

# TANISHA JAIN

## WORK EXPERIENCE

### Researcher,

Independent research: Indigenous Knowledge for Disaster Resilience

Nov. 2019 onwards · 1 year (part-time)

- Responsible for listing, documenting and communicating traditional practices for disaster risk reduction and enhanced resilience. In the two member team, we are currently sharing our pilot and seeking funding from Local self governments and NDMA.

### Project Officer,

GRIHA Council (Green Rating for Integrated Habitat Assessment),

Sustainable Habitat division of TERI (The Energy and Recourses Institute), New Delhi

May 2016 – August 2017 · 1 year 4 months

[www.grihaindia.org](http://www.grihaindia.org) , [www.teriin.org](http://www.teriin.org)

- Worked with a diverse team of government and multidisciplinary professionals to review, evaluate and rate Green Building projects in India.
- Executed and delivered sustainable building training programs.
- Technical review of green building materials and products for GRIHA Product Catalog.
- Member of the GRIHA Certified Professional Examination development team.
- Participated in Marketing & Business Development initiatives, working on the market analysis and marketing strategy with the consultant.
- Research towards continuous growth and development of the rating system.

### Development Corporation Intern, Global Minds Scholarship

Local identity and change, architectural and urban challenges, Santa Cruz, Bolivia.

July - August 2018 · 2 months

- New waste management system and a redevelopment plan for Normandia landfill was designed for due implementation in 5 stages over the next 40 years.
- Project constituted a detailed on-site research into residential settlements and economic activities dependent on the landfill.

### Research Assistant,

Urban Projects, Collective Spaces and Local Identities, San Jose, Bolivia.

Feb. - July 2018 · 6 months

[www.collectivespaceskuleuven.be](http://www.collectivespaceskuleuven.be)

- Project began as research assistance to my professor at university. We aimed at specific complex development issues of the indigenous people, migrant Latinos and matter of sustainable tourism in area of San José de Chiquitos, Bolivia.
- On arrival at site, a new storm-water management plan was designed in the streetscape of the town, and presented to the Mayor.

### Architect Intern,

Rajinder Kumar and Associates (RKA), New Delhi

Jan. - June 2014 · 6 months

[www.rkaindia.com](http://www.rkaindia.com)

- Master plan: Mahindra Satyam SEZ, Nagpur, mixed-use tower, sector 80, Gurgaon.
- Completion drawing: Novotel, Pullman, Pride Hotel at Aero-city, IGI Airport, Delhi.
- Construction Details, Interior Design: Ocus Mall, Manesar, NIIT , Greater Noida.

## EDUCATION

Bachelor of Architecture: Rajasthan Technical University, 2010-15.

M.Arch. (Resilient and sustainable strategies): K.U. Leuven University, 2017-19.

International exchange on scholarship: Polytechnic University of Valencia, 2018-19



## ARCHITECT, SUSTAINABILITY SPECIALIST

Demonstrated history of (inter)national collaborations working in research and green building certification industry in India, Bolivia, Morocco and Belgium. Skilled in :

- Analysis to inform policy, regulations and institutional mechanisms to foster resilient and sustainable developments.
  - Net-zero energy buildings, passive systems
  - Air, waste-water, solid-waste management.
- Resourceful and organized with good leadership and interpersonal skills, holding M.Sc. focused in sustainable and resilient strategies from K.U.Leuven University, Belgium.

