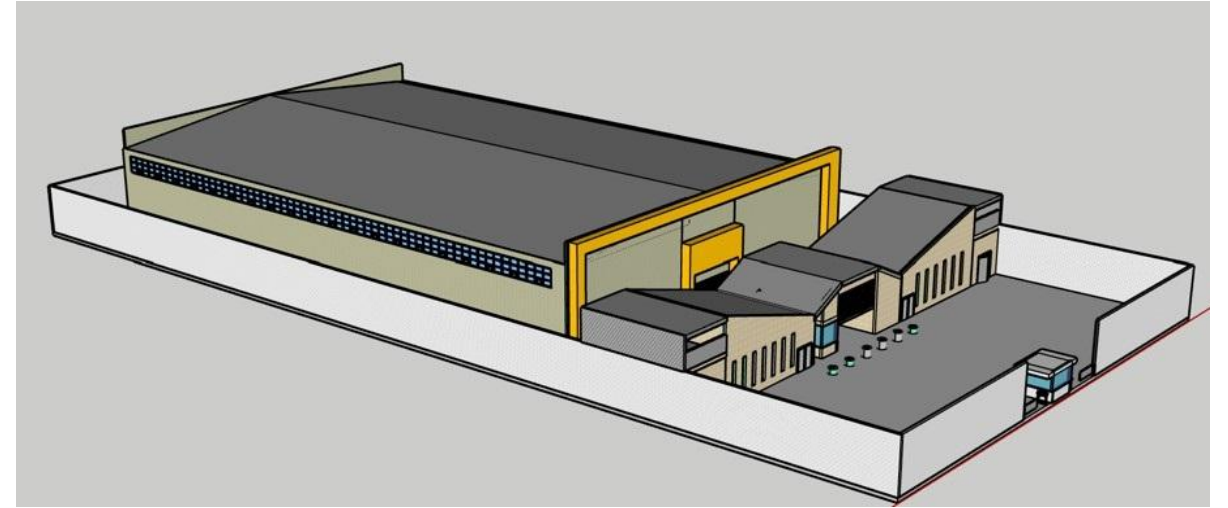




Sahel Gold Mining
Gold Processing Project

Outline of the new draft layout



Non-existent facilities:

- Underground facilities
- Heliport
- Guesthouse
- Watchtower

Combined facilities:

- Entrance
- Mining Analyses and Mining
Exploration

Building Security System:

