

PROBLEM STATEMENT

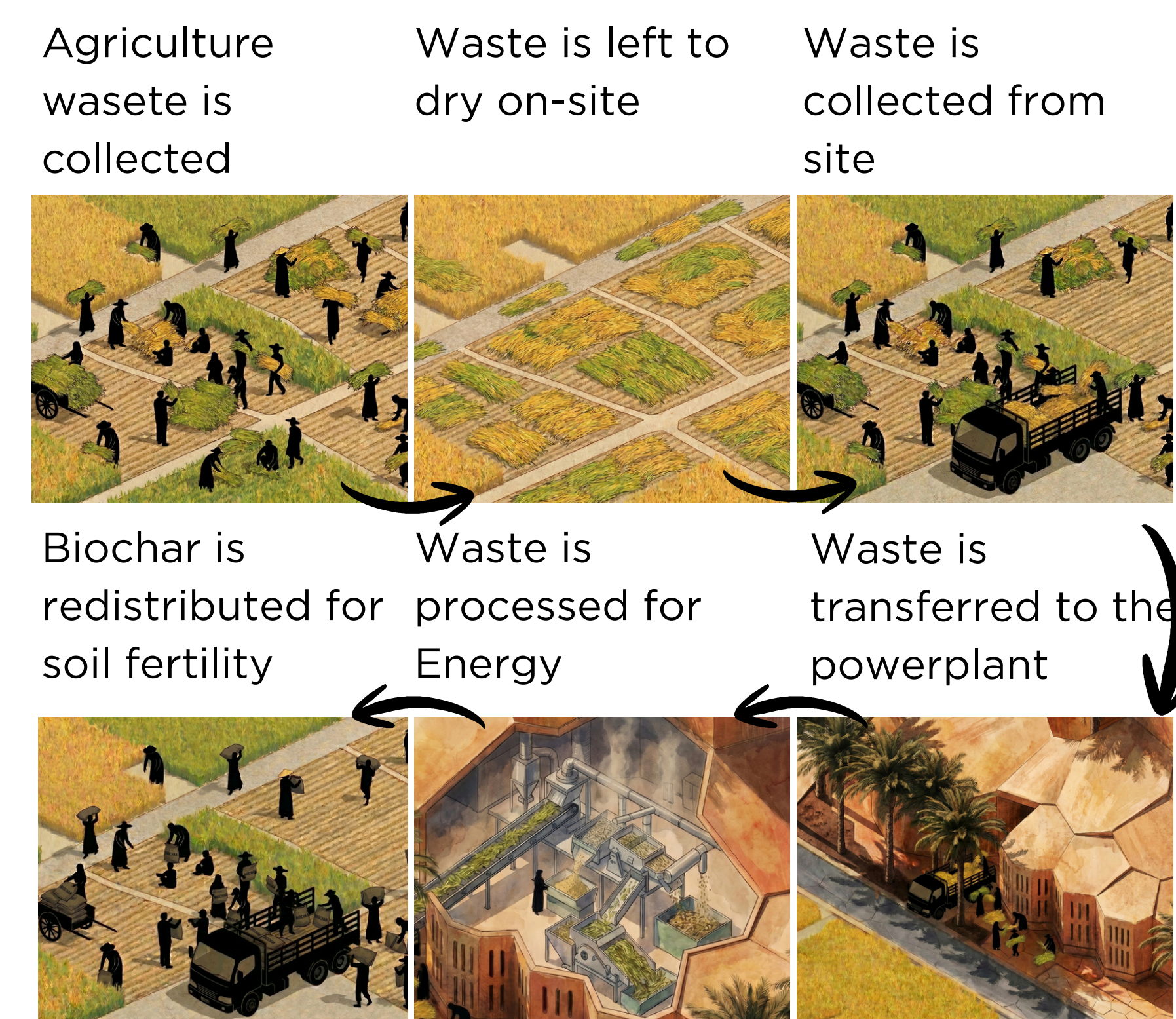
Al Farafra Oasis is one of Egypt's most remote settlements, located deep within the Western Desert and separated from major urban centers by vast expanses of arid land. This geographic isolation creates significant infrastructural challenges, particularly in energy supply. Electricity and fuel depend on long transmission distances, high transportation costs, and centralized systems that are vulnerable to disruption.