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📄 <https://issuu.com/tanishajain/docs/p-23>

## SKILLS

- Architectural design
- Urban planning
- Sustainable development
- Research
- Net-zero
- Circular city models
- Green Certification
- Program Mgmt.
- Analytical skills
- Problem solving
- Leadership
- Self-motivated

## SOFTWARES

- Adobe suite
- Microsoft office
- AutoCAD
- Rhino
- Sketch-Up
- Ecotect
- Revit
- ArchiCAD
- IES
- GIS

## LANGUAGES

- English ●●●●●●●●
- Hindi ●●●●●●●●
- Spanish ●●●●○○
- Dutch ●●○○○○

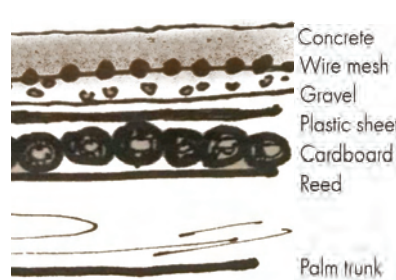
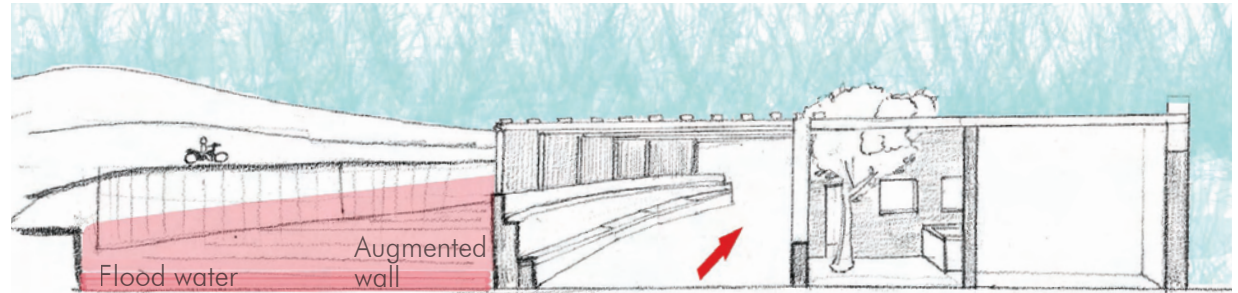
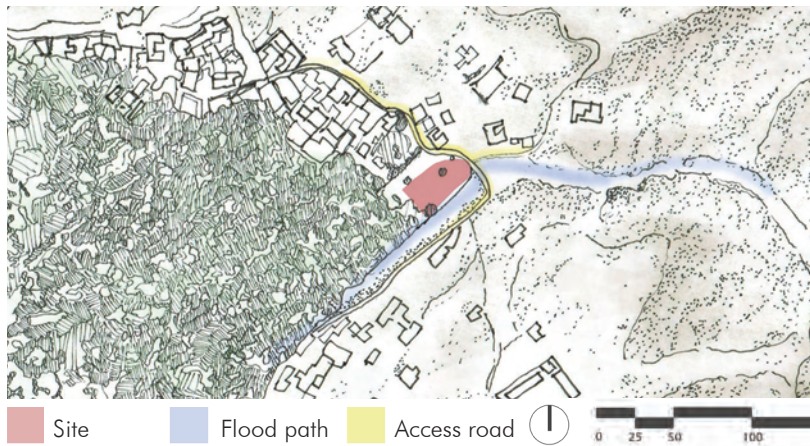


# FUTURE RURAL VILLAGES // OULED MERZOUG, MOROCCO: WELCOME WILLING WORKERS

The 'Future rural villages' design studio, highlighted the need of research related to local values and materials and intended to develop a coherent vision on the sustainable development and innovation of local architecture.

Key words:

- Indigenous material and constructive characteristics
- Sense of space and scale
- Flood re-direction
- Augmentation of existing wall
- Community space
- Women and children
- Local economy



