Terra

Right-Live-Stock

Re-thinking for animal farms for a sustainable world

Fig: 1 *– A bustling urban square with multiple transportation systems*

Premise

With a growing population, the consumption and popularity of meat and dairy products have been skyrocketing. A lot of ethnic origins advocated for a balanced plant origin and animal origin diet – or at least constraints to balancing both. But as we urbanize more, meat and dairy consumption globally has grown 400% in the last decades and is continuing to grow more.

With a growing city population and sectoral depletion of natural resources not only animal habitats close to cities have shrunk to almost limits. At the same time, an entire industry is now set up to raise livestock in closed atmospheres and feeding them with genetically modified food and medicines for raising yields.

This leads to not only poor living conditions for animals – at the same time humans consuming dairy, meat products are prone to ingesting such chemicals and agents with them.

Where is the balance?

Fig: 2 *– A bus stop in an urban condition at night serving as a street light*

Pushback

While the world is pushing towards plant-based diet and vegetarianism, deteriorating conditions of animal farms are still a persistent issue for most places globally.

The lack of design thinking and empathy in developing the right kind of livestock farms is a major cause of diseases and even the pandemic we are living through. Everything is somehow related to such mismanagement at the ground level.

'We are what we eat'– Is always said and understood by all since childhood. If that's the case then why do humans eat from places that are cruel and unhealthy for animals themselves?

The design subject has been always paradoxical and never addressed in general. **How can we bring design ingenuity and instill more empathy in building the right kind of dairy, poultry, livestock farms?**

Fig: 3 *– Problem - Despite any location a dairy farm is an engineering solution*

Brief

The design challenge looks at a dairy farm for cattle in a peri-urban condition. Consumption of dairy is global yet the farms they come from are always an afterthought.

The design of the farm as an exercise is often ignored and eventually ends up being an efficiency problem of fitting more and more in less space which shouldn't be the case.

The problem is to understand economic restraints and deliver a balanced living environment for dairy farms.

How many levels should be placed? How can hygiene be efficiently practiced? If there are limited grazing areas how can we ensure there are enough physical activities for animals? How much lighting and air should be enough? How can resting areas or outdoor areas make a balanced life possible in restrained spaces? How can we excise weather control in such tight budgets – especially in extreme climates? And similar questions require to be answered in this design challenge.

Objectives

Issues: Identify the top 5 issues persisting with animal farms globally and their causes. Addressing them head-on is the right way.

Planning: A dairy farm has several concerns – comfort for animals, hygiene, ventilation, maintenance, isolation room, healthcare spaces, storage areas, etc.

Understanding limits: Identifying limits of how much should be an ideal limit

Modularity: How can parts or the entire design be replicated across similar situations at other places?

Site

The site can be in any city of any scale in the world. The capacity is 100 animals. The site is 60m x 60m placed in a peri-urban region of a city, with limited grazing pastures around it. The adjoining context can also be borrowed from a site of your choice; however, the design of the dairy farm holds more weight than context information at large. The height and other building constraints are kept unrestricted for this competition.

How to submit?

Read all the competition rules and details from the sidebar, and hit **register**. You can pay the entry fee and book your registration right away. The additional resources directly unlock as soon as you register on your dashboard. Once you are ready with your project - begin uploading from the dashboard and follow this tutorial to submit. You can add your team members to your project while submitting.

Discover the full submission tutorial here: https://to.uni.xyz/uploadtutorial

Rules

You have to deliver an architectural outcome on the following site, based on the given outlines.

1. Recommended number of sheets/presentation images/boards:
   3 (Three) of size [2800px x 3500px] in **portrait digital format** (**JPEG only**).
2. Minimum 3 (Three) & No maximum sheet limit. Each image should be less than 15MB. (Do not submit PNG format)
3. Minimum requisite submissions are sheets/boards + Cover image containing:
    a. Site plan (Compulsory)
    b. Key conceptual sections x 1 (Minimum)
    c. 3D views x 4
    d. Additional cover image of 2000px x 1000px
    e. Write an article/story in the Journal section# of the project (of about 700-1000 words) answering the questions given in the Additional Resources.

#Journal Section appears midway in the project submission portal. More instructions in the additional resources.

Additional Resources

This competition contains additional resources that contain a set of files useful to complete the competition submission. This folder is made available on your profile dashboard automatically as soon as you register.

This additional resource folder of this competition contains:
Submission Format files in PSD | AI | InDD & Guide to Journal Section + Questions

Learn more on https://uni.xyz/competitions/right-live-stock/info/about

Base Rules

+ The competitions are open for students and professionals from all the disciplines of design.

+ The team limit for this competition is 4 members maximum per team.

+ You can register more than one team but they have to be registered separately.

+ Ensure that the final sheets submitted do not include your name or any other mark of identification.

+ Your submission is linked to your UNI user account which stands as your identification, we do not have any identification codes.

+ This is a design ideas challenge only. There is no built commission/realization associated with the problem.

+ In case of publication in the yearbook we will reach out separately for selected entries.

Pro Tips

+ Use exploded views to discuss multi-levelled conceptual models better.
+ Mention sheet number on the corner of every sheet.
+ Plagiarism of any idea/form/design/image will be disqualified with a notice.
+ All the sheets or images will be viewed on a digital device. e.g., Laptop screen or projector. Uploaded sheets or images will not be physically printed for evaluation. The submission hence should be prepared for digital viewing only.
+ Submit JPEG images only. (PNG will not function)

Judging Criteria

The entries will be judged by an international jury of the competition on the following criteria:

Presentation: The fundamental to a good entry is a visual delivery of ideas.

Concept/Idea: Quality of thought and intent in the pre-design phase.

Spaces/Program: How the spaces are calculated and ordered.

Design Outcome The final architectural outcome of the solution.

The judging panel can also add other criteria based on their internal discussions - which will be in line with the problem statement. Participants are advised to fulfil the above-given criteria first in their design. Names of the jury panel will be announced soon.

Prizes / Deadlines / Registration

For complete information on active prizes and details on the entry fee, visit the **Awards & Fees** section of the competition here: - **Awards&Fees**

Learn more about this competition here: https://uni.xyz/competitions/right-live-stock/info/about

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