

This competitive call opens on Wednesday 10 April 2024 and closes on Thursday 16 May 2024 at 17:00.

Background

This document provides guidance on the Resource Efficiency Capital Grant (RECG) including eligibility criteria, application process and information required. If you are considering applying for RECG, please read this document carefully before submitting an application.

The budget available for this call is approximately £900,000 and must be fully claimed by 17:00, Friday 28 February 2025.

Aim of Grant Funding

The focus of the grant is on resource efficiency which is defined in the NI Waste Strategy as using resources i.e. raw materials, waste and water, in the most efficient manner whilst minimising the impact of their use on the environment. Invest NI shall use the Waste / Water Hierarchy defined in Appendix A of these guidance notes in order to assess each application.

Note: This scheme is primarily a material and water efficiency scheme and projects MUST demonstrate a significant material reduction. Projects that demonstrate a higher material and / or water reduction will be awarded a higher score as part of the appraisal process.

The aim of this funding is to encourage businesses to shift towards a circular economy and improve resource efficiency by installing equipment that will result in water and/or material efficiencies beyond regulatory requirements through provision of a capital grant of up to £50,000.

For reasons of financial control, grants will only be available to client businesses that Invest NI currently supports and monitors – **Note:** businesses considering an application will be required to have discussed potential projects with their Client Executive before an application is submitted. Client Executives are required to endorse client projects applying to this scheme. Applications will not be issued if previous grant is not closed off and paid.

Examples of projects that will be considered for the RECG include:

- Equipment that eliminates the consumption of raw materials or uses less material in design and/or manufacture of product.
- Equipment that improves the efficiency of raw material consumption through improved processing or equipment that enables the re-use of materials and/or waste materials generated through a process on-site i.e. re-use of materials to manufacture product and/or re-use of water.
- Equipment that recovers value from waste and/or water that would otherwise be vented to the atmosphere or discharged to land or waterways.

Note: this list is not exhaustive, and equipment considered must be directly linked to the process and demonstrate resource efficiency. For example, local waste infrastructure projects, end of waste treatment/ sorting/segregating and or energy recovery projects are NOT eligible.

Only one project and one application per company will be accepted in this call. Projects that cannot be implemented and FULLY claimed by 17:00, Friday 28 February 2025 will **NOT** be eligible for this call. No extensions beyond this date will be permitted.









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Other support available

Applicants with water, materials, waste, and energy costs of more than £30k per annum can also access free Technical Consultancy Support through Invest NI's Energy and Resource Efficiency team. This support can help them identify suitable projects and provide the information required for future RECG applications as well as identifying other potential cost savings. Our team can be contacted <u>recg@investni.com</u> or 0800 181 4422. Details of all support available from the Energy and Resource Efficiency team can be found on our website at <u>Reduce waste and save energy | Invest Northern Ireland</u> (<u>investni.com</u>).

Sustainability Reports

A Sustainability Report is a holistic assessment/understanding of a business's environmental performance across a number of areas, such as; Raw Materials, Energy, Carbon, Packaging, Biodiversity and Waste.

This support will enable you to measure, monitor and report on your environmental impacts, demonstrating transparency and accountability, which often leads to consumer confidence and brand loyalty.

This support is available to all Northern Ireland businesses with an annual energy and resource spend of more than £30k. This could include the combined value of your heating, electricity, water, waste disposal or raw material billings.

Technical Consultancy

Our technical consultancy support can help your business identify areas for increased efficiency and cost savings. We provide specialist support to complete bespoke energy saving projects such as technical audits and feasibility studies.

This support will allow you to make informed decisions on potential investments in energy efficiency – and ultimately save on business energy and reduce business costs.

Technical Consultancy is available to all businesses with an annual energy and resource spend in excess of £30K.

Resource Matching

Our Resource Matching service offers opportunities to convert redundant materials of one business into a resource for another – both adding value and reducing business costs for all parties.

As well as benefiting from cost savings and productivity improvements, this service allows businesses to prolong the life of resources whilst reducing your carbon footprint.

For more information please contact our team at <u>ere@investni.com</u> or visit our website at <u>Reduce waste and save energy</u> <u>Invest Northern Ireland (investni.com)</u>

Maximum Grant

The maximum rate of support is dependent on company size as follows:

1. Small company:

For a small company, the grant rate will not exceed 30% of eligible project costs, up to a maximum of £50,000 in grant support per application.

2. Medium company:

For a medium company, the grant rate will not exceed 20% of eligible project costs, up to a maximum of £50,000 in grant support per application.

3. Large company:

For a large company, the grant rate will not exceed 10% of eligible project costs, up to a maximum of £50,000 in grant support per application.







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In the case of large companies that are subject to EU de minimis rules, Invest NI may seek information on any de minimis aid awarded to the applicant in the last three years. See Appendix B for a full definition of Small, Medium and Large company categories).

Eligible Expenditure

Eligible costs are the capital costs directly associated with the third party design, purchase, delivery, installation and commissioning of equipment or changes to a process that saves material and/or water and reduces costs.

If a project has separate elements, for example a process which relies on the integration of the separate pieces of equipment, the applicant must demonstrate a clear linkage between these elements in order for the project to be eligible for support. An element cannot be independent from the other elements; otherwise, the project will be ineligible as this will be considered as two separate projects.

Note: For borewell projects, applications will only be accepted if hydrogeological surveys, defined water extraction rates and water testing have been completed (test drilling, water testing and abstraction licence will not be included as eligible expenses). The client must have defined project costs and be in a position to install the bore well equipment for an application to be accepted. Eligible equipment will be for extraction, treatment and connection of the borewell water to the business. Note: Supporting evidence of assessing the proposed bore well MUST be provided along with the FULLY completed application.

Second-hand equipment is eligible for support. **Note:** applications must include an independent valuation detailing age, condition, and current value of the equipment, along with the quote at the time of application.

Applicants will be required to assess and state the level of energy efficiency savings associated with projects as well as define the likely water, material and/or waste savings in the application form. Where estimated energy efficiency savings are greater than the total water and/or materials savings, projects will be deemed INELIGIBLE for this grant.