Slab section



Market day on the axis-wall



Longitudinal section

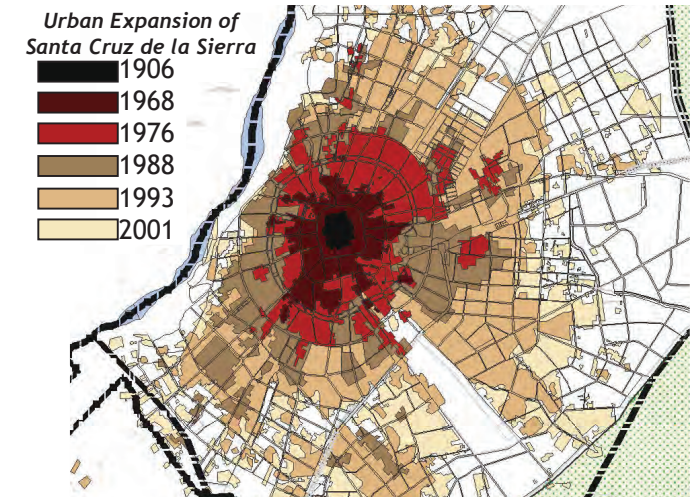


# LOCAL IDENTITIES AND CHANGE // THE CASE OF BARRIO NORMANDIA, SANTA CRUZ, BOLIVIA: TOWARDS A NEW WASTE MANAGEMENT SYSTEM

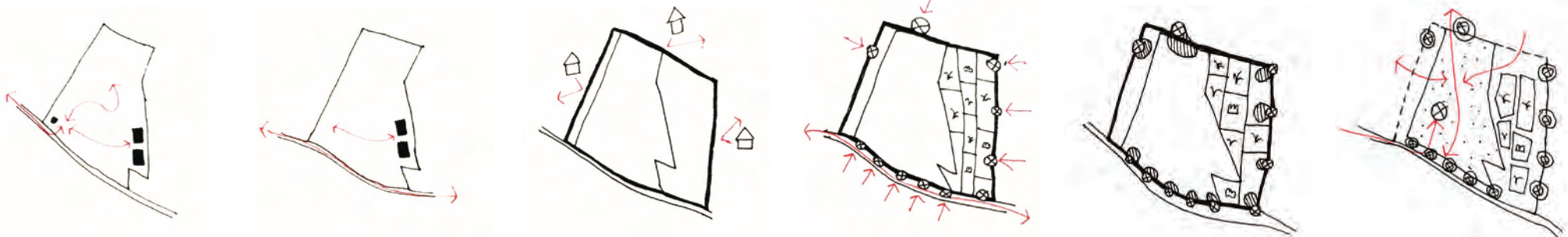
This project focuses on neighbourhood Normandia, consisting 60 acres of dumping area- the biggest landfill of Bolivia. Since the explosive expansion of the city, the urban settlement has reached the surroundings of the dump. Project was aimed at urgent need for plans and design strategies for the future of the closed landfill to prevent more end-of-pipe-solutions and illegal land grabbing.

Key words:

- Re-development plan
- border strategies
- local needs to prevent land grabbing



0. Current Situation Today	1. CLOSING the landfill 2019-2020	2. PROTECTING the dumping area 2020	3. ACTIVATING the borders 2025	4. EXPANDING to the centre 2030	5. IMPLEMENTING city-scale functions 2040-2050
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Trucks arrive daily from the city to deliver new amounts of waste. It's dumped in the dumping area and partly recycled in the industrial halls.

Landfill closes and another opens further away. Main road is used for this alternative dump. Recycling centre gains capacity and starts processing all tires.

A physical border is established to avoid illegal ground occupation. Only on the east side it is possible to integrate a new buffer zone.

Specific local functions are established along the border. They activate the area as a public space, instead of a residential settlements.

Local functions have the possibility to expand towards centre of the landfill over time. Tires will disappear due to advanced recycling process and lagunas closed one by one.

