**MEMSA Innovation for Mining AWARDS 2024**

Theme: Smart Mining Solutions for People and Planet

**ENTRY FORM**

1. **COMPETITION CATEGORIES**
	* + 1. Innovation in Hard Rock Mining Equipment
			2. Innovation in Soft Rock Mining Equipment
			3. Innovation in Surface Mining
			4. Innovation in Mineral Processing
			5. Digital Solutions for Mining
			6. Innovation for an Energy Transition in Mining
			7. Innovation for Zero Harm
			8. Innovation by an SMME
			9. Innovative Use of Data
			10. Collaboration for Innovation

**2. WHAT TO SUBMIT**

2.1 A completed entry form in both **Word**and**pdf format**with completed signature page.

2.2 Each company may enter a maximum of **two items**, each item may be entered for up to two categories (from Categories 1-7). *Use a separate entry form for each item, please.*

2.3 For each entry, complete Part A & Part B. If entering for themed categories 6 or 7, please *ALSO complete the relevant section in Part C.*

2.4 To enter for **Category 9 ‘Innovative Use of Data’** or **Category 10 ‘Collaboration for Innovation,’** please complete the relevant section in Part D, and submit with any other entry, ***OR on its own*** *with Part A as cover page.*

*NB: Companies may enter for these awards whether they are entering equipment for other awards, or not.*

2.5 Entries will be evaluated anonymously, so please ***do not refer to the company or product brand name*** on the **PART B, C or D** of the entry forms.

*\* Note, NO additional text, visual material, or web links submitted with an entry will be considered by the judges.*

**3. ENTRY REQUIREMENTS**

3.1 This competition focuses on the South African mining equipment industry and to compete, a company **must be at least 26% South African owned**.

3.2 The company must manufacture products (including software and ICT systems) within South Africa, for the mining industry.

3.3 Relevant products include equipment, components, machinery, software or systems, used in the mining process (ore extraction), or mineral processing, both surface or underground.

3.4 Equipment or technologies entered must have been **trialed and approved by at least one mine**.

**4. COMPETITION RULES**

4.1 Each company may submit a maximum of **two** items for award categories 1- 8.
In addition, all eligible companies may enter categories 9 and 10.

4.2 Entries must be submitted as indicated on the entry form by no later than **Monday 1st April2023** to **awards@memsa.org.za.**

4.3 The judge’s decision is final, and entries will be judged against other entries in the same category.

4.4 Where one item has earned one award, and scores highest in a second category, the judges may award the entry with the second highest score, in that category.

4.5 Incomplete entry forms may be excluded.

4.6 MEMSA or the judges may contact entrants to request further information from the entrant or their client(s) and where necessary visits will be conducted for shortlisted candidates.

4.7 A winner will be selected in each category where there are three or more entries OR the judges deem at least one entry to represent above average achievement. Winners will receive a trophy and certificate.

4.8 Winners and outstanding entries will receive publicity via industry media, as well as the MEMSA website and social media platforms. The awards ceremony will be a publicised online or in-person event.

4.9 Finalists will be announced in **May 2024** and will be expected to have at least one representative participate in the in-person awards ceremony.

4.10 Entrants agree to be bound by the terms of the Entry Form and these Entry Guidelines and Rules and by the decisions of the judges, which are at the sole and absolute discretion of the judges and are final and binding on all matters pertaining to this competition**.**

4.11 No purchase is necessary to participate. Any taxes payable on prizes are the sole responsibility of the winners.

4.12 The MEMSA Innovation for Mining Awards rules are subject to modification by MEMSA at MEMSA’s sole discretion. MEMSA reserves the right to verify the qualifications of each entry and to disqualify ineligible entries.

4.13 MEMSA is not responsible for lost, late, damaged, incomplete, or illegible entries, or for human error or any computer, online, telephone, or technical malfunctions that may occur.