The following will NOT be eligible for support:

- A company is permitted to use company funds, or other unsecured lending, but we do NOT permit other finance to be secured on the equipment.
- Equipment leasing or hire purchase agreements and trade in of existing equipment is NOT permitted.
- Projects with a higher level of energy efficiency savings than the total of water, materials and/or waste materials.
- Equipment that delivers resource efficiency beyond the business premises i.e. mobile plant and/or equipment.
- Projects that do not demonstrate clear linkages between separate elements of the process.
- Projects that solely provide local waste infrastructure projects and do not demonstrate material efficiencies.
- Projects that solely meet compliance or other waste/ water licensing requirements.
- Projects that cover on-going software licencing costs.
- In-house personnel costs associated with the project.
- Fore borewell projects costs associated with water testing, test borewell drilling and licensing.
- Ancillary works or additional infrastructure works. e.g. wiring of premises to accommodate the installation of equipment.
- Projects with payback periods of less than one year or greater than four years. If funding from other support schemes or incentives, has already been granted for the project.
- Projects that are repeat or similar projects funded by previous RECG calls.









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Scheme Operation

Invest NI will issue a number of Calls for Proposals during the lifetime of the Scheme. RECG is part-funded by the UK government through the UK Shared Prosperity Fund.

This call is open from Wednesday 10 April 2024 and closes at 17:00 on Thursday day 16 May 2024. Applications received after this time will not be considered or appraised. Successful applications must be claimed by 17:00 Friday 28 February 2025.

Applications that do not proceed to Letter of Offer will be automatically closed off. The full cost of any project must be incurred and grant (if offered) FULLY claimed by the final claim date as per the Letter of Offer.

All implemented projects will be evaluated after 18 months as per Invest NI Post Project Evaluation (PPE) Guidance to evaluate project performance.

Technical Advisor Support

Due to time constraints and resource availability, Technical Advisor support for application process cannot be guaranteed after Friday 26 April 2024.

Invest NI will issue a call for proposals through its client teams and applicants must submit an online application by the specified closing date. **Note:** Applications that do not present all of the information requested will be rejected. Clients with bore well projects MUST complete the whole application form in detail and ONLY provide an attached PDF with ALL supporting evidence of assessing the proposed bore well as outlined in the eligible expenditure section.

Applicants MUST be able to demonstrate that they have access to the balance of funding for the project should their application proceed to a Letter of Offer.

Completed application form and quotation MUST be submitted online by the client to Invest NI no later than 17:00 on Thursday 16 May 2024. **Please note:** online applications cannot be resubmitted once received.

Innovation assessment

Please note that an innovation assessment is required prior to making a claim for the assistance. This is done via an online innovation assessment that captures details of the project, the stage and level of innovation and any potential support the business may require.

The Client must have completed a <u>www.innovateni.com</u> innovation assessment before making a first claim under this Letter.

We would recommend that this is done in time to allow the grant claim to be progressed immediately, and not completed at the time of claim submission as this will delay the processing of your payment.

Claim Process

Grant claims MUST be submitted to and received by Invest NI via the <u>Invest NI Claim Pack</u> by the final claim date in the Letter of Offer once the funded equipment has been purchased and fully installed. **Note:** Part claims will NOT be accepted, and projects will only be considered complete once all equipment as per application is installed and efficiencies are being generated. Applicants should be aware that ALL payments must be made before the deadline and part exchange of old equipment as payment will NOT be accepted.

Energy and Resource Efficiency Staff will be available to provide guidance on the claims process.









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Fully installed equipment must be technically vouched by an Invest NI Technical Advisor, during which photos of equipment, serial numbers and machine details will be taken.

Claims must be accompanied by a Fixed Assets Register, which should at least contain the following: fixed asset number, date of purchase, asset cost, opening depreciation, net book value, and asset description. Costs MUST be incurred and paid for by the business named on the Letter of Offer.

How to Apply / Quotations

How to Apply:

Once you have your project information and evidence collated, the online application process takes approximately 2 to 3 hours to complete.

Please review the sample application form which shows how this application should be completed.

You will need the following information to complete the online application form:

- Information on your business background e.g. annual energy usage.
- Proposed project description, including the purpose and benefits of your proposed project(s).
- Accurate calculations of proposed resource savings using 12 months of typical material and/or water consumption data for your specific project and how material and/or water consumption will reduce as a result of implementing the resource efficiency equipment.
- Information on project costs, including itemised expenditure.
- Information on how you plan to fund the balance of the project should you receive a grant.
- A completed Invest NI Resource Savings and Project Costs spreadsheet must be attached with the application, ensuring the proposed resource efficiency equipment fulfils the eligibility criteria set out above (i.e. material savings and a simple payback of between 1 year and 4 years). For example use before and after project implementation.

Please Note

- Future scenario material costs should be the same as the material costs used in baseline.
- Do not use projected growth figures for future year's e.g. extra material throughput due to increase in sales.
- Only information received via the online portal will be accepted/reviewed, and under no circumstances is information to be emailed to Technical Advisors.

To attach documents to your application, please click the 'Attach Documents' button at the relevant section. You will need to provide a description of the document to identify the document provided.

Please note the maximum size of each attachment is 20MB.

You can save your application and return to it at any time, prior to the closing date of 17:00 Thursday 16 May 2024. You will need to click on the 'Submit' button when you have completed your application.

Technical support for your resource efficiency project application is available from Invest NI's Energy and Resource Efficiency Team should you require it. Please also review example application for further guidance.

If an external consultant is assisting you in this application process then they will require a unique email address from your company e.g. consultant@companyname.com.

Quotations:

The quotation needs to be supplied with the application for the proposed expenditure.

For second-hand equipment, a quotation MUST BE certified with an independent valuation approved by Invest NI.







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An independent valuation should be completed by an impartial industry expert who can clearly verify the age, condition, and current value of the equipment. The valuation cost will be at the expense of the client.

Quotations supplied with applications must:

- Identify the supplier.
- Clearly relate to the costs outlined in the application.
- Be received on or after 24 March 2024 and to remain valid at 16 May 2024.
- Be addressed to the company making the application.
- Pro forma Invoices will not be accepted.
- Be in pounds sterling, or, if another currency, must be supplemented with a dated exchange rate screenshot (PDF or JPG) from XE.com.

Quotations that DO NOT meet the above criteria will result in an unsuccessful application which will NOT be considered or evaluated further.

Eligible costs and therefore maximum grant payable will be based on the quoted price at the time of application.

Project Start Date

If any expenditure is incurred prior to receiving a Letter of Offer from Invest NI the entire project will no longer be eligible for support – this includes the following: placing orders, signing contracts, paying deposits or advances.