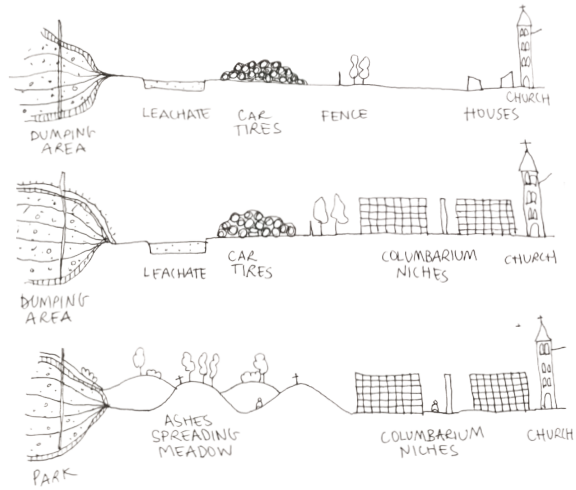
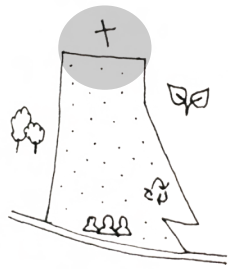
After the dumping area is clear for human use, city scale functions can be implemented. The whole area is opened for public use.

↓  
towards a new waste management system

↓  
border strategies

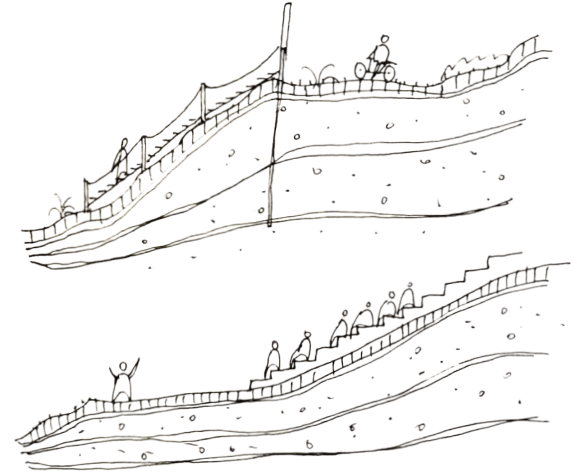
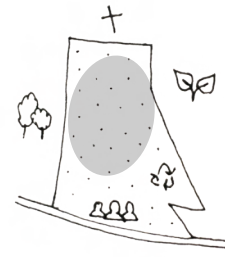
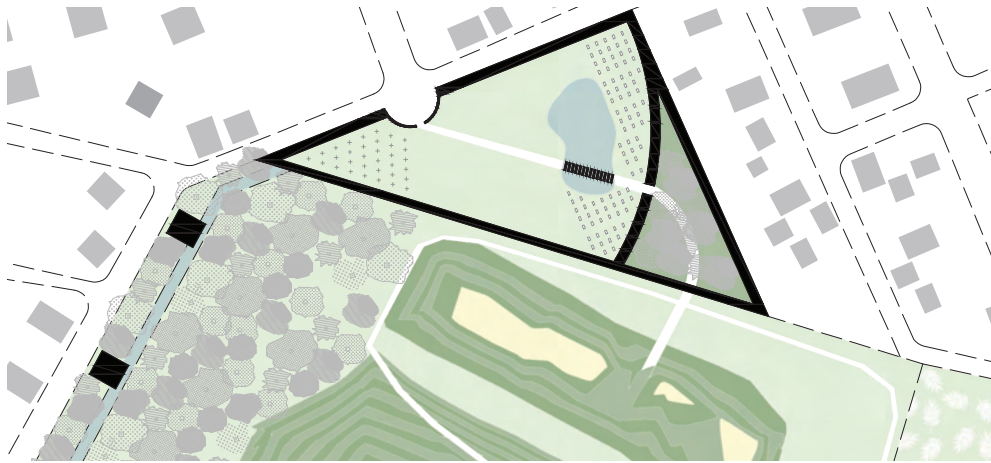
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cemetery, recycling centre, forest, market, communal axis, non-food agriculture.

