feed into the natural language work in WP4.
Many deliverables will feed into D6.3 evaluating costs and benefits and creating a Beta roadmap.
A full list of risks and mitigations identified are available in the PM Book.

Highest impact risks at Alpha are, understandably, about data quality and completeness. These will be mitigated through vigorous data review and ensuring sufficient SSEN resource is available. Other risks are related to the short duration of the Project and the months over which it runs as stakeholders may not be available over the summer period. During the Project, risks will be revisited on a regular basis and the risk register updated.

No regulatory changes will be required for Alpha phase. The Project will, however, as an output of Alpha, deliver a recommendation of any challenges or barriers to Beta phase progress with respect to large scale data use and sharing.

The Project is not expected to impact on customers reliability of supply or have any direct or adverse impact on existing or future energy consumers and their premises during the Alpha Phase.

D2I_PMBook_CBA.xlsx (opens in a new window)
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Key outputs and dissemination

The D2I project has been designed around six Workpackages. Each Workpackage has a set of clear Outcomes and Key Activities, which result in an agreed set of Deliverables.

At the end of Alpha, D2I will:

- understand how data requests sit in the regulatory framework and barriers to Beta
- understand stakeholder journeys using network data/insights
- create a Natural Language Processing proof of concept and a technical proposal
- understand how to collect, analyse and store data efficiently

- roadmap and use cases for Beta
- fuller cost benefit analysis

The Alpha Project will focus on a number of key elements to inform the future vision of an efficient, consistent and economically sustainable data strategy, that delivers a curated service to the end user regardless of their energy data skills and delivered through the optimum medium that can be delivered in the Beta phase.

A named owner has been allocated to lead each package, as well as delivery of individual Key Activity based on their skills, experience and strengths.

Full detail can be viewed in the attached PM book -- please see the Gantt Chart and the Project Plan tab, however, below summarises the Project Structure:

WP1 - Project Management

Lead: SSEN - Distribution

Outcomes

- UKRI Engagement
- Project delivery

Deliverables

- D1.1 Kick-off slides
- D1.2 End of phase slides
- D1.3 Show and tell slides
- D1.4 PM book, IP and risk register

WP2 - Regulatory Framework

Lead: SSEN/CGI

Outcomes

- Understand the current legal and regulatory framework
- Pathways to commercialisation

Deliverables

- D2.1 Classification of available data products
- D2.2 Report on regulatory and legal landscape
- D2.3 Input to Beta roadmap

WP3 - User Journeys

Lead: Catapult

Outcomes

- Stakeholder engagement and insight into previous stakeholder journeys
- Stakeholder user journeys
- Use case development

Deliverables

- D3.1 Summary report
- D3.2 Open data use journey report
- D3.3 Report on use cases

WP4 - Data Needs

Lead: CGI/SSEN

Outcomes

- Define target natural language processing solution
- Build baseline Natural Language Platform (NLP) proof of concept (PoC)
- Align NLP PoC to WP3/5
- Iterate and refine PoC
- Deployment preparation

Deliverables

- D4.1 Scope design document
- D4.2 NLP Alpha PoC
- D4.3 Dashboard of user enquiries
- D4.4 Beta technical proposal
- D4.5 Report for Beta roadmap

WP5 Implementation Plan

Lead: UoS

Outcomes

- Data requirements and supporting design documentation
- Model review and down-selection according to use case
- Examples of down-selected model application

Deliverables

- D5.1 Data requirements mapped against stakeholder needs
- D5.2 Overview of modelling technology needed to return insights
- D5.3 Report and code notebook illustrating modelling technologies used within the insights engine

WP6 - Dissemination and CBA

Lead: SSEN/Catapult

Outcomes

- Dissemination activities
- Value derived from Open Data
- Costs and benefits and Beta roadmap

Deliverables

- D6.1 Reports and workshops to report activities
- D6.2 Value of open data workshops
- D6.3 CBA and Beta roadmap.