Appraisal of Applications

All applicants should note that acceptance of an application form by Invest NI, or assistance provided by any Invest NI employees in the application process should not be considered an indication that funding will be offered or that costs included are eligible.

All queries about the application should be directed in the first instance to the company's Energy and Resource Efficiency team Technical Advisor or Client Executive. Funding of projects is subject to budget approval, all decisions are final. Whilst there is no appeal process, applicants are encouraged to discuss potential projects with their Client Executives and Technical Advisors within the Energy and Resource Efficiency team before submitting applications.

Applications under competition will be scored and ranked competitively against the following criteria:

Criteria	Scoring Mechanism
1. Ability to claim by Friday 28 February 2025	
 2. Essential Documentation: Fully completed application form Completed materials calculator detailing project capital costs, material quantities and unit costs. I. Quote: Quote clearly relates to costs outlined in application. 	Pass/Fail Please note: Where essential documentation does not meet the criteria, this will result in an unsuccessful application.







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• Quote is dated, be received on or after 24 March 2024 and to remain valid on 16 May 2024.	
Quote clearly addressed to company making the application.	
• Be in pounds sterling, or, if another currency, must be supplemented with a dated exchange rate screenshot (PDF or JPG) from XE.com.	
 II. If the application is for second hand equipment: The quotation provided must be certified with an independent valuation approved by Invest NI (the valuation cost will be at the expense of the client). 	
III. IF the application is for a borewell project, supporting evidence must be included to prove:	
 Completion of hydrogeological surveys. Completion of water testing. Defined water extraction rates. 	
Note: Only documentation requested should be attached. Any additional documentation provided will not be reviewed by the Panel. All information should be included in the application form.	
3. Project payback period:Must be greater than one year and less than four years.	Scored out of 30
Note : Cost Savings associated with resource efficiency solutions only will be taken into consideration.	Please note: Simple payback will be used to appraise all applications using the following
Labour savings, additional sales, energy efficiency savings or additional production throughput generated as a result of a new technology will not be considered.	formula: Eligible Capital Expenditure (before grant) ÷ Annual Savings.
4. Your application form and supporting documentation MUST be submitted before 17 These will then be checked to ensure your project(s) meets the RECG eligibility criteria	
 If concerns arise during the checking process of an application, Invest NI reserves the relatification/information, in particular relating to: The level of materials and/ or water consumption used by a specific technology/sy The efficiency of the existing and/or proposed technology/equipment. Cost of the proposed technology/equipment. 	
 Waste/Water Hierarchy (Please refer to Appendix A – Waste/Water Hierarchy Guidance) 	Scored out of 50
Note: This scheme is primarily a material and water efficiency scheme and projects MUST demonstrate a significant material and/ or water reduction rather than only cost savings.	Please note: The Waste/Water Hierarchy will used to appraise projects. Those that demonstrate the prevention of waste, water consumption and reduction in raw material consumption will score higher. Projects that reduce one material but as a result end up









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	increasing use of another material will score lower.
 6. Completeness and accuracy of application form assessed: Outline the opportunity Current consumption Explain the solution Future consumption Project savings 	Scored out of 50 Minimum score threshold is 30. Score below 30 is a fail, and application will be deemed unsuccessful.
 Second-hand equipment. New equipment will score 0, second hand equipment will score 10 	Scored 10

Notification of Funding Decision

Once applications are approved, applicants are informed via email that their application has been successful and a Letter of Offer will be issued. Unsuccessful applicants will also be notified via email.

Please DO NOT start your project, incur cost or pay any deposits until you receive a Letter of Offer for your project from Invest NI.

If you incur costs because you have signed contracts, given permission to start work, raised invoices or made payments before you have received an Invest NI Letter of Offer, these costs CANNOT be claimed for and could prevent you from accessing any of the grant funding awarded.

PLEASE NOTE: If you wish to change any aspect of the project applied for at the application stage, you MUST notify Invest NI immediately to discuss the proposed change. If you agree any changes to supplier/equipment prior to approval from Invest NI you risk NOT being able to claim for the equipment costs and this could prevent you from accessing any of the grant funding awarded.

Your Responsibilities

You are responsible for providing accurate and true information on your application.

The provision of wrong or misleading information is an offence and any such information may be used against you in any subsequent criminal investigation.

The information provided on this application form may be made available to other departments or agencies for the purposes of preventing or detecting crime.

You are responsible for obtaining any legal consents and complying with any legal requirements for the implementation of your project. This may include but is not limited to requirements in relation to monitoring and landlord consents. Invest NI will not accept responsibility for your failure to comply with any legal requirements in the implementation of your project should it be successful.









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Data Protection and Handling

The RECG is managed and administered by Invest NI who will have access to the information you provide as part of your application; both as a means to assess your eligibility and to conduct any post scheme governance assessments.

As this financial support is sourced from public funds Invest NI will, in the interest of openness and transparency, proactively publish limited information on the fund including:

- name of applicant
- application title
- amount of assistance

Invest NI will handle your data in compliance with applicable laws including the General Data Protection Regulation and the Data Protection Act 2018.

For further details on our data handling practices please see the Invest NI Privacy Notice.

General Enquiries

If you have any enquiries about the RECG, please email <u>recg@investni.com</u>. You can also call Invest NI's Business Support Team on 0800 181 4422.









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Apper	ndix A		
Waste	/ Water Hierarchy		
HIGHER SCORE	Prevention	Eliminating materials, using less material in products, using less hazardous materials	 Prevention Purchasing fewer materials Reducing process waste Using less hazardous materials Efficient weighing machinery
HIGHE	Preparation for re-use on site	minimising scrap. Eliminating water from alternative sources.	 Lightweight packaging Efficient cutting machinery Keeping products for longer (extending the shelf life) Improved paint application systems
	Recycling	Checking, cleaning, repairing, refurbishing, whole items or spare parts for use onsite for same purpose. Water filtration for same use again.	 Water efficient devices (taps, showers and nozzles) Alternative water use - Rainwater Harvesting/Bore well/reclaimed water Reducing quantity of smaller containers by purchasing in bulk
CORE	Other recovery	Turning waste into a new substance or product; Water recycled for another use.	 Preparing for re-use on-site Improved cleaning in process technology Reuse of packaging Water filtration
LOWER SCORE	Disposal	Includes anaerobic digestion, incineration with energy recovery, gasification and pyrolysis which produce energy (fuels, heat and power) and materials from waste; some backfilling.	 Recycling Recovering the value of waste from a process to reuse Granulation, blending Recycling water Centrifuge, settlement tanks, solvent capture and recovery
		Landfill and incineration without energy recovery.	Other Recovery Hard-core / Backfilling Energy from waste (not eligible)
			 Disposal Diverting a waste from landfill without energy recovery