↓  
city park & amphitheatre



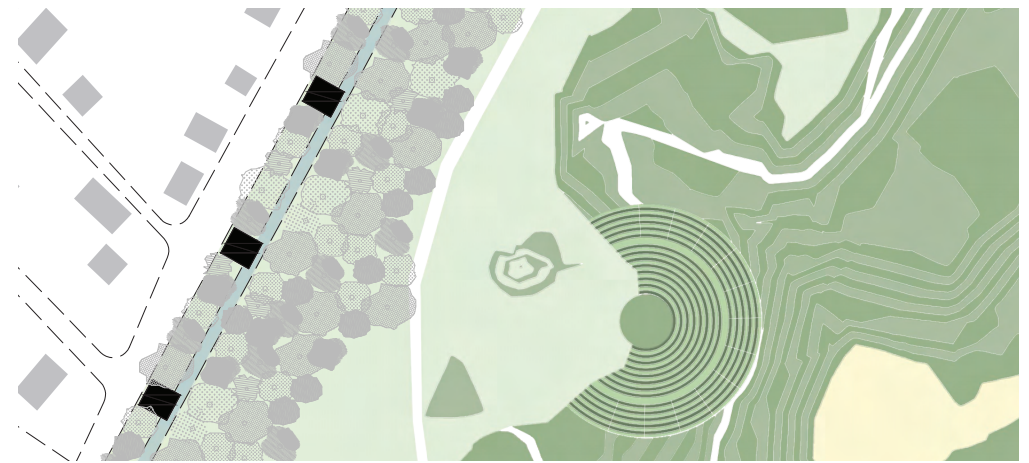
Border strategy - North Cemetery as a buffer.

Local function make people respect the land and prevent squatting. Church is 100 meters from the fence. The columbarium niches function as temporary wall, opening later when leachates and car tires disappear, making space for a serene landscape.



Center- City-park and amphitheatre.

After 20-30 years, proposal of a city-scale function which transcends the local character of the borders: A green park with mirador. Western side of dumping area, the topography allows implementation of amphitheatre for multi-purpose activities.