We will promote the work using a multi-channel and multi-party approach, depending on the intended audience. Examples include:

- The outputs of these activities will inform our decision to progress to Beta and this knowledge and learning will be disseminated to the SIF community at the end of Alpha Show and Tell.
- Amplification of UKRI, IUK and Ofgem official SIF communications
- Press releases, Energy Innovation Summit, websites and social media

D2I will provide an important tool for network investment planning, faster connections and long-term resilience. D2I will accelerate connections by addressing barriers to the market and will stimulate uptake by injecting fresh approaches and processes. Post Beta, D2I will be rolled out across all GB DNOs to the benefit of all consumers.

Commercials

Intellectual Property Rights (IPR), procurement and contracting (not scored)

To ensure clarity is provided to the Project partners, UKRI and Ofgem regarding the intellectual property (IP) landscape, the Project is using an IP register to track the Background IP provided to the Project, the Foreground IP the Project generates, and the use and access rights to all this IP.

The main contract governing the Project (the Collaboration Agreement) will include detailed, mutually agreed terms governing IP that are in line with the SIF Governance Document. For the Discovery Phase, all the IPR arrangements will follow the default recommendations of Chapter 9 SIF Governance Document.

Commercialisation, route to market and business as usual

Increased access to robust, reliable, relevant and timely network data is key to the delivery of Net Zero. D2I will enable better co-ordination across the energy system helping stakeholders make informed decisions. This will bring value to SSEN, their customers and stakeholders by enabling informed decisions about connections across a range of project and investment sizes, increase confidence for new Net Zero investments and support planning activities (RESP, LAEP).

The key benefit of the D2I innovation will be realised by integrating the final solution into BaU. D2I is envisaged as an expansion of SSEN's existing open data portals where stakeholder will access insights in answer to questions posed in a natural language. D2I will be offered as a service that other DNOs can make available to their customers and stakeholders.

Digitalisation is a cost borne by network operators that unlocks benefits across the energy system. As a BaU solution, D2I is expected to increase network infrastructure and asset investor confidence. This will be achieved by enabling optimisation of investment and operational decisions by providing visibility and insights. D2I will comply with regulatory obligations around data access, with costs to provide this level of service covered by the ED3 mechanism, making it free at point of access to users.

Route to market options
The D2I Alpha Project will develop a pathway to commercialisation considering the target market, deployment options and business models. D2I will be an enhancement of SSEN's existing Open Data portal and designed to be interoperable to allow platform providers to continue innovating.

Business as Usual
The D2I platform will be accessible to SSEN stakeholders through a login interface. It will integrate the latest AI and Machine Learning developments to provide a best-in-class user experience. At BaU the D2I platform will ensure a fast, seamless, and secure interface for users, while being cost-effective through the use of leading-edge technologies and tool sets. Additionally, D2I will sit with business change who will promote the use of the platform across the SSEN business and with stakeholders.

Commercialisation
D2I builds on SSENs existing Open Data Portals, specifically NeRDA, a commercially ready tool funded through NIA. However, the use of new unproven data management and analytical techniques are unproven. Their commercial readiness will be developed through Alpha and Beta to enable BaU deployment.

Currently a low proportion of customers and stakeholders access open data portals and
costs for providing these services are socialised across all SSEN customers. Understanding the value derived from open data, and how this value is apportioned across SSEN's customer base will provide evidence for how data portals should be funded. D2I will explore alternative commercial models to fund D2I's enhanced service, above and beyond SSEN's regulatory requirements. Options include subscription services, pay for use, and pricing tiers. The commercialisation strategy will be further developed during the later Beta phase.

The Project will work closely with key stakeholders including Ofgem to ensure the commercial model both addresses the barriers to innovative services being developed by stakeholders, and benefits consumers in terms of the overall costs that are passed through to their bills. This work with Ofgem could be published as a Trust Framework setting clear rules for creating a good data service, enabling innovation whilst setting the minimum standard and guard rails.

Involvement of a senior sponsor

The Project is sponsored by the Distribution System Operations Director at SSEN. SSEN will provide project direction, data sets from which insights will be created and knowledge to enable the D2I project to deliver high quality innovation.

Policy, standards and regulations (not scored)

D2I will use currently disjointed data to answer questions posed by stakeholders. While there may be, not insurmountable, barriers around data, the Project team views the Clean Power 2030 commitment as an impetus to address and overcome identified barriers.