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Appendix B

Subsidy Control, State aid and Business Size

Subsidy Control & State Aid

Invest NI's Resource Efficiency Capital Grant Scheme provides financial assistance in accordance with the <u>UK's Subsidy Control</u> <u>Act 2002</u> or, where such financial support could affect the trade in goods between Northern Ireland and the EU, in line <u>Commission Regulation (EU) No. 651/2014 – the General Block Exemption Regulation (State Aid notification SA.112626) or</u> <u>Commission Regulation (EU) 2023/2831 – the de minimis aid regulation</u>.

Business Size Definitions:

A Small Enterprise is defined as:

An Enterprise that has fewer than 50 employees and has either an annual turnover or an annual balance sheet total not exceeding €10m

A Medium sized Enterprise is defined as:

An enterprise that has between 50 employees and 249 employees and has either an annual turnover not exceeding €50m or an annual balance sheet total not exceeding €43m

A Large Enterprise will be anything else that does not fall into either the smaller or medium-sized categories.

If a company is part of a group then the employee, turnover, annual balance sheet and ownership limits apply to the group.

In all cases, if the enterprise is more than 25% owned by one or more enterprises or itself has a holding of more than 25% in any other enterprise, it will be necessary to consult the full definition in the Official Journal (see *below).

Excluded from the holding company threshold in the above definition are public investment corporations, venture capital companies and institutional investors provided that they do not exercise control. However, an enterprise cannot be considered as meeting either definition if 25% or more of the capital or voting rights are directly or indirectly controlled, jointly or individually, by one or more public bodies.

*For the full definition, see the "Official Journal of the European Commission (L 124/36) 20th May 2003 – Commission Recommendation of 6th May 2003 concerning the definition of micro, small and medium-sized enterprises." <u>https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=LEGISSUM%3An26026</u>

Appendix C

Example Application Form

The following pages detail an example application to support applicants. This is purely an example to support applicants in the layout of their submission. Applicants are responsible for ensuring that all relevant information for their project is included within their application via the Invest NI Customer portal.









Project Costs' excel spreadsheet template linked below. We would advise downloading and completing this spreadsheet first, so that it can be uploaded during the relevant section.)

Download Resource Savings & Project Cost Template

The application is likely to take 2-3 hours to complete. You can save your work and return to the application at any time.

Important Information

- As this is a competitive process, the submission of an application does not guarantee project funding.
- Any expenditure incurred prior to receiving a letter of offer from Invest NI will not be eligible for support.
- Support is paid net of VAT.
- Support paid is subject to <u>Invest NI Eligible Costs policies</u> (eligible costs and payment methods).
- Before submitting an application you should have the endorsement of your Client Executive to proceed with support for the project and must have discussed it with an Invest NI Technical Advisor.
- To allow other people to access the application, please click the 'Add Contributors' button to the right and add them to the list of authorised contacts.
- For further details on costs which are eligible to be claimed back, please see the programme Guidance Notes.
- You should have read and understood the guidance notes:
 - Appendix A relates to the categories of the Waste/Water Hierarchy, provides definitions at each stage and provides examples of projects which may be considered for support. It also contains further details on the definitions of various sizes of enterprises and the support available for each size of business.

Download Guidance Notes

Privacy

For details on how we use your personal data, including your rights, please visit our privacy notice.

As this financial support is sourced from public funds Invest NI will, in the interest of openness and transparency, proactively <u>publish</u> <u>limited information</u> on the scheme including:

- Name of applicant.
- Application title.
- Amount of assistance.

Accessibility

If you require an application form in an alternative format, please contact equality@investni.com or see our Equality Statement for further details.

A response is required for all question marked with *.

I have read the guidance notes



Northern Ireland	ABOUT US MEDIA CENTRE CONTACT US PROFI	Business Vews Events	European Union European Regional Development Fund Investment for Growth and Jobs
Dashboard	Resource Efficiency Capital Grant 2022		
Profile	Application Details Related Documents	Closing Date: N	
*	1 2 3 4	5 6 7 8	9 Save draft
<u></u>	General Company Information		Download application
Company	* Company Name		Submit application
	Newsweekly		
	Trading Name		Add Contributors
Events	A B Parts Limited		Withdraw application
ē	* Product Service Description		
Projects	Design and Manufacture of Engineered Components and Ma	achinery	
	* Type of Business	* Trading Status	
	Limited Company 🗶 🔍	Trading	~
Applications	* Date Established in NI 🚯	* Financial Year End Date 🚯	
	01/01/2020	31/03/2022	
	Company Registration Number		
	123456		
	* Country of Ownership		
	Northern Ireland	3	×Q

NI		×
*Industry Sector		
Materials Handling		
* Is the Organisation a Social Enterprise? () No O Yes		
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A B Parts Limited, design and manufacture of engineered components and mac	hinery	
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The annual balance sheet summarizes an organization's assets, liabilities and equity at the end of its financial year. Your answer should consist of the value of the total assets or, the value of the total liabilities and total equity. i.e. the balance sheet total is the sum of the fixed and current assets before deduction of current and long-term liabilities. (It is NOT the "net asset" value).

If your business is pre-trading, this figure may be 0.

500,000

Group Structure

* Does the company, its owners or a major shareholder own 25% or more of any other business?

🔾 Yes 🔘 No

Business Locations

You can add a new location using the 'Add Location' button below.

Please note: For data security reasons, you cannot change existing locations. Should you wish to do this, you will need to contact your Invest NI Contact/Client Executive. Their details can be found on your <u>Dashboard</u>.

			Add Location
Location Name	Address Line 1	County	Post Code
Belfast, BT27ES	1 Bedford Square		BT27ES

*Headquarters

After adding a location, or multiple locations, in the table above; please select the location where your business is headquartered.

