CareTech Challenge
Application Guidelines

NOTE: These application guidelines may be updated or enhanced during the application window to provide additional information. Only one version of the guidelines will be available on the website so please ensure you have the most recent version.

CareTech

Introduction

The CareTech challenge is Impact Jersey's second Grant Programme, designed to help the Island's ageing population live independently through the use of technology. The challenge seeks applicants capable of deploying tech-driven solutions that enhance the health, independence, and safety of elderly people in Jersey, thereby alleviating pressures on the island's health and care system.

Over the next 20 years, the number of islanders aged over 65 is projected to increase by a third, while the population of those over 85 is expected to nearly double. In its current state, Jersey's healthcare system will struggle to manage the increased costs and pressures associated with this demographic shift. CareTech aims to address these challenges by presenting an open call for proposals that offer practical, scalable solutions to support our ageing population.

These application guidelines are designed to provide applicants with a comprehensive understanding of how to successfully submit their ideas to the CareTech Challenge. Throughout this document, we will outline our objectives for CareTech, the characteristics we are seeking in potential solutions, and provide information about the application process and judging criteria.

Overview:

Applications are open from 7th June to midnight on 30th August and are available to both on-island and off-island applicants. This is to encourage the world's brightest innovators to bring their solutions to the island and collaborate with local tech providers, entrepreneurs and care organisations who understand the needs of islanders.

With a total grant budget of £2 million for this challenge, applicants are invited to submit their applications for tech solutions that encourage a proactive approach to improving the lives of older people and carers in Jersey.

Objectives:

The CareTech challenge offers an opportunity to showcase how technology can enhance the independence and overall quality of life for the elderly, enabling them to live safely and comfortably in their own homes whilst also alleviating pressure on Jersey's healthcare system.

Our objectives for the CareTech challenge are:

- **Help people remain active, productive and independent:** Promoting activity and independence helps improve the quality of life for older adults, reduces the need for care interventions, and enables them to contribute to the community for longer.
- **Increase the social connectedness of older people**: Social connectedness is vital for mental health and emotional well-being. Reducing isolation by fostering connections with family, friends, and the community can lower the risks of depression and cognitive decline, thereby enhancing overall health outcomes.
- **Encourage a transition from reactive to preventative care through technology:** Shifting to preventative care helps manage health issues before they become severe, reducing the burden on healthcare systems and improving the longevity and quality of life for the elderly.
- **Raise awareness among islanders of the challenges faced by older people:** Raising awareness builds a more inclusive and supportive society, leading to better community planning and resources dedicated to the needs of the ageing population

Phases of The CareTech Challenge:

Phase 1 - Application window (7th June – 30th August): The application window will be open from 7th June 2024 to midnight on 30th August 2024. Applications will not be accepted after this date.

Phase 2 – Shortlisting and interviews (2nd September – 31st October): Applications will be reviewed, and judges will agree a shortlist of applicants to take forward to the interview process.

Phase 3 – Winners announced (November – December): The winning applications will be announced during November and December. Grant agreements will be

issued for applicant review and approval. Following approval, funding award will commence as per the terms of the grant agreement.

Phase 4 – Project delivery (January 2025 – December 2027): Projects are required to commence within 3 months of funding award and must complete within 12 to 36 months. During the project delivery phase, there will be staged assessments of project progress as aligned to delivery milestones and grant payment terms. This will all be set out in the grant agreement.

