

Gameplay

- build your bunker and surface buildings
- assign people to it, or build robots to operate on surface
- surface absolute essential to survive but attack regularly by enemies
- => employ Tower Defense and Defend Bots

Abstractions for Prototyping

- round based discretization (approx 1 min equals round)
- no advanced fights but "plus minus" strength values
- action cards for random events (like generators explodes)

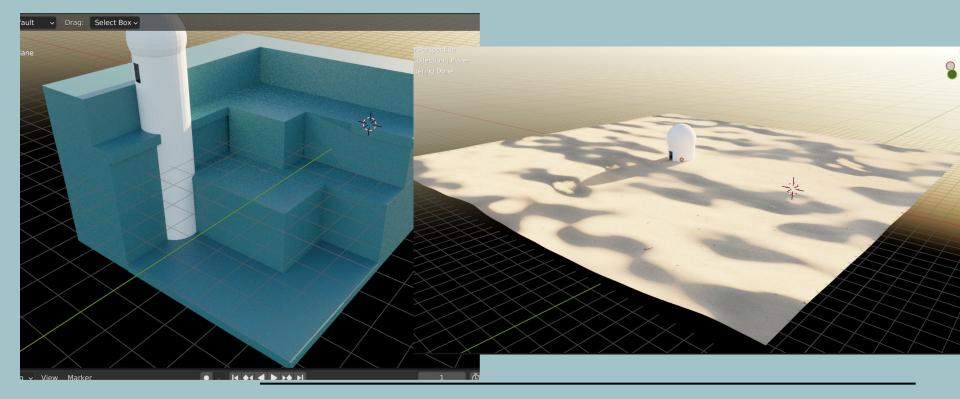
Goal

 find some balance for resources and core game mechanic of building

Restrictions

- Cannot fully replicate physics-based fights
- Tower defense not simulateable
- trying to reduce travel time of workers by placing buildings right

First Drafts - Switch between views



Workers' status

Normal:

ingry:





Hurted:



In one round

Robot Factory

turns Normal workers into Hungry workers

turns Hungry workers into Hurt workers

produce N robots when having N workers in the factory

Electricity Generator

turns Normal workers into Hungry workers turns Hungry workers into Hurt workers support Robot Factory and Defense Towers

Mensa

turns Hungry workers into Normal workers

Medical Bay

turns Hurt workers into Hungry workers turns Hungry workers into Normal workers -At the beginning of the game, there is only one base on the surface without any defense

system.



-When enough resources are produced underground, players can choose to build defense towers, robots and weapons. They all have unique values (attack power, attack range, etc.).

-Robots can only fight with designated weapons. Players can control robots and designate them to go to specific places to fight.



-Players can also build crops on the surface to reduce hunger. There are also harvest robots to harvest crops(can't fight).

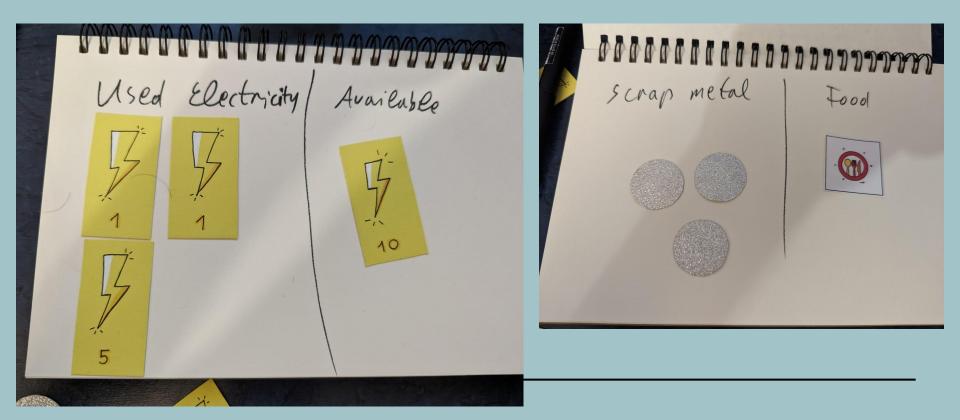
-Building any object will reduce different metal values, and towers and robots will reduce electric value per min.

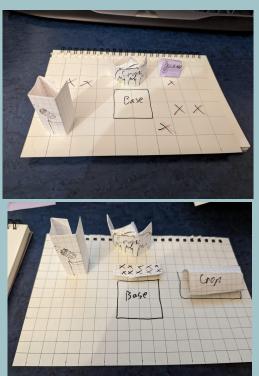


-Monsters will appear from the lower left and upper right corners of the map. They will move towards the base and attack anything nearby. Monsters have different settings.



Resources





Assessment

- many new revealed questions
- map design boring => more complicated layout
- need for mathematical model to estimate resources