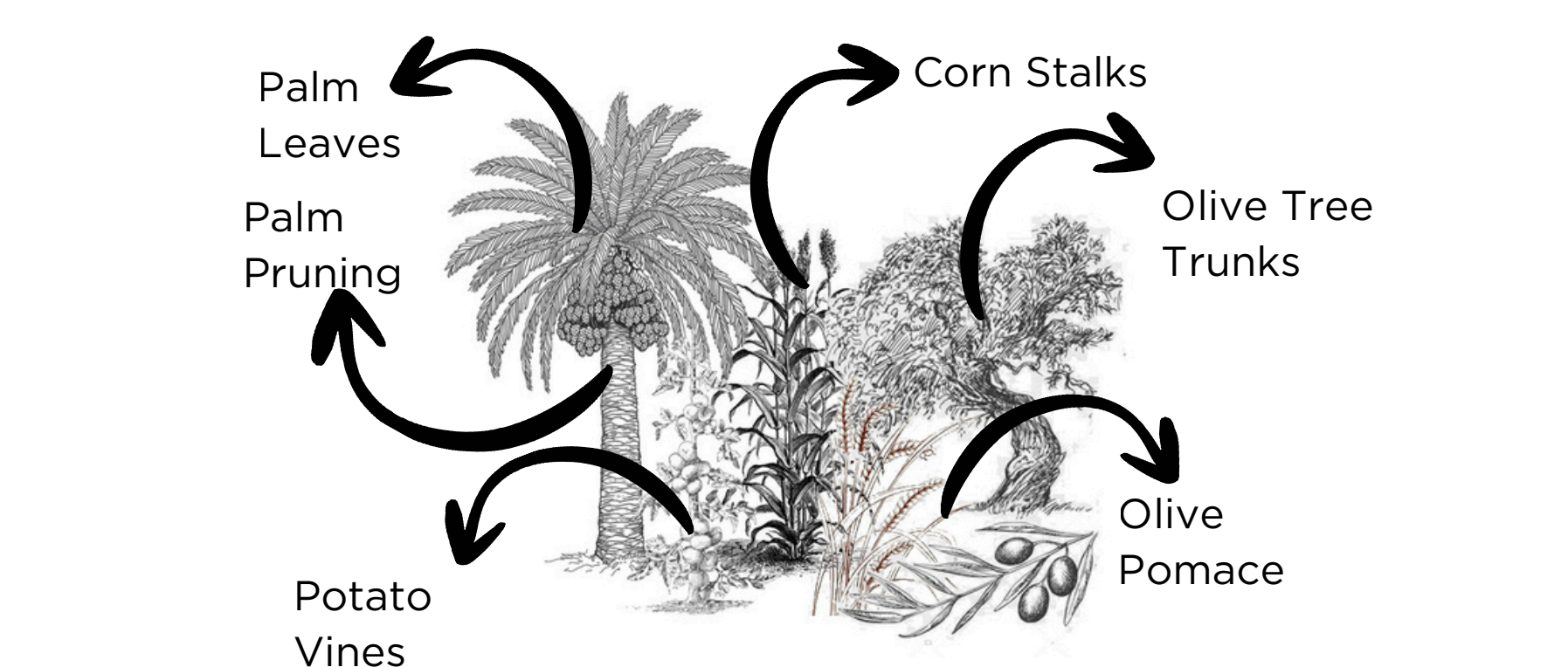
100 Tonnes of agriculture waste is being burned yearly with only 70 tonnes enough to power up the oasis without external energy sources. The project aims to use this wasted potential alongside providing a public park for the community.