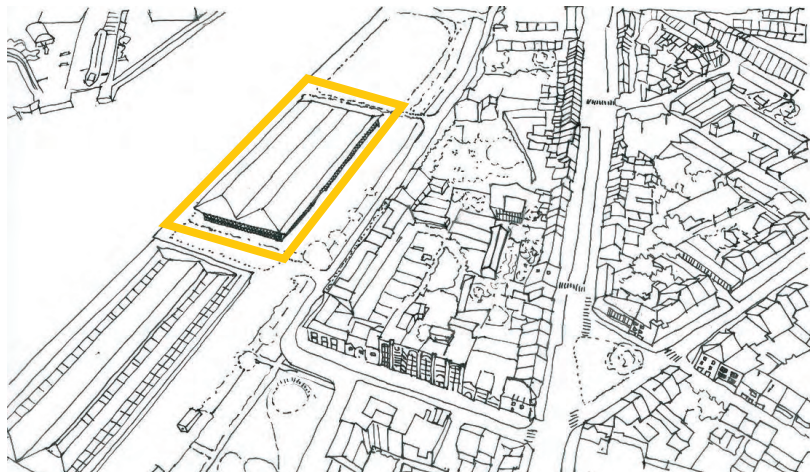


# HEALING THE CITY// HOUSING AS A SERVICE (HaaS) : FUTURE OF RENTING MILLENIALS IN GHENT.

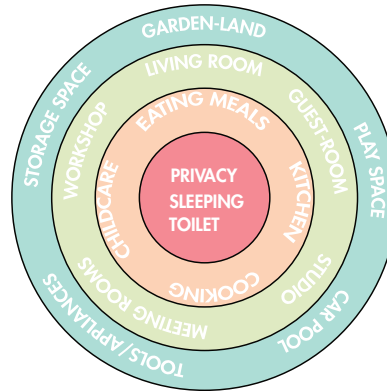
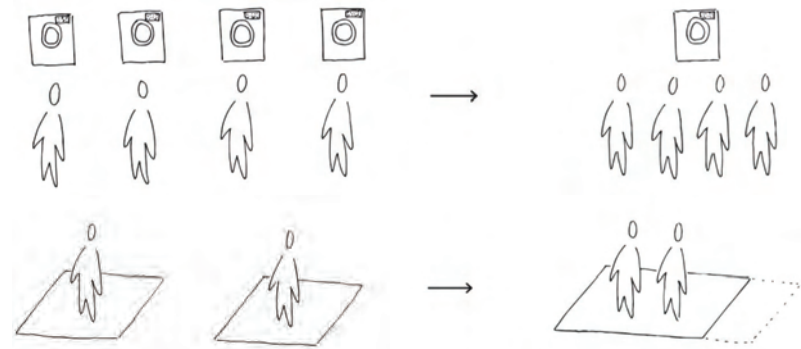
Within the model of a circular city in studio-healing the city; proposed project deals with- "Space". A new typology of residential building where majority of daily and domestic life of the inhabitant is organized in the collective space of the residential building.

Key words:

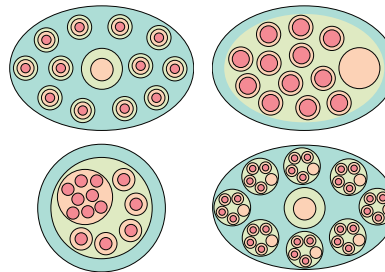
- Shared economy • 'Space' in sustainability • Privacy • Gentrification



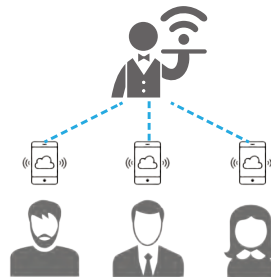
Existing structure located in working-class neighbourhood of Muid. Proposed model is based on ideas of sharing more & owning less.



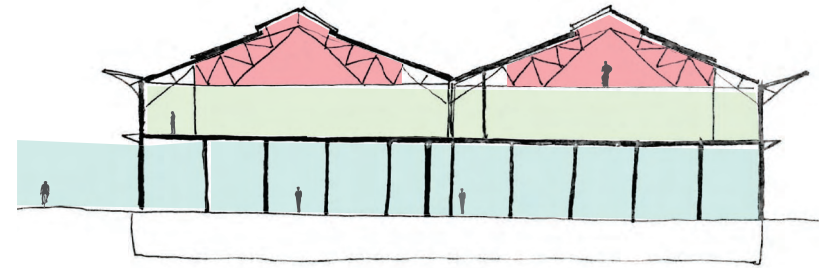
- single
- multiple
- group
- public



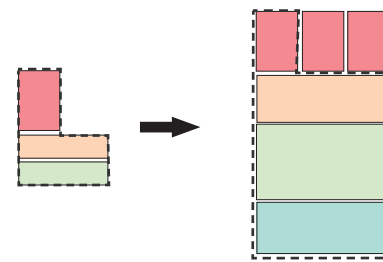
Spheres of Privacy: A study in patterns of shared living.



Internet service as a comparison to understand housing as a service



Adaptive re-use of abandoned structure. Vertical levels of privacy.



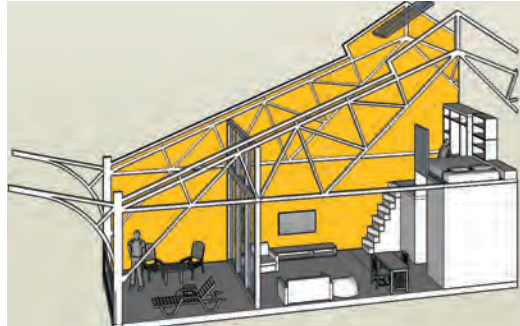
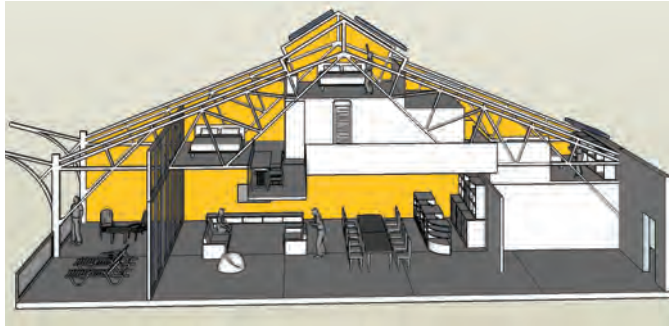
Less space OR more space ?