The Project team have identified a number of operational challenges that we aim to address during Alpha.

The policy and legal context will be a core focus for D2I. In order for D2I to proceed to business as usual (BaU), some operational process will need to be considered including the legal framework to allow data sharing and insights and commercialization. Particular areas of the legal framework that will explore include:

- National Protection Security Authority (NPSA) data classification.
- existing data sharing licenses
- structure of contracts

D2I will carry out a comprehensive literature review of current processes in WP2.This will be used to understand any barriers that require further investigation and change in order for D2I to progress to Beta and eventually BaU.

WP2 will look to other sectors where data sharing has been successful. Tools and processes for the successful sharing of insights will be explored including trust frameworks.

The SIF funded CReDo project has produced a report 'Data sharing principles, framework and architecture' that will inform WP2. We will also follow the NIA funded Virtual energy system data sharing infrastructure project lead by NESO.

From a workshop with Ofgem in Dec and the Market Facilitator Policy Framework consultation, the way Ofgem are framing their digitalisation priorities for ED3 is as follows:

1. Continue to embed Data Best Practices (DBP) into licensees
2. Consumer Consent Solution
3. Data Sharing Infrastructure (DSI)
4. Smart Secure Electricity System (SSES)
5. Address market barriers through asset visibility (cf Flex, Flexibility Market Asset Registration (FMAR) / Automatic Asset Registration (AAR))

The potential barrier that arises from Ofgem's priorities is coordination between initiatives and potential for inter-dependencies on delivery &/or stranding some investment due the need to move at pace and synergies between programmes not being leverageable due to mismatched delivery schedules.

Using leading-edge technology including AI and neural networks also bring their challenges. Technical challenges may arise from ever evolving standards and frameworks to support the ethical use of AI. The Project team will follow best practice as well as both national and international standards as set out by Ofgem in their 'AI in the energy sector guidance' and continue to follow relevant standards under development.

D2I will not require any derogations in the Alpha or Beta stages of the Project.

Value for money

We are requesting £499,820 of SIF funding. SIF funding requested is as follows:

SSEN - Distribution:

- Full Cost: £101,482
- Funding: £91,334
- Contribution £10,148 (10%)

Catapult:

- Full Cost: £118,678
- Funding: £106,810
- Contribution £11,868 (10%)

CGI:

- Full Cost: £193,809
- Funding: £165,429
- Contribution £28,380 (15%)

University of Strathclyde:

- Full Cost: £108,937
- Funding: £98,042
- Contribution £10,895 (10%)

Roadknight Taylor:

- Full Cost: £42,450
- Funding: £38,205
- Contribution £4,245 (10%)

Funding is expected to be allocated to deliverables and work packages in the following way:

- **WP1 Project Management:** Funding £47,826 (9.6% of total)
- **WP2 Regulatory Framework:** Funding £54,187 (10.9% of total)
- **WP3 User Journeys:** Funding £119,829 (24% of total)
- **WP4 Data Needs:** Funding £117,130 (23.4% of total)
- **WP5 Implementation Plan:** Funding £106,719 (21.3% of total)
- **WP6 Dissemination and CBA:** Funding £54,129 (10.8% of total)

Value for money

The spread of costs across project participants is proportional to the work they will deliver. Rates are competitive and consistent with previous SIF projects.
SSEN have carefully considered partner selection and have partnered with The Energy Catapult, CGI, University of Strathclyde and Roadknight Taylor and deem that all possess expertise essential to the success of the Project. SSEN have benchmarked CGI's costs to comparative consultancies and are satisfied that the rates provided are appropriate. Skills CGI are bringing are not available within SSEN.

Specifically:

- Expertise in distribution network modelling specifically using the Common Information Model
- Experience on the application of natural language with energy data sets

OGS or other subcontractor will be engaged to operate our Open Data platform. We require a supplier to help meet our Open Data functionality specifically providing real-time network data within a Common Information Model framework.

Associated Innovation Projects

- (●) Yes (please remember to upload all required documentation)
- ( ) No (please upload your approved ANIP form as an appendix)

Supporting documents

File Upload

SIF Alpha Round 4 Project Registration 2025-05-23 3_31 - 89.5 KB

Documents uploaded where applicable?

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