Belfast, BT2 7ES

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Business Contacts

You can add a new contact using the 'Add Contact' button below. You should ensure that Partners and/or Directors and the Company Secretary (where appropriate) are included in this list. Key staff contacts can also be listed here.

Please note: For data security reasons, you cannot change existing contacts. Should you wish to do this, you will need to contact your Invest NI Contact/Client Executive. Their details can be found on your <u>Dashboard</u>. Not all contacts listed here may have access to the MyINI portal.

	Last Name	Job Title	Login Enabled	
AB	Jones	Director	No	
< 1 2 3	4 5 6 7 8 177			
* Main Contact				
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Previous			→ Next	
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shboard	Resource Efficiency Capital Grant 2022	
Sofile	Closing Date: N/A Project C Application Details Related Documents	Owner: N/A Status: Draft
b Ipany	1 2 3 4 5 6 7 8 9 Project Details * Main Project Contact	Save draft Download application Submit application
ents	Select the Main Project Contact. If the Contact does not exist please <u>click here</u> to add. A B Jones X Q * Project Title Y Y	Add Contributors Withdraw application
jects	Please enter a descriptive name for your application title (between 3-20 words). This application title, alongside limited details of your participation, may be <u>published</u> or <u>discoverable</u> . Therefore we recommend you choose a title that will not disclose commercially sensitive information about your project. New Laser CNC Cutting Machine to replace an inefficient Plasma CNC Cutting Machine	
ations	Word Count: 13 of 20	
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		Return to top

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	Resource Efficiency Capital Grant 2022				
			Closing Date: N	A Project O	wner: N/A Status: Draft
3					
file	Application Details Related Documents				
	1 2 3	4 5	6 7 8	9	Save draft
h	Current Costs				Download application
pany	Note: The figures below should match the figures	s in the Resource Savings & Proje	ct Costs spreadsheet.		Submit application
- h	*Current Raw Material Costs (£)				Add Contributors
	You should detail business wide current raw mat	terials costs per annum, not just fo	r this project.		
nts	£ 1,051,084.00				Withdraw application
3	* Current Waste/Disposal/Recycling Costs (£)				
	You should detail business wide current costs fo £ 1,540.00	r waste management, waste dispo	sarand recycling services per annum		
ects					
2	* Current Water/Effluent Costs (£) You should detail business wide current costs fo	r water processing and effluent ma	anagement per annum.		
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with a new more efficient laser based steel plate cutting machine.

The existing plasma CNC cutting machine is used to cut components from steel plate. These components are used to manufacture a wide range of agricultural machinery. Waste steel plate off cuts and out of tolerance cut steel components are being produced from several sources.

Steel plate scrap off cuts - plasma instability and cutting inaccuracies

The existing plasma CNC machine cuts steel at a very high temperature and by nature this is thermally unstable. This instability of the plasma temperature causes inaccuracies in cutting and reduces the amount of cut components that can be obtained from any given steel sheet and produces additional scrap steel off cuts.

Out of tolerance cut components - high temperature deformation and slag contamination

The very high temperatures produced by the plasma CNC produce heat distortion of the steel plate, making cutting to critical tolerances difficult. Molten steel sputter deposits are often produced by the high temperatures, these can distort the critical dimension of cut edges. Collectively these combine to produce significant amounts of steel plate components being wasted though sputter contamination changing the critical dimensions of components.

An opportunity exists to improve resource efficiency by preventing or reducing these effects to improve cutting accuracy and prevent or reduce steel plate waste.

Word Count: 239 of 500

*Current Consumption [Max 500 Words]

Provide details of current consumption of resources, both in terms of units used and associated costs. This will involve raw materials and/or water and/or waste.

Provide information to support verification of figures used. All calculations and/or estimations should be explained clearly. Any estimations used must be verified with the source of this information clearly referenced.

These figures should correspond with those entered in the Resource Savings & Project Costs spreadsheet.

The business has measured the annual amounts of steel plate cut by the plasma CNC machine and the associated quantities of unusable steel plate scrap generated and the associated annual net costs of these to the business.

Annual steel plate used by CNC plasma cutting was 221 tonnes costing £315,367

Steel plate use was measured and found to be 221 tonnes with the total annual cost being £315,367 (221 tonnes x £1,427) obtained from the previous 12 months invoiced costs. Based on the same invoices the average prices of steel plate over the same period was £1427 cost per tonne.

Annual steel plate scrap off cuts was 66 tonnes costing £79,200

Over the same period the business received £227 per tonne of scrap steel plate off cuts arising from plasma CNC cutting of steel plate. The net cost to the business for scrap steel plate during this period was £1200 per tonne (£1427 steel plate cost per tonne - £227 paid for steel plate scrap per tonne).

Steel plate scrap off cuts produced over the previous 12 months was measured and found to be 66 tonnes (66 divided by 221 tonnes as a percentage = 30% scrap off cuts)

The total annual cost being £79,200 (66 tonnes x £1,200). the efficiency of cutting steel plate using the CNC plasma was 70% Annual steel plate cut for use in components was 155 tonnes (221 tonnes steel plate – 66 tonnes steel plate scrap off cuts) Annual steel plate scrap - components out of tolerance was 12 tonnes costing £14,400.

The steel plate scrap caused by the high temperature plasma cutting and slag and heat deformation of components was measured by weighing over the previous 12 months period and found to be 12 tonnes at a cost of £14,400 (12 tonnes x £1,200 net price per tonne of steel scrap).

Annual steel plate cut actually used in components is 143 tonnes costing £204,061 143 tonnes (155 tonnes for use – 12 tonnes out of tolerance) costing £204,061(143 tonnes x £1,427).

Annual total scrap steel plate is therefore is 78 tonnes costing £93,600 Steel plate (66 scrap off cuts + 12 tonnes out of tolerance) costing £93,600 (£79,200 off cuts + £14,400 out of tolerance).

Word Count: 403 of 500

* Explain the Resource Efficiency Solution [Max 500 Words]

Describe what equipment will be used and/or process changes to be made that will support improved resource efficiency. Provide details of associated equipment for example if said machine will reduce consumption by 15% where did this figure come from? E.g. Manufacturer guidance, a technical specification/report etc.

Provide details of HOW the equipment or process change will improve resource efficiency. If applicable also include wider business benefits such as improved product efficiency or product diversification.

The laser CNC cutting machine supplier advises that on average an overall 11% reduction in scrap steel plate (off cuts and out of tolerance cutting) can confidently be expected through more accurate and stable laser cutting of steel plate and improved nesting of components, compared to an equivalent plasma CNC cutting machine.