Socio-economic sustainability by programme.



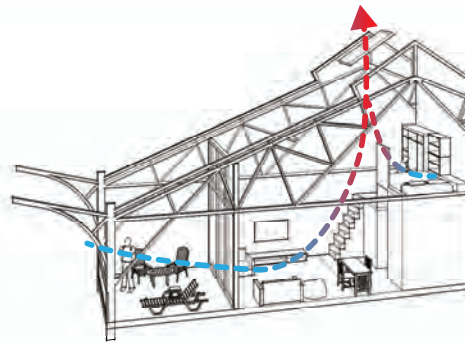
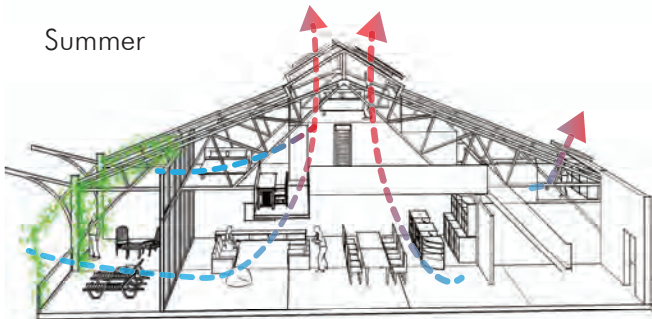
Adaptable HaaS layouts for shared living and working spaces. In workspaces, members pay according to business plan for eg. guaranteed spot at shared table, personal desk, personal enclosure, enclosure for 20 etc.



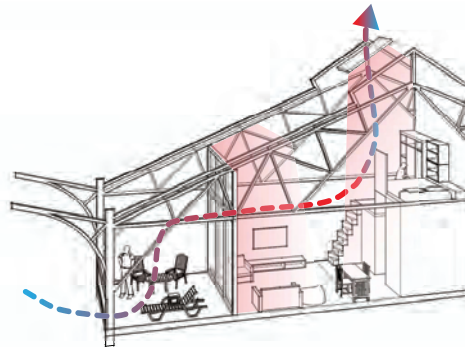
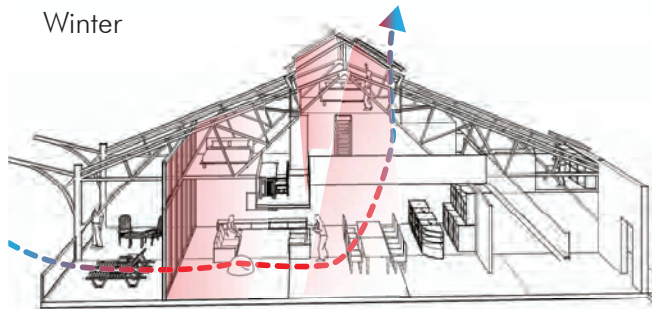
Module-1: Co-habiting 5-7 people. Individuals/couples for 4 rooms or a big family.  or 

Module-2: 1-2 people. Individual or couple.  or 

Summer



Winter



The structure of the roof facilitates natural ventilation. It caters to passive cooling requirements in summer. The skylights in every 'living cell' facilitate air-flow in the indoors. During winter, the modules are heated due to glass surfaces, extra heat is released by simply opening them to facilitate outlet from the roof.