4.14 All entries become the property of MEMSA and will not be returned.

4.15 Any failure to adhere to these Contest Rules may result in disqualification from the competition.

**PART A: COVER PAGE**

*Please complete digitally, then sign the completed form as a pdf / print copy.*

|  |  |  |
| --- | --- | --- |
| 1 | Company name |  |
|  | Contact name |  |
|  | Contact email |  |
|  | Contact phone number |  |
| 2 | Number of items you are entering |  □ One □ Two |
|  | Are you entering Category 9 ‘Innovative Use of Data’? |  □ Yes □ No |
|  | Are you entering for Category 10 ‘Collaboration for Innovation’? |  □ Yes □ No |
| 3 | Size of company |  □ Micro/Small: Up to 50 employees (equivalent of full time) □ Medium/Large: > 50 employees (equivalent of full time)  |
| 4 | Currently a member of MEMSA |  □ Yes □ No |
|  | **Note that MEMSA or the judges may contact entrants to request further information from the entrant or their client.** |

**PART B: PRODUCT ENTRY FORM:**One or more aspect of the product may be described as innovative

|  |  |  |
| --- | --- | --- |
| 1 | **Product** being submitted *(Do not include company or brand name)* |  |
| 2 | **General Category** into whichyou are entering **this product** *Please tick no more than ONE relevant box* |  □ Innovation in Hard Rock Mining Equipment  **□** Innovation in Soft Rock Mining Equipment **□** Innovation in Surface Mining **□** Innovation in Mineral Processing **□** Digital Solutions for Mining |
| 3 | **Optional: Special category** into which you are entering this product (tick no more than ONE box) |  **□** Innovation for an Energy Transition **□** Innovation for Zero Harm |
|  | May we also consider your entry for the ‘Innovation by an SME’ award, if it does not win in another category? |  □ Yes □ No |
| 4 | **Year in which product reached the market**   |  * 2022 □ 2023 □ 2024
 |
| 5 | **Technical product description**(Images must be pasted into **Annexure A** below, but they may optionally also be submitted as image files with your company and product names as file name.) | Maximum of 250 words, plus two images |
| 6 | **Describe the innovation brought to the mining industry by your product or project**What sets your product apart? Describe its novelty, and how it differs from what has been used in the past. *How does it stand out in its product category, and reflect why you are on the upswing of an industry trend?* | Maximum 200 words |
| 7 | **Demonstrate impact**Provide **metrics** that illustrate the impact of your innovation on the mining industry. Focus on **existing impact**; a projection may be added.Important: please include **quantitative** information and findings from tests and trials, and if possible, please include comparative data. | 150 words plus 1 page attachment |
| 8 | **Tell your story in a larger context**Think about the larger conversations that are defining the SA and African mining industries this year and whether and how your company and its innovations are influencing them/make an impact in this context. | 120 words |

*Weighting of criteria: Innovation 30% (Question 5 & 6); Impact 40% (Question 7); Relevance to context 20% (Question 7&8); Judges’ impression 10%*

**Note that MEMSA or the judges may contact entrants to request further information from the entrant or their client.**

**ANNEXURE A: IMAGES (for Section 5)**

(Note: Maximum 2 images, both must be pasted here, they may optionally be added to your entry as image files.)

**ANNEXURE B: 1 PAGE INFO SHEET (may include data, charts etc. (Section 7))**

**PART C: FOCUS ON THE THEME**

**Additional information required if entering theme Categories 6 or 7, otherwise PART C may be deleted.**

**Category 6: Innovation for an Energy Transition**

This section is to assist the judges in awarding the special category prize. Whereas you may have provided information on a range of aspects of your item, please now point specifically to the innovative aspect/s which reduce the emission of greenhouse gases.

If you completed Part B, *you MAY repeat content from Part B as relevant.*

Use up to two pages for relevant illustrations & graphs.

|  |  |  |
| --- | --- | --- |
| 1 | Technical description of your innovation which contributes to an energy transition. | Max 200 words |
| 2 | **Describe how your innovation contributes to an energy transition** (Reduced the reliance on fossil fuels? Increased use of alternative energy sources?) and **demonstrate the impact** in terms of energy use (How much energy is used, and type of energy used; compare to current usage/alternatives). Please provide quantitative data where possible. | Max 200 words |
| 3 | What sets your product apart? Describe its **novelty**, and how it differs from existing /conventional technologies, locally and globally. | Max 150 words |

**Category 7: Innovation for Zero Harm**

This section is to assist the judges in awarding the special category prize. Whereas you may have provided information on a range of aspects of your item, please now point specifically to the innovative aspect/s which support Zero Harm in mining, by improving safety and reducing health impacts on mine workers and those affected by mining.