The supplier advises that heat distortion and slag production are virtually eliminated by the lower temperature and more stable laser used in the new CNC cutting machine. Out of tolerance scrap cut components can be expected to be less than 1.5%. In comparison plasma CNC cutting machines will typically produce in the region of 8% out of tolerance scrap cut components from.

These established benchmark figures are based on the suppliers experience and knowledge in replacing plasma CNC cutting machines with laser CNC cutting machines on an equivalent production basis.

An assessment of materials and scrap and associated costs and savings associated with the project has been produced by the business with the figures produced below being are used in the resource savings & project costs spreadsheet.

Material resource efficiency and cost savings are produced by the fundamental change from plasma to laser based cutting technology.

The following aspects have been used to assess material and cost savings associated with future use of the laser cutting machine based on a like for like annual component production tonnage.

Preventing use of steel plate by improved nesting - more accurate and stable cutting

Laser CNC cutting devices produce a more stable and consistently accurate cutting edge, enabling more efficient nesting of components to be cut from steel plate.

The number of components that can be cut from a steel sheet is increased while the amount of scrap off cuts generated is reduced.

More efficient nesting prevents the use of steel plate and reduces steel plate scrap off cuts.

Preventing the use of steel plate - reducing out of tolerance component rejects through reducing heat distortion of steel

Laser CNC cutting devices will cut steel plate at a much lower temperature than plasma CNC cutting devices. As a consequence heat distortion and out of tolerance critical dimensions of the steel plate at the cut edge is reduced, thereby eliminating component rejects and waste of steel plate.

Cutting more accurately and consistently reduces the amount of waste from out of tolerance steel plate cut offs.

Preventing use of steel plate - preventing high temperature sputter contamination generated during plasma cutting.

Plasma CNC cutting of steel plate at high temperature, produces steel sputter contamination of the cut edges causing out of tolerance cutting and steel plate scrap components.

Laser CNC cutting of steel at a much lower temperature, reduces sputter contamination and produces a cleaner cut edge. Consequentially steel plate components scrapped due to out of tolerance cutting is reduced significantly.

Collectively the above aspects associated with laser CNC cutting improve resource efficiency and generate material savings by reducing raw material consumption and steel plate waste to generate significant cost savings.

Word Count: 495 of 500

* Future Consumption [Max 500 Words]

Provide details of future consumption of resources, both in terms of units used and associated costs. This will involve raw materials and/or water and/or waste.

Provide information to support verification of figures used. All calculations and/or estimations should be explained clearly. Any estimations used must be verified with the source of this information clearly referenced.

These figures should correspond with those entered in the Resource Savings & Project Costs spreadsheet.

Future scenario calculations provided below establish the tonnages of bought in steel plate that will be cut by the laser CNC machine to produce an equivalent current baseline tonnage of 143 tonnes of steel plate finished components.

The associated reduction in generated steel plate scrap is also calculated on the same basis using the below calculations using information provided by the supplier of the laser CNC cutting machine.

Preventing the generation of steel plate scrap components - reducing out of tolerance rejects through reducing heat distortion of steel and sputter contamination.

The laser CNC machine supplier has advised that out of tolerance steel plate scrap components are typically reduced to 1.5% by reducing heat distortion and sputter contamination.

To produce 143 tonnes of finished steel plate components the laser CNC cutting machine will need to cut 145.2 tonnes of steel plate annually, producing 2.2 tonnes of out of tolerance scrap steel plate components (145.2 tonnes divided by 100 x 1.5) = 2.2 tonnes scrap steel plate from reducing heat distortion and sputter)

Preventing use of steel plate by improved nesting - more accurate and stable cutting

The supplier of the laser CNC cutting machine has advised that lower temperature cutting will improve the accuracy of cutting and significantly reduce the out of tolerance dimensions of cut steel plate. They are confident that this will increase cutting efficiency by 11% when compared to a plasma CNC cutting machine.

This means that cutting efficiency can be expected to increase from the current 70% to 81% with an associated 11% reduction in steel plate scrap.

To produce an equivalent 145.2 tonne of steel plate for component manufacture will required 81% or 179.3 tonnes of steel plate. (179.3 tonnes divided by 100 x 81% cutting efficiency = 145.2 tonnes). the 179.3 tonnes of steel plate will cost £255,861

Cutting 179.3 tonnes of steel plate annually, using the new laser CNC cutting machine, will produce 20.2% or 36.2 tonnes of scrap steel plate off cuts at a net cost to the business of £43,462 (36.2 tonnes x £1,200 net cost of scrap steel plate = £43,462)

Word Count: 351 of 500

* Projected Savings from Improved Resource Efficiency [Max words 500]

This is the difference between the baseline and the future figures. Provide clear calculations showing the resource units saved and cost savings arising from the improved resource efficiency project.

The projected savings have been calculated using the supplied resource savings & project costs spreadsheet.

The following summarises the annual material and scrap savings and cost savings associated with the upgrade from plasma CNC cutting to laser CNC cutting based on current annual production of 143 tonnes of steel plate components manufactured. These figures have been produced from the resource savings and project costs spreadsheet attached by inputting tonnages from calculations for current and future baseline scenarios.