BIO-MASS CYCLE

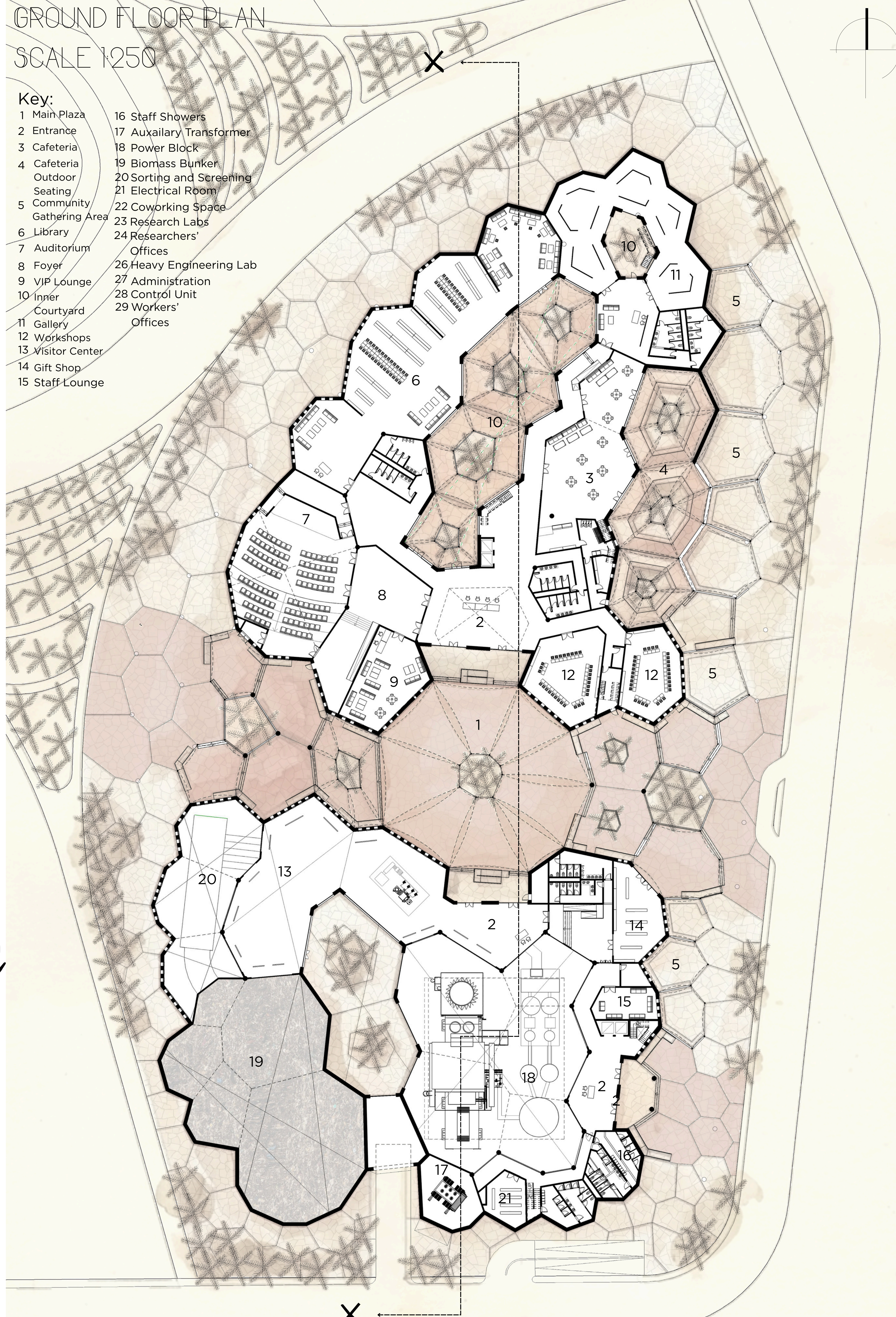


CROP RESIDUES



GROUND FLOOR PLAN

- SCALE 1:250
- Key:**
- 1 Main Plaza
 - 2 Entrance
 - 3 Cafeteria
 - 4 Cafeteria Outdoor Seating
 - 5 Community Gathering Area
 - 6 Library
 - 7 Auditorium
 - 8 Foyer
 - 9 VIP Lounge
 - 10 Inner Courtyard
 - 11 Gallery
 - 12 Workshops
 - 13 Visitor Center
 - 14 Gift Shop
 - 15 Staff Lounge
 - 16 Staff Showers
 - 17 Auxillary Transformer
 - 18 Power Block
 - 19 Biomass Bunker
 - 20 Sorting and Screening
 - 21 Electrical Room
 - 22 Coworking Space
 - 23 Research Labs
 - 24 Researchers' Offices
 - 25 Heavy Engineering Lab
 - 26 Administration
 - 27 Control Unit
 - 28 Workers' Offices



LAYOUT SCALE 1:500



MAIN PLAZA SHOT

