Application for
Swedish Mining Innovation
Innovation idea competition 2023

*More information is available at: www.swedishmininginnovation.se/idea-competition*

*E-mail your contribution to cathrine.svakko@swedishmininginnovation.se no later than 15 February, 2023.*

|  |  |
| --- | --- |
| Company *(\*for info see 2)* |  |
| Contact person |  |
| E-mail  |  |
| Phone |  |
| Owner of idea |  |

# Innovation IDEA

* 1. Title

Start writing here…

* 1. Brief description of your idea/solution. What problem does your idea solve?

*Describe your idea with a few sentences, what it does, for who, and what unique benefits it has. Maximum 500 characters.*

Start writing here…

* 1. Which challenge does your idea adress?

*Max 1500 characters.*

Start writing here…

* 1. How does the idea address Swedish Mining Innovation’s vision and goals?

**Vision**A world leading mining and mineral producing industry contributing to a sustainable society

**Strategic areas**

* Innovation capacity – world-leading innovation capacity
* Technology development – global leadership regarding sustainable mining and mineral operations
* Social acceptance – development and general social benefits in mining regions
* Qualified personnel – the mining and mineral industry is an attractive and equal industry

*Describe how the idea adresses Swedish Mining Innovation’s vision and strategic areas. The idea can address one or many. Max 500 characters.*

Start writing here…

* 1. Gender and diversity

*Describe how the idea will contribute to increased gender equality and diversity, now and in the longer term. Max 500 characters.*

Start writing here…

* 1. Detailed description of the 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? Maximum 1500 characters.*

Start writing here…

* 1. Benefits of your solution of the problem

*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? Maximum 500 characters.*

Start writing here…

* 1. Development status, TRL level

*TRL (Technology Readiness Level) 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. Swedish Mining Innovation is looking for ideas that are at TRL level 4-7. Select the estimated maturity level for your idea by ticking the table below.*

|  |
| --- |
| **TRL level** *(more information on TRL level available at www.swedishmininginnovation.se)* |
|  | TRL 1 - Basic principles observed |
|  | TRL 2 - Technology concept and/or application formulated |
|  | TRL 3 - Analytical and experimental proof-of-concept of critical function and/or characteristics |
|  | TRL 4 - Technlology validation in laboratory |
|  | TRL 5 - Technlology validation in a relevant environment |
|  | TRL 6 - Technlology prototype demonstration in a relevant environment |
|  | TRL 7 - Technlology prototype demonstration in an operational environment |
|  | TRL 8 - Actual technology system completed and qualified through test and demonstration |
|  | TRL 9 - Actual technology system proven in operational environment |

* 1. 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? Maximum 500 characters. Max 500 characters.*

Start writing here…

* 1. 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? Maximum 500 characters.*

Start writing here…

* 1. 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? Max 500 characters.*

Start writing here…

* 1. 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? Maximum 500 characters.*

Start writing here…

* 1. Risks and barriers

*Are there any obstacles to your development? Are there any market or legal requirements that must be met (standards, standards, etc.)? Maximum 500 characters.*

Start writing here…

* 1. The ambition of the project and the next step forward

*Describe what you will use the funding for, as well as milestones and timeline. Maximum 500 characters.*

Start writing here…

# Your team, team members and organisation

*Describe the project team in the table.*

|  |  |  |
| --- | --- | --- |
| **Name/Title** | **Background/Experience**  | **Role in project** |
|  |  |  |
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*\* Describe the company, its operations, size and ownership. Note, there does not have to be a company at the time of application, but to be able to take part of the profits, there must be a registered limited company.*

Start writing here…

# How did you find the Innovation Idea competition?

*From where did you get information about Swedish Mining Innovation’s Innovation idea competition?*

Start writing here…