component production.	
The capital cost of the laser CNC cutting machine is £228,49 excluding recg grant.	92 which produces a simple payback of 3.84 years (46.08 months)
Word Count: 134 of 500	
* Water and/or materials savings generated by this project, p	per annum (f)
£ 59,505.90	
* Capital costs of this project which are eligible for support (£) For details of eligible costs, please see the 'Eligible Expenditu	
£ 228,492.00	Te section of Page 2 of the <u>data networks</u> .
* Simple Payback Period	ake for the cost of the savings to pay for the cost of the project. This will
be automatically calculated for you at the end of your applica	
3.84	
* Energy savings (if any, £ per annum)	
Please note, energy savings are not used in payback calculati	on.
£ 3,500.00	
* Where does this project fit on the waste/water hierarchy?	
For more information on the Waster/Water Hierarchy, definit	ions of each category and, examples of projects that may be
supported, please see <u>Appendix A</u> .	
Prevention Preparing for re-use on-site Recycling	g 🔾 Other Recovery 🔾 Disposal
* Please explain your reasoning for the above selection [Max	words 100]
	ting machine, enables the lower temperature cutting of steel plate. curate cutting, with edges free from sputter contamination. This
prevents out of tolerance cutting of steel plate.	and county marcages need to map atter containing and in the
Accurate and efficient laser cutting allows for closer nesting	g of steel plate components to be cut. More usable steel components
are cut from each steel plate sheet. Scrap steel plate off cut raw material being used	s generated are reduced. This reduction in scrap prevents as much
Taw material being used	
Word Count: 94 of 100	
Project Impacts	
	, or received offers from Invest NI staff about any other projects related
* Has the business had discussions with, made applications to	, or received offers from Invest NI staff about any other projects related
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Northern Ireland	ABOUT US MEDIA CENTRE CONT/	ACT US PROFILE
	Support for business	International Bu
Dashboard	Resource Efficiency Capital Grant 2022	
Profile	Application Details Related Documents	
Company	1 2 3 Project Risks	4
Events Projects	 Please provide details on any key project risks which happening. You do not need to include information the project. You should consider: Technical risks (e.g. Knowledge gaps, new Business risks (e.g. Strategic, compliance) Operational risks (e.g. legislation, funding) Project risks (e.g. lack of supplier expertise) Risks posed by Covid-19 and EU Exit. For more information on understanding the difference of the supplier and main the supplier expertise. Yes O No 	on on risks that hav w/untested technol e, financial, staffing ig, cost control) and se) and; erent types of risk th
Applications	List the key project risks wh <mark>i</mark> ch you believe hav need to include information on risks that have	
	Description 1	Impact Pr
	Financial risk - it is planned that the additional funds required beyond the grant will be paid by company funds and if necessary by a loan from the MD to the company.	Medium M
	Project risk - There are supply chain problems effecting all engineering business in NI due to a combination of reasons.	Medium M
	Project risks - Supplier of laser CNC cutting machine either fails in his contracted promise to provide training and technical support, or goes out of business	Medium M
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-inancial risk - it is planned that the additional funds required beyond the grant will be paid by company funds and if necessary by a loan from the MD to the

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etitors, market, legislation, funding, cost control, recruitment,

expertise, risk registers, management controls, business intelligence.

Probability	Mitigation	
Medium	The business have prepared a full set of	*
	financial projections and these show that the situation is manageable. Improved	
	quality and materials efficiencies provided	

	Resource Efficiency Capital Grant 2022	
i		
	Closing Date: N/A Project	Owner: N/A Status: Draft
	Application Details Related Documents	
	1 2 3 4 5 6 7 8 9	Save draft
	Project Costs	Download application
	Note: The figures below should match the figures in the Resource Savings & Project Costs spreadsheet.	Submit application
	*Design/Specification cost (if any) (£)	Add Contributors
	0	
	*Equipment costs (£)	Withdraw application
	219,000	
	*Installation/Commissioning costs (if any) (£)	
	0	
	* Equipment delivery costs (if any) (£)	
	9,492.00	
	* Other Costs (£)	
	These costs will not be eligible for support.	
	0	
	Attachments and supplementary information To help support your application, you may also need to attach/include additional information such as quotations, reports, exchange rates or supplementary information. You can upload these documents along with the Resource Savings & Project Costs spreadsheet outlined in the introduction of this application. If you have not already downloaded the spreadsheet, you can download it below. You can attach the supporting documentation and the Resource Savings & Project Costs spreadsheet by clicking the 'Attach Documents' button below.	
	Download Resource Savings & Project Cost Template Attach Documents	
	* Will the equipment be new or second hand? New O Second hand	
	* Have you attached quotations that are valid and dated? Yes O No	
	*If applicable, have you included information on borewells? O Yes No	
	 * If applicable, have you included dated information on the exchange rate for costs incurred that are not in Pounds Sterling? Please note, if including exchange rate information, it is important that both the amount and date are visible in the same quote/screenshot. Yes O No O Not Applicable 	
	← Previous Next	
		Please remember to save your work using the buttons on the top right hand side.
		-

Invest NI Resource Savings & Project Costs



<u>1. Project Costs</u> (these eligible costs must match figures in quotes and project application)

	Please enter the eligible item description	Please enter the cost	Please enter the currency	Please enter the exchange rate. If GBP use 1.0	Please enter the cost in GBP
Item No.	Item Description	Cost	Currency	Exchange Rate	Cost (£)
1	CNC Laser CNC Cutting Machine	219,000.00	GBP	1.00	£219,000.00
2	Shipping Costs	9,492.00	GBP	1.00	£9,492.00
3					
4					
5					
6					
7					
8					
9					
10					
Sub Total					£228,492.00

2. Baseline Scenario Information (This is cost and volume of material being bought now)

	Please select a material	Please select a unit of measurement	Please enter the material consumption	Please enter the unit cost	
Item No.	Item Description	Unit of Measurement	Units Consumed	м	aterial Cost
item No.	item Description	Unit of Measurement	(units/yr)	(£/unit)	(£/yr)
1	Steel Plate Bought in for Cutting	Tonnes	221.00	£1,427.00	£315,367.00
2					£0.00
3					£0.00
4					£0.00
5					£0.00
6					£0.00
7					£0.00
8					£0.00
Sub Total					£315,367.00

3. Future Scenario Information (This will be cost and volume of material being bought once project is complete)

	Please select a material	Please select a unit of measurement	Please enter the material consumption	Please enter the unit cost	
Item No. Item Description	Unit of Measurement	Units Consumed	Material Cost		
item ito:		one of Measurement	(units/yr)	(£/unit)	(£/yr)
1	Steel Plate Bought in for Cutting	Tonnes	179.30	£1,427.00	£255,861.10
2					£0.00
3					£0.00
4					£0.00
5					£0.00
6					£0.00
7					£0.00
8					£0.00
Sub Total					£255,861.10

4. Summary Information (Project Savings = Future Scenario - Baseline Scenario)

Item No.	Item Description	Unit of Measurement	Material Units Change	Site reduction in Material Usage	
		Onit of Weasurement	(units/yr)	(£/yr)	% Material volume change
1	Steel Plate Bought in for Cutting	Tonnes	-41.70	-£59,505.90	18.87%
2			0.00	£0.00	0.00%
3			0.00	£0.00	0.00%
4			0.00	£0.00	0.00%
5			0.00	£0.00	0.00%
6			0.00	£0.00	0.00%
7			0.00	£0.00	0.00%
8			0.00	£0.00	0.00%
Sub Total				-£59,505.90	

Project Summary		
Total Eligible Project Cost	£228,492.00	
Material Cost Difference	-£59,505.90	
Payback (years)	3.84	
Payback (Months)	46.08	

QUOTATION

Buyer Company Name and full address

Seller Company Name and full address

- Quote clearly relates to costs outlined in application.
- Quote is dated, recent and valid.
- A quote in pounds sterling, or, if another currency, must be supplemented with a rational and detailed exchange rate e.g. XE.com exchange rate.
- Quote clearly addressed to company making the application.

