



**CAPE
LEOPARD
TRUST**

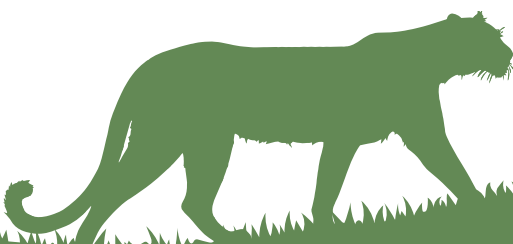


Mobi-kraal

A CAPE LEOPARD TRUST INITIATIVE

Conservation Kraal Challenge

Individual/Team Entry Questions



1. Important details

1.1. Competition details

Please take specific note of the following eligibility requirements before completing this form:

- All participants and team members must be South African citizens, or permanent residents of South Africa
- All participants must be 18 years or older at the time of entry
- Participants may enter as individuals or as teams of no more than 5 people
- Participants may not be part of more than one team or individual competition entry
- The competition is open to participants across multiple disciplines, however it is recommended that participants have some degree of engineering, agricultural and/or conservation experience
- Teams may be made up of multidisciplinary expertise and varying degrees of qualification, including students, professionals and amateurs
- Anyone employed by, affiliated with or closely related to (i.e. spouse, parent, child, sibling, grandparent, and “step” child) the CLT or member of the judging panel will not be eligible to compete or assist participants

At the core, the submitted design must be for your vision of the Mobi-kraal - a mobile kraal that provides livestock with at least overnight protection against predators. All information relevant to the competition scope and submission process can be found in the Conservation Kraal Challenge [Competition Guide](#), as well as information and links to resources on predator behaviour, predator-livestock interactions and current kraal designs.

The entrants must designate a Team Leader from within the team, through whom all correspondence will be sent. In the case of an individual entering on their own, the individual is synonymous with the “Team Leader”. One completed entry must be submitted per team leader via the [Entry Portal](#) by 30 June 2024 in order to be considered for judging.

Any queries or problems experienced with the application process may be directed to mobikraal@capeleopard.org.za.

1.2. Scoring Criteria

1.2.1. Mandatory Requirements

The mobile kraal design **must meet the following specifications** to be considered eligible for minimum scoring:

- Must be an enclosure with at least one entrance (which must be able to open and close securely)

- Must be suitable for containing sheep and/or cattle
- Must be designed to exclude predators (e.g. leopard, jackal, caracal, brown hyena) and therefore have sufficient height, be difficult to climb over or under, be able to support weight/strength of an animal, etc.
- Must be light and small enough to transport by Code B vehicle (or tractor) with attached trailer on 4x4 tracks/farm roads
- Should be suitable for two people (adults) to assemble and disassemble
- Should be designed for the option of use on rugged, uneven terrain
- Must be designed to withstand strong winds and extreme temperature conditions (frost, snow, high heat, UV)
- Must not cause intentional harm to predators.

1.2.2. Recommended specifications

Higher scores will be awarded if the mobile kraal design entry makes provision for the following specifications:

- Affordable/cost-effective for both subsistence and commercial farmers
- Adaptable and suitable for containing up to 200 sheep, or 50-60 cattle, having regard for animal welfare
- Scalable/modular
- Reduced visibility through the sides for both livestock and predators
- Blends in with natural environments
- Any additional features that may aid in the deterrence of predators, but subject always to the Mandatory Requirement that the design must not cause intentional harm to predators.
- Making use of recycled / environmentally sustainable materials may receive bonus points.

2. Team details

The following details will need to be provided on the online form within the Entry Portal in order to proceed to the design submission steps (3-5) of the entry process:

Team details

Team Name

Affiliation

- Personal/private capacity
- Business, Name/Sector
- Educational institution, Faculty/Department
- Public Benefit Organisation (NPO, NPC, Trust, Association), Name/Sector
- Government or parastatal organisation (local, provincial, national), Name/Department

Entrant Details

Team member #1 - Designated Team Leader, or sole entrant if individual entry

- First Name
- Surname
- Nationality
- If not RSA, do you have RSA permanent residency? Yes/No
- ID number or passport number
- Town and province
- Email address
- Contact number

Team member #2

- First Name
- Surname
- Nationality
- If not RSA, do you have RSA permanent residency? Yes/No
- ID number or passport number
- Town and province
- Email address
- Contact number

Team member #3

- First Name
- Surname
- Nationality
- If not RSA, do you have RSA permanent residency? Yes/No
- ID number or passport number
- Town and province
- Email address
- Contact number

Team member #4

- First Name
- Surname
- Nationality
- If not RSA, do you have RSA permanent residency? Yes/No
- ID number or passport number
- Town and province
- Email address
- Contact number

Team member #5

- First Name
- Surname
- Nationality

- If not RSA, do you have RSA permanent residency? Yes/No
- ID number or passport number
- Town and province
- Email address
- Contact number

3. Terms and Conditions

The team leader will be required to confirm that all members of this team have read through, understand and agree to the stipulated Conservation Kraal Challenge [Terms and Conditions](#), including the attached Cape Leopard Trust Confidentiality and Non-Disclosure Agreement (Schedule A).

4. Mobi-kraal design

Your Team leader will be required to upload a PDF document with images of your design, including any relevant illustrations, working drawings, schematics, and custom part/detail drawings where relevant. Include dimensions or annotations in the images where appropriate. This document may not be larger than 50 MB in total.

5. Mobi-kraal design questionnaire

Answer the following questions as thoroughly and concisely as possible. If the answer to a question is “no”, please justify your answer (note that a “no” answer does not automatically constitute a “0” score, as long as justification/consideration of limitations is provided). Please take note of stipulated word limits.

Dimensions

- a) What are the total dimensions of your design? 200 word limit
- b) How many animals can your design accommodate? 200 word limit
- c) What other considerations have you included in terms of the dimensions of your designed Mobi-kraal? 200 word limit

Materials

- a) Provide a list of all materials included in your design, as well as sources/suppliers and costs in ZAR (market price at the time of your entry). If custom parts are required, please include manufacturing cost. 300 word limit
- b) Based on materials used, how long would you expect your Mobi-kraal to last with regular use? 200 word limit

Mobility

- a) Describe in detail how your designed Mobi-kraal would be moved between locations, including deconstruction, transport and assembly. 200 word limit
- b) Explain what considerations and components, features or functions have been included in your design to accommodate mobility. 200 word limit

Predator exclusion

- a) Describe how your Mobi-kraal design is designed to exclude predators. 200 word limit
- b) Explain what considerations and components, features or functions have been included in your design to accommodate predator exclusion. 200 word limit

Durability

- a) Explain what considerations and components, features or functions have been included in your design to accommodate environmental conditions. 200 word limit
- b) Explain what considerations and components, features or functions have been included in your design to accommodate weight, pressure or movement of predators and livestock. 200 word limit

Suitability for livestock

- a) Which livestock types have you considered in this design? 100 word limit
- b) How does your design's height and strength take livestock safety and security into account? 200 word limit
- c) How does your design allow for provision of water and/or supplemental feed for livestock? 200 word limit

Landscape suitability

- a) Which of the following landscapes/substrates would your design be suitable for? Please describe any potential or expected limitations. 200 word limit
 - Uneven/rocky terrain
 - Sandy substrate
 - Woody vegetation/plantation
 - Shrubland
 - Grassland
 - Slopes

Aesthetic considerations

- a) Describe any considerations you have made for the aesthetics of your Mobi-kraal design. 200 word limit