Applicant Eligibility:

Eligibility Criteria	
• **Projects must have technology-centric solutions.**	Demonstrate how the project places tech-driven approaches at its core to help elderly people live independently for longer.
• **The lead applicant can only lead one application per programme.**	Applicants can be involved in more than one application at a time but can only be classed as the lead applicant for one application.
• **Applicants must intend to use the results of their work to create an impact in Jersey.**	Demonstrate how the project will be deployed and delivered in Jersey to benefit carers and the people they care for.
• **Applicants must be able to commence the proposed project within three months of receiving the award and spend the funds within 12 - 36 months.**	Demonstrate how quickly your project can mobilise and how the funds will be spent within the 12 –36 months.
• **Applicants should also be aware that under current restrictions, this programme will not fund any procurement, commercial, business development, or supply chain activity under sanctions such as Russia or Belarusian entities.** **Furthermore, as sanctions guidance evolves, this Programme will adapt its funding restrictions to align with the latest legal and regulatory developments.**	No funding will be provided to organisations that are under sanctions, or organisations whose project supply chains include entities or individuals under sanctions. See Sanctions designations lists – Jersey Financial Services Commission (jerseyfsc.org) for more information.

Judging Criteria:

Applications will be assessed by a panel of independent judges, appointed by Digital Jersey. The Judges will make recommendations of projects to fund to the Impact Jersey Steering Committee. The Steering Committee will then review these recommendations and approve successful applications (subject to completion of due diligence requirements).

All applications will need to demonstrate the following:

1. The Solution and innovation (25%)

- Quality of tech solution and the innovation it brings
- Potential Impact on target market
- Will it target older people, and does it aid independent living?

2. Stakeholder Engagement (10%)

- Is the proposed solution being deployed in Jersey collaboratively?
- Has the applicant demonstrated stakeholder buy-in? If so, how?

3. Project Delivery (45%)

a) Project Plan and Timeline (20%)

- Does the applicant detail a clear roadmap for deployment of the solution, including key milestones, deliverables and deadlines?

b) Leadership and Experience (10%)

- Does the applicant demonstrate the leadership structure and operational experience to deliver a successful project?
- Has the solution been deployed successfully in other jurisdictions?

c) Resource Management (15%)

- Do financial resources seem well detailed and appropriate?
- Does the application include plans for scaling and maintaining the solution beyond the initial funding period?
- Have the grant stage payments requested been clearly set out and explained, aligned to appropriate delivery milestones?

4. Impact and benefits (20%)

- Does the application demonstrate appropriate levels of benefits and scale?
- Will the benefits be delivered in the 12 – 36-month window?
- Does the application demonstrate how the benefits will be measured?

Technology Readiness Levels (TRL)

TRLs are a measurement system used to assess the maturity level of a particular technology. While TRLs will not be a judging criterion, the CareTech challenge is ideally seeking projects within the Technology Readiness Level (TRL) range of 7-9, where solutions have already been proven and implemented in other jurisdictions, rather than experimental stage projects.

Projects in the lower TRL zones will still be considered, but increased focus will be drawn to the solution's associated risk levels, the amount of funding required, and the overall quality and potential impact of the proposed solution. Expressing which TRL zone your project is in is a crucial part of the application. For applicants whose tech solutions are currently in zones 1-6, stating how you plan to accelerate your tech through the TRLs during the project's 12–36-month delivery window will be vital.

TRL	Description
TRL 1	The initial stages of scientific research are underway, with findings positioned to inform future research and development.
TRL 2	Initial findings are being translated into practical applications. This marks an early development phase where no proof of concept for the technology has been established.
TRL 3	This is the Proof-of-Concept stage, where active research and development activities are initiated. This phase involves conducting analytical and laboratory studies to validate the feasibility of the proposed technology.
TRL 4	Basic technological components are integrated to establish their compatibility and functionality, albeit at a relatively 'low fidelity' stage in a lab environment.
TRL 5	The fidelity of the technology increases significantly at this stage. Basic technological components are integrated with reasonably realistic supporting elements to facilitate testing in a simulated environment.
TRL 6	A representative model or prototype, which closely resembles the desired configuration and is significantly more advanced than at TRL 5, is tested in a relevant simulated operational environment or laboratory, marking a major step up in the technology's demonstrated readiness.
TRL 7	A prototype at the planned operational level is ready for demonstration in an operational environment, including activities such as prototype field testing.
TRL 8	The technology has been proven to work in its final form and under expected conditions. Activities include developmental testing and evaluating whether it meets operational requirements.
TRL 9	The technology is applied in its final form under real-life conditions, as encountered in operational tests and evaluations. Activities include using the innovation in actual operational settings.