IF the application is for second hand equipment:

• The quotation provided must be certified by an independent valuer approved by Invest NI (the valuation cost will be at the expense of the client).



100 EUR to GBP - Convert Euros to British Pounds

Xe Currency Converter

(a) Convert	Send 🖉	✓ Charts
Amount	From	То
€100.00	EUR – Euro	~ ₹ ₩

100.00 Euros =

85.180127 British Pounds

1 EUR = 0.851801 GBP

1 GBP = 1.17398 EUR

We use the mid-market rate for our Converter. This is for informational purposes i only. You won't receive this rate when sending money. Check send rates

Euro to British Pound conversion - Last updated May 12, 2022, 13:02 UTC



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GBP – British Pound

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Щ.	Resource Efficiency Capital Grant 2022	
Dashboard		
8	Closing Date: N/A Project O	Owner: N/A Status: Draft
Profile	Application Details Related Documents	
	1 2 3 4 5 6 7 8 9	Save draft
<u>m</u>	Viability	Download application
Company	* Is there a project plan in place with milestones and timeframes?	
	Yes O No	Submit application
++ :::::	* Is there sufficient finance available to the business to complete the project, prior to claiming back the funding?	Add Contributors
Events	As outlined in the Claims guidance information, funding for projects can only be claimed back after completion of the project. Businesses must initially provide the outlay for the project costs and then claim these back in arrears.	Withdraw application
ē	Yes O No No	
	* What is the source of the finance that will be used to complete the project, prior to claiming back the funding?	
Projects	Please note: Project expenditure obtained via hire purchase or trade-in is not eligible for financial support. Own funds	
2	* Do you accept that only fully installed, commissioned and paid projects are able to be claimed for?	
Applications		
	* Are you able to claim all expenditure by the end of the claim period?	
	The claim period for this scheme is detailed in the <u>Guidance Notes</u> . • Yes O No	
	* Estimated date for ordering equipment	
	01/08/2022	
	* Estimated date for delivery and installation	
	01/09/2022	
	Previous Next	
		Please remember to save your work using the buttons on the top right hand side.
		Return to top

Northern Ireland	ABOUT US MEDIA CENTRE CONTACT US PROFILE Support for business V International Bus
Dashboard	Resource Efficiency Capital Grant 2022
Profile	Application Details Related Documents
Company	1 2 3 4 Why is Invest NI funding required? *Without Invest NI funding:
Events	 Please select most relevant option. The project will go ahead regardless The project will go ahead, at a later date, at a similar scale The project will go ahead, but will take longer to complete The project will go ahead, but at a reduced scale The project will go ahead, but at a lower quality
ē	The project will be abandoned
Projects	* Without Invest NI funding:
Applications	 Please select the relevant option. Without the project we probably won't continue trading If successful, the project will account for a significant cost savin The project outcome is important to the business, but we have The project outcome is of modest importance to the business The project outcome is of minor importance to the business
	Previous



Invest Northern Ireland	ABOUT US MEDIA CENTRE CONTACT US PROFILE	European U European Re Development
	Support for business V International Business V News Events	Investment for Growth and
	Resource Efficiency Capital Grant 2022	
Dashboard		
	Closing Date: N/A Project	Owner: N/A Status: Draft
8	closing bate. It A Thojeet	ouncertory status. Drait
Profile	Application Details Related Documents	
	1 2 3 4 5 6 7 8 9	
<u>a</u>		Save draft
Company	Declaration	Download application
	By signing and electronically submitting this application, you confirm the following:	Submit application
	 I have not applied, and will not apply, to any other government department / local authority / research council / public body in respect of the costs of undertaking this project outlined in this application, unless otherwise detailed in this application. 	Add Contributors
Events	 I will allow access to the business, to any authorised person, for the purpose of carrying out an inspection, in order to verify the accuracy of the information in this application. 	Withdraw application
	 I will notify Invest NI in advance of carrying out any changes to the nature of this project. I understand that any expenditure incurred on this project outside of written approvals from Invest NI will not be eligible for 	
Ē	financial assistance.	
Projects	 I understand that Invest NI may release select information, relating to the participation of my business in this programme, in line with their <u>Privacy Notice</u> and their statutory obligations under <u>Freedom of Information</u>. 	
	 I understand that copies of all or some of the information provided in this application form may be provided to accountants, individuals and organisations, including governmental bodies, who Invest NI may consult with when assessing applications, 	
2	administering a programme and evaluating the award of a grant or for research purposes. I authorise any enquiries necessary to be made (including using personal information to conduct appropriate checks with credit reference agencies) to confirm the	
Applications	information contained in this form and assess the proposal.	
	 I will provide any further information as may be required by Invest NI. I confirm that I have attached the costs spreadsheet outlined in Step 6 of this application. 	
	* I understand that the limits on the support for this project are linked to the business size, as outlined at the start of this application and in the guidance notes.	
	 These limits are determined by the size of the business, as defined by the EU definition: Large enterprises - maximum of 10% of eligible project costs 	
	 Medium enterprises - maximum of 20% of eligible project costs Small enterprises - maximum of 30% of eligible project costs 	
	Authorisation	
	Authorisation	
	All applications must be authorised in the case of a Limited company, by a Director or the Secretary. In the case of a Sole Trader or	
	Partnership, by a Proprietor or Partner.	
	By electronically signing and submitting this application you declare the following: "I confirm that the information contained in	
in *	this form is true, accurate and not misleading as at the date of this form, and that Invest NI is entitled to rely on that information. I am authorised to apply for this scheme."	
	*Name	
	Mr A B Jones	
	* Position in Organisation	
	Director	
	+ Previous	
		Please remember to save your
		work using the buttons on the top right hand side.
		A Return to top