Halite Housing Community

Housing structures within the Halite Community derive their form from the original halite structure and are connected by a series of boardwalks that convert solar energy into communal power.

Salt Circuit proposes modular housing, based on expandable and customizable container structures which open out into the environment.

Sections of the structures can open out into the environment, creating outdoor spaces and increased airflow and cooling throughout the day. At night, they seal shut to conserve energy and reduce heating requirements.

Community kitchens complement the housing structures and provide a space for visitors to cook, commune, and share together.

Saltwater Greenhouse

Greenhouses draw their power from solar panels and use a saline solution for evaporative cooling to reduce irrigation requirements.

- 5 - 100 kg / m²
- 1-3 laborers / 1,000 m²
- 10 - 15 L / m²

Desert Botanical Garden

Sections of the site will be dedicated to fostering a desert botanical garden. With flora chosen specifically to meet the environmental conditions of the unique landscape, the garden will increase site biodiversity with plants selected for their temperature thresholds, moisture needs, and halophilic characteristics.