Project Scope:

The CareTech Challenge is intentionally open-ended, allowing for a wide range of solutions. However, entrants must demonstrate that their solutions can make a meaningful difference to the lives of those most affected by long-term health conditions in Jersey. Projects should align with the core objectives of CareTech: helping people remain active, productive, and independent; increasing the social connectedness of Jersey's ageing population; encouraging a transition from reactive to preventative care through technology; and raising awareness among islanders of the challenges faced by older people.

Potential use cases include, but are not limited to:

- **Smart Homes:** Using technologies such as sensors that enable the elderly to manage their daily activities with ease, enhancing their independence.

- **Telehealth and Health Apps:** Implementing platforms and mobile applications that offer remote medical support, continuous health monitoring, and care management. These solutions could reduce the need for frequent hospital visits and provide timely medical advice, thereby alleviating pressure on the healthcare system.

- **Social Connection Platforms:** Utilising digital platforms aimed at reducing social isolation by facilitating communication with family, friends, and community groups that are accessible and engaging, promoting a sense of community and mental well-being.

- **Personalised and Wearable Technologies:** Design wearable devices that monitor vital signs, activity levels, and safety, such as health trackers and emergency alert systems. These technologies could provide personalised health insights and promote preventative care.

- **Service Co-ordination Platforms:** Develop integrated platforms that streamline the co-ordination of various services required by the elderly, such as healthcare, home care, and meal delivery.

Judges will be looking for creative and effective solutions that can be practically implemented and scaled on-island. Applicants should provide clear evidence of how their technology can prevent care issues, improve the quality of life for the elderly, and reduce the strain on Jersey's healthcare system, adapting successful implementations from other parts of the world to meet the specific needs of Jersey's ageing population.

The Application Process

The Initial stage of the application process involves completing a Project Proposal and then the application form available on the [Impact Jersey website](). Guidance on what to include in your Project Proposal is outlined below. This Project Proposal should be attached to the application form, which summarises the detail contained in your Project Proposal.

The application form consists of a series of questions, all of which must be answered, that identify the key evaluation points for the proposed project. To answer these questions, applicants should present a brief response, going into more detail in their Project Proposal. The Project Proposal is the applicant's opportunity to articulate the specific details of their project while emphasising how their idea benefits the island and can be effectively implemented.

You are advised to complete your Project Proposal first, and then summarise this in the application form before submitting.

Before you submit your application form, you will be able to save progress and return to complete it at a later date. This can be done through a link provided on the form and sent by email, provided that your email address field was completed.

Project Proposal Guidance:

The content below is aimed at providing a guide for applicants on what should be contained in the Project Proposal:

Executive Summary: This should provide a brief overview of the project, including its goals, objectives, and scope.

Background: This section should provide more detail on the problem or need that the project is addressing. It should also discuss the context of the project, such as the target audience, the relevant stakeholders, and other funding sources.

Project Goals and Objectives: This section should clearly state the specific goals and objectives of the project. The goals should be broad and aspirational, while the objectives should be specific, measurable, achievable, relevant, and time bound.

Project Methodology: This section should describe how the project will achieve its goals and objectives. It should discuss the research methods, the interventions, and the evaluation methods that will be used.

Project Budget: This section should provide a detailed breakdown of the project's budget. It should include both one-off capital costs (e.g. purchase of assets) and recurring costs (e.g. personnel) for the life of the project. The budget should consider on-going costs post project completion and indicate how the project might be sustained in the future. Applicants should note that grant payments will be staged and aligned to the completion of key deliverables (i.e. activity based rather than time based) and the cashflow requirements of the project. As such, applicants should clearly set out the expected expenditure over the life of the project and indicate in their application their proposed grant payment stages aligned to this expenditure. Applicants should also consider potential ownership structures of equipment or other tangible assets during and after project delivery, with a preference for assets purchased with grant funding to be owned by Digital Jersey or another organisation for the benefit of the Island.

