

## Case 2. Indoor and outdoor farming system

### Purpose of the study

To investigate how an indoor farming system and an outdoor agricultural area in a prison environment can be designed using evidence from research as well as integrating the assessment of related social, economic and environmental impacts. Definition of the optimal business model and revenue flows associated with the activity. Self-sufficiency for 1200 people. Production and work tasks for the inmates is needed even in winter time. Greenhouse area can contain different climate zones.

### Requirements

- Safe materials and furniture
- Chain-link fencing to the perimeter of the space
- Possible to overview space with cameras and staff
- Equal workload throughout the year
- Maximum building height 13 m
- Work intense
- No hidden areas

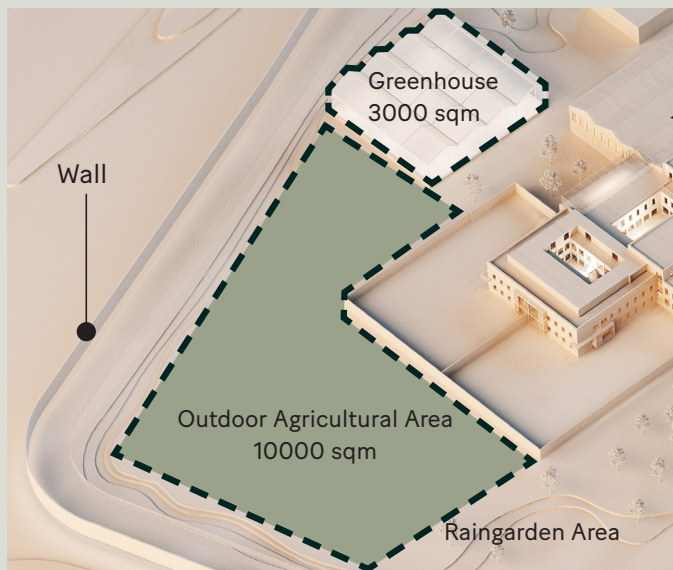


Image showing a test design proposal for the Greenhouse and the Outdoor Agricultural Area.

As part of the project tests are conducted to push boundaries for farming, biodiversity and well-being of the intakes. These test will be evaluated against security requirements, functional needs, logistics, sustainability, maintenance, well being of clients etc.