- From center to outside security system
- Logical Access control



Pros and Cons of the System



- **Economic**

- **Less security per.**

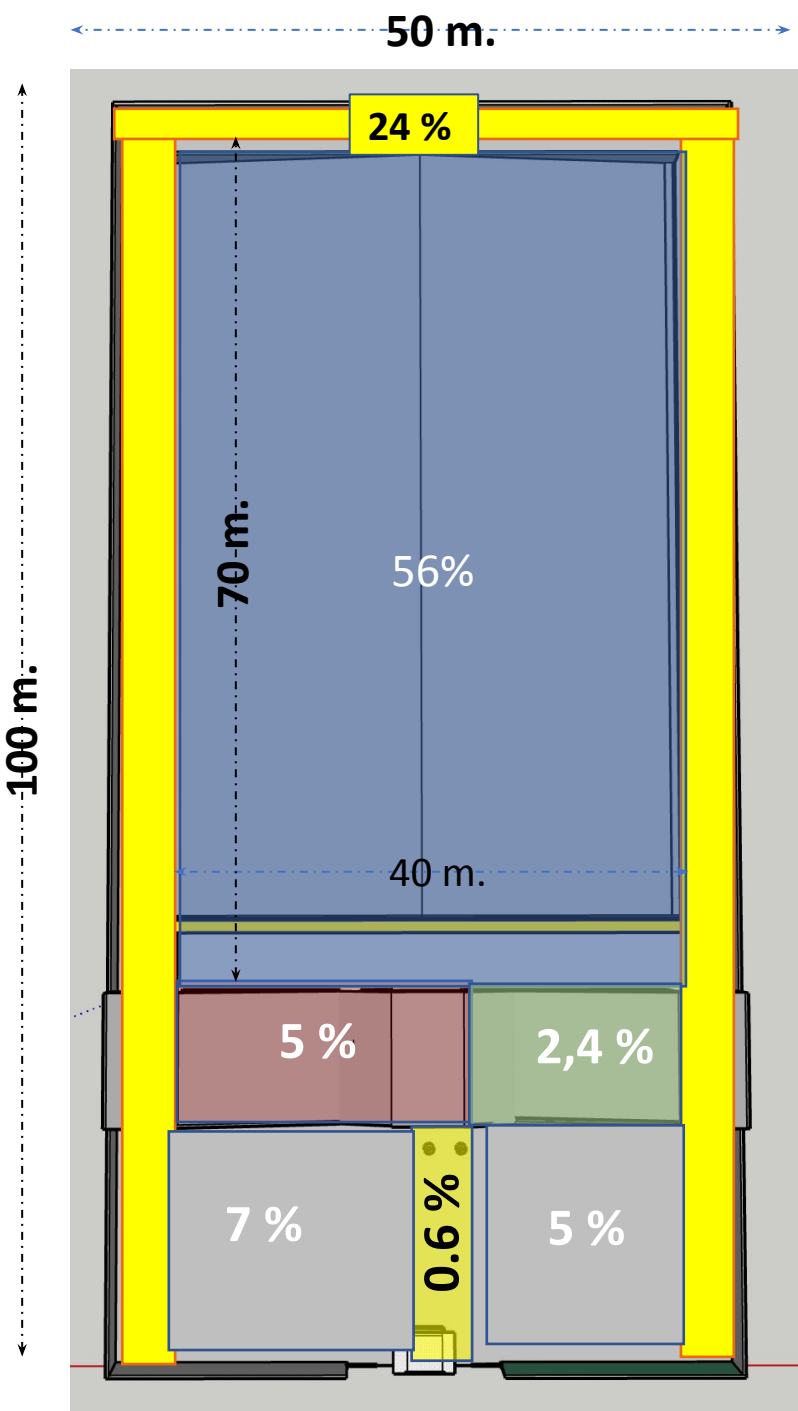
- **Control system**



- **Detail plans & scenerios**




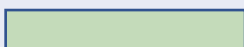
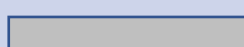
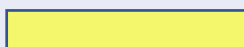
- **Expension**
(Limited horizontal)

- **Changes**
(Limited Future changes)



