Application for SIP STRIM and EIT RawMaterials Innovation Competition 2019

More information is available on the website: www.sipstrim.se/idea-competition

Send your entry to terese.mella@sipstrim.se by 21 January 2019.

|  |  |
| --- | --- |
| Contact person |  |
| E-mail |  |
| Phone |  |
| Owner of idea |  |
| (Company) |  |

# 1 Innovation

Title:

# 1.1 Brief description of your idea/solution

Describe your idea with a few sentences, what it does, for who, and what unique benefits it has.

Start writing here…

# 1.2 Link to the SIP STRIM or EIT RawMaterial areas

Select the options where your idea fits.

|  |  |
| --- | --- |
|  | Exploration |
|  | Resource characterisation |
|  | Mining |
|  | Mineral processing |
|  | Recycling and metallurgy |
|  | Reclamation and environmental performance |
|  | Attractive workplaces |
|  | Gender and diversity in mining |
|  | Social license to operate |

# 1.3 Technical description of your idea

What does your solution look like? How does your idea solve the problem? Describe the technique on which the solution is based. What is unique?

Start writing here…

# 1.4 Benefits of your solution to the problem (50 words maximum)

Describe the main benefits of your idea/product/service for your intended client/market.

What are the technical benefits for the customer and the user? What advantages does the innovation lead to for the user? Can you quantify the value you create or save by using your innovation? Does your innovation create any additional value? Does your innovation create value or benefits for more stakeholders in the intended value chain for the product or service?

Start writing here…

|  |  |  |
| --- | --- | --- |
| **Function/technique** | **Advantage** | **Added value** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

# 1.5 Development Status TRL/CRL Level

TRL is a term for technological readiness associated technological risk, and can be used to confirm what activities are needed to implement research results in new products / processes.

Try to mark approximate status with respect to maturity for:

* TRL (Technology Readiness Level) and development status.
* CRL (Customer Readiness Level). When can it to be used by the client.

|  |  |  |  |
| --- | --- | --- | --- |
| **TRL-nivå** | | **CRL-nivå** | |
| TRL 9, Actual technology system proven in operational environment |  | CRL 9, Wide spread sales |  |
| TRL 8, Actual technology system completed and qualified through test and demonstration |  | CRL 8, First product sold |  |
| TRL 7, Technlology prototype demonstration in an operational environment |  | CRL 7, Customer in extended testing and/or first test sales |  |
| TRL 6, Technlology prototype demonstration in a relevant environment |  | CRL 6, Benefits of the product confirmed through partnerships and/or first customer testing |  |
| TRL 5, Technlology validation in a relevant environment |  | CRL 5, Established interest for product and relation with target customers |  |
| TRL 4, Technlology validation in laboratory |  | CRL 4, Confirmed problem/needs from several customers and/or users |  |
| TRL 3, Analytical and experimental proof-of-concept of critical function and/or characteristics |  | CRL 3, First marked feedback established |  |
| TRL 2, Technology concept and/or application formulated |  | CRL 2, Identified specific needs in market |  |
| TRL 1, Basic principles observed |  | CRL 1, Hypothesizing on possible needs in market |  |

# 1.6 Intellectual Property Rights

Is your idea protected? And if so, in what way, patent, design protection etc?

If not, how are you planning to protect it? Have you done any technical review to investigate if there are other protected innovations in development?

Start writing here…

# 2 Who is your end user and what does their needs look like?

# 2.1 Problem

Describe the problem that the idea/service/product is solving (background, problem, cost, environmental impact, etc.). Who has this problem? (market segment, target audience, customer)? How big is your target audiences? What trends or directions does this problem seem to affect and what are the future prospects?

Start writing here…

# 2.2 Who is the customer or the user of your innovation?

Who is the user of your innovation? What does the value chain look like and are there multiple user segments? Who will be using your idea first?

Start writing here…

# 2.3 What is the intended market and its value chain?

How big do you think the market is for your idea today? What does it look like in the future and is it growing? What obstacles exist? What are the top competitors in the market today? What does the value chain look like for your intended market, which segments and competitors exist today?

Start writing here…

# 2.4 What is the competition today?

Describe how your ideas relates to existing innovations. How do customers solve the problem today, and how strong is the need to solve this problem (driving forces, certifications, requirements and rules, environment, etc.)? Who solves the problem today? Are similar innovations or technologies available already?

Start writing here…

# 2.5 Risks and barriers

Are there any obstacles to your development? Are there any market or legal requirements that must be met (standards, standards, etc.)?

Start writing here…

# 3 Your team

# 3.1 Team members

Describe the project team, your company, and give a short résumé of the project manager.

|  |  |  |
| --- | --- | --- |
| **Name/title** | **Background/experience** | **Roll in the project** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Start writing here…

# 3.2 The ambition of the project and the next step forward

Describe what you will use the funding for, including milestones and timeline.

Start writing here…

# 3.3 Link to SIP STRIM and EIT RawMaterial's vision/objectives

Briefly describe how the idea addresses SIP STRIM / EIT RawMaterial's vision and strategy.

Start writing here…