


Application of an animal ramp for the Swift & Easy movement of animals in & out of the carriage

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Challenges

- One of India's leading animal zoos wanted to ensure that their animals can climb in and out safely onto the animal carriage trucks
- Since these are wild animals the equipment needed to be very easy to deploy, use and it should not cause any harm to the animals.

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Solution

- Nandan designed a two-fold hydraulic ramp retro-fitted at the back of Eicher, BB & Tata Trucks that easily unfolds and deploys on the ground at the press of a single button
- The ramp has self-supporting legs at the bottom, railings on the sides and rough surface to avoid animals from slipping while climbing
- The gradient of deployment is also not steep and animals can climb easily with minimal effort
- The ramp has a capacity of 1 Ton and also serves as the rear door of the truck in the closed position.

Results

- Easy one touch operation for fast & effective operations.
- Safety of the wild animals guaranteed due to Robust build quality.
- Easier for the animals to get in & out of the carriage due to optimal gradient.