If you completed Part B, *you MAY repeat content from Part B as relevant.*

Use up to two pages for relevant illustrations & graphs.

|  |  |  |
| --- | --- | --- |
| 1 | **Technical description of your innovation which contributes to an energy transition** | Max 200 words |
| 2 | **Describe how your innovation contributes to zero harm in mining** (improves safety or health impacts of mining activity) and **demonstrate the impact** in terms of zero harm (improving safety and health impacts) | Max 200 words |
| 3 | What sets your product apart? Describe its **novelty**, and how it differs from existing/conventional technologies, locally and globally. | Max 150 words |

**SECTION C Continued**Illustrations and graphs for Category 6/7

**PART D**

**Category 9: Innovative Use of Data**
Are you analysing, sharing, incorporating, or learning from data in a new way which benefits the mining process and industry, whether through a product or service?
We’d love to showcase your work, and award the top example entered.

|  |  |  |
| --- | --- | --- |
| 1 | Describe **how data is used, processed or managed** in your technology / system / technique, and for what purpose? | 150 words max |
| 2 | **What sets your work with data apart?** **Describe the novelty** of what you are doing now, and how it differs from past practices. Is your practice new in the company, local, or global context? | 150 words max |
| 3 | **Demonstrate the impact** of this particular use of data (productivity, safety, energy conservation, or any other goals for the mining industry). Present quantitative data if at all possible. | 150 words max; graphics may be added to the next page  |
| 4 | **Tell your story in a larger context**How does your innovation contribute to the key conversations, and ‘growing edges’ of mining in South Africa and Africa? | 100 words max |
| 5 | How did **different entities** (departments, companies etc.) **collaborate** to make this use of data possible? What steps were taken to ensure effective collaboration? | 150 words max |

*Weighting of criteria: Innovation 30% (Question 1 & 2); Impact 30% (Question 3); Relevance to context 10% (Question 4); Demonstrates effective collaboration 10% (Questions 5); Judges’ impression 10%*

**Category 10: Collaboration for Innovation**

With the rapid evolution of digital and data-driven technologies, and complex, inter-connectied global markets and supply chains, collaboration is the name of the game. Let us know how **your collaboration with another entity** allowed you to **innovate a product or process**, and so deliver **better value to the mining industry**? This collaboration could be with a partner company, research institution, client, service provider, consultant etc.

|  |  |  |
| --- | --- | --- |
| 1 | Describe the **nature of the collaboration** between your organisation and a partner entity.What did you work on together? What did each entity bring to the table?How is/was your collaboration structured?Over what period did you collaborate? | 200 words max |
| 2 | Describe **how this collaboration enabled innovation**. | 100 words max |
| 3 | **Describe one or two innovations** that came out of the collaboration briefly. What was novel or new, in the context of your organisation/ industry/in SA/internationally? | 200 words max; 2 images may be added to the next page |
| 4 | **Demonstrate the impact** of the innovation/s (productivity, safety, energy conservation, or any other goals for the mining industry). Present quantitative data if at all possible. | 200 words max; 2 graphics or data tables may be added to the next page |
| 5 | **Tell your story in a larger context**Think about the larger conversations that are defining the SA and African mining industries this year; how does the innovation you achieved through collaboration, contribute? | 100 words max |

*Weighting of criteria: Innovation (something novel was created) 30%; Demonstrated that collaboration effectively enabled/supported innovation 30%; Impact 20%; Relevance to context 10%; Judges impression 10%*

**Categories 9 or 10: Images and Graphics**

**End of Entry Document Information**

I hereby declare that:

The company entering is at least 26% South African owned and all the information presented above is, to my knowledge, true and correct at the time of entering.

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Designation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Duly authorised to submit this entry on behalf of the company.