Project Deliverables and Timeline: This section should provide a detailed schedule for the project. It should include the major deliverables and their associated milestones for each stage of the project, as well as the overall timeline for completion.

Project Team: This section should list the members of the project team, along with their roles and responsibilities and any previous relevant experience. If you are collaborating with other companies or partners on your project, explain what each partner will contribute to the project and how you will work together to successfully deliver.

Supporting Documents: It is crucial that applicants provide the relevant documents to validate the credibility and readiness of the project. These can be attached at the bottom of the application form, along with the business plan. These documents include:

- Product certifications (such as UKCA / CE markings)
- Confirmation of any partnerships or collaborations (e.g. a letter of intent)
- Evidence that regulatory requirements have been met (business licences, permits etc)
- Any relevant media links and website details for further information

Note – supporting documents are only required where applicable and may not be relevant for every project proposal.

References: In this section, applicants are asked to provide the contact details of individuals who can be contacted to verify experience or corroborate their involvement in previous projects referenced in the application.

The Application Form Questions

Applicant Details:

Contact First Name

Contact Last Name

Email Address

Are you collaborating with another entity or entities on this project proposal?

Phone Number

Lead Applicant

Where is this entity based?

Project Introduction

Project Title

Total amount of funding required

Summarise your proposal in one sentence

Outline your project proposal, aims and objectives and how do they contribute to older people living independently in Jersey?

The Idea and Innovation

Describe the technology element of your proposal?

Describe how your solution enables elderly people to live more independently in Jersey?

What Technology Readiness Level (TRL) would you currently give your product?

What evidence can you provide that supports your TRL selection?

Leadership and Experience

Tell us about the skills and experience of your team that will allow you to successfully deliver your project?

Resource Management

Explain why you need Impact Jersey funding and how would you use the money to deliver the project objectives?

What is the long-term plan for your project and how will it be sustainable beyond the period of Impact Jersey funding?

Stakeholder Engagement

Explain the target market or audience for your solution and how you plan to engage with them?

Impact and Benefits

What are the benefits and impact of your solution for your target audience?

How do you plan to measure the impact and benefits and over what time frame?

Please attach a copy of your Project Proposal and any relevant supporting documents

Other

Is there a possible conflict of interest with regard to your application?

Have you provided all relevant attachments to your application?

Shortlist Interviews

Following the closure of the application period and once applicant eligibility has been confirmed, the judges will decide on a shortlist of applicants to be invited to interview. During the interviews, applicants may be asked to expand upon aspects of their project plans or provide further context to support their application. Interviews are expected to take place mid to late October.

Successful Applications

Depending on the number of applications to process and the number of interviews to undertake, we will be in contact in November to confirm all successful applications. This is a competitive process and the total funding available is limited to £2 million. CareTech is one challenge as part of the wider Impact Jersey scheme, so there will be future opportunities to apply for Impact Jersey funding if your application is not successful this time around.

Following final due diligence checks, successful applicants will work with Digital Jersey to agree on performance assessment criteria for their project which will be set out and agreed in the Grant agreement.

Grant payments will be staged and aligned to the completion of key project deliverables and cashflow forecasts. At agreed milestones (as set out in the Grant Agreement), an assessment will be undertaken by Digital Jersey to ensure progress has been made and deliverables have been completed. Upon satisfactory completion of this assessment, subsequent stages of funding may be released.

If Digital Jersey is not satisfied that progress has been made, even after providing a reasonable time for remediation, Digital Jersey will withhold the payment. The criteria for making this assessment will be clearly set out

in the grant agreement. Discussions will be held with Digital Jersey on next steps in such circumstances.