Sahel Gold Mining

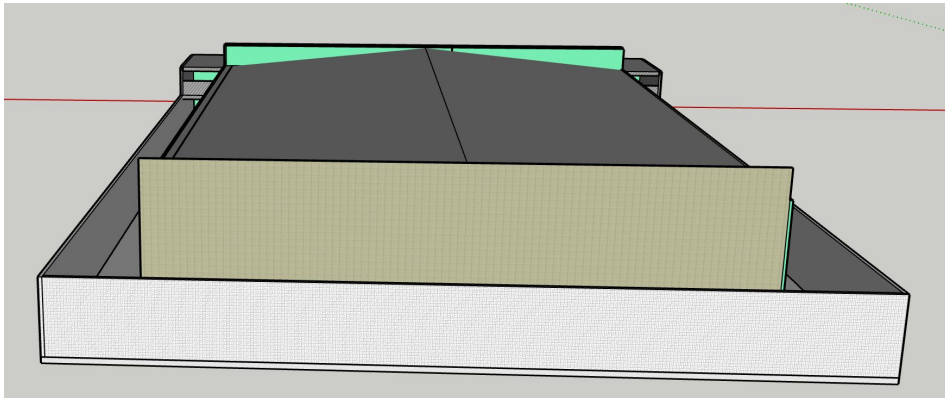
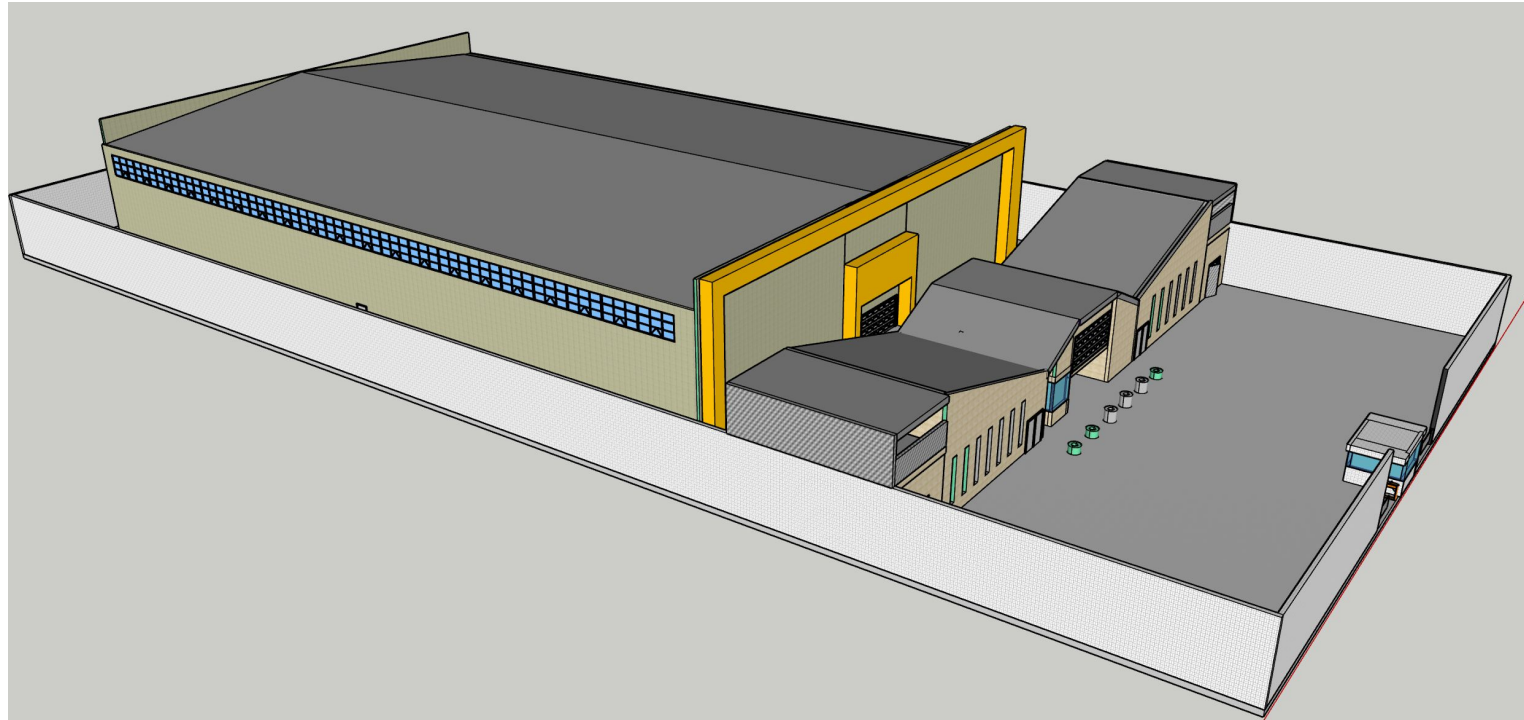
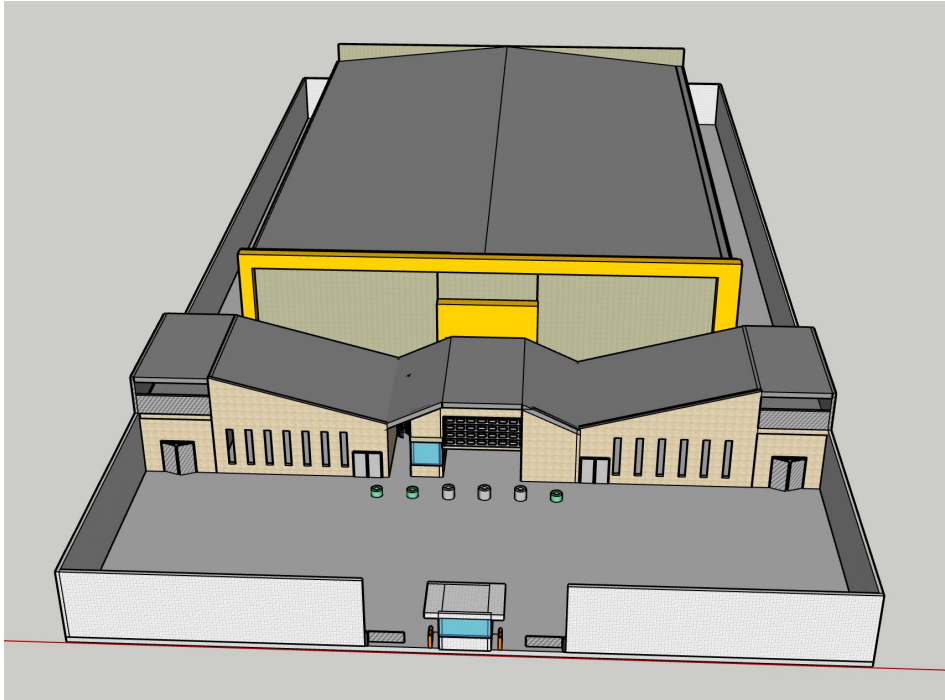
Areas and Percantage of Facilities

Facility	Area (m ²)	% to Total Area	Legend
Plant	2800	56 %	
Security/Patrol Drive way	1200	24 %	
Logistic Security System Building	200	5 %	
Showroom	120	2,4 %	
Parking (Visiters+Security)	600	12 %	
Entrance Security	80	0,6 %	

Total : 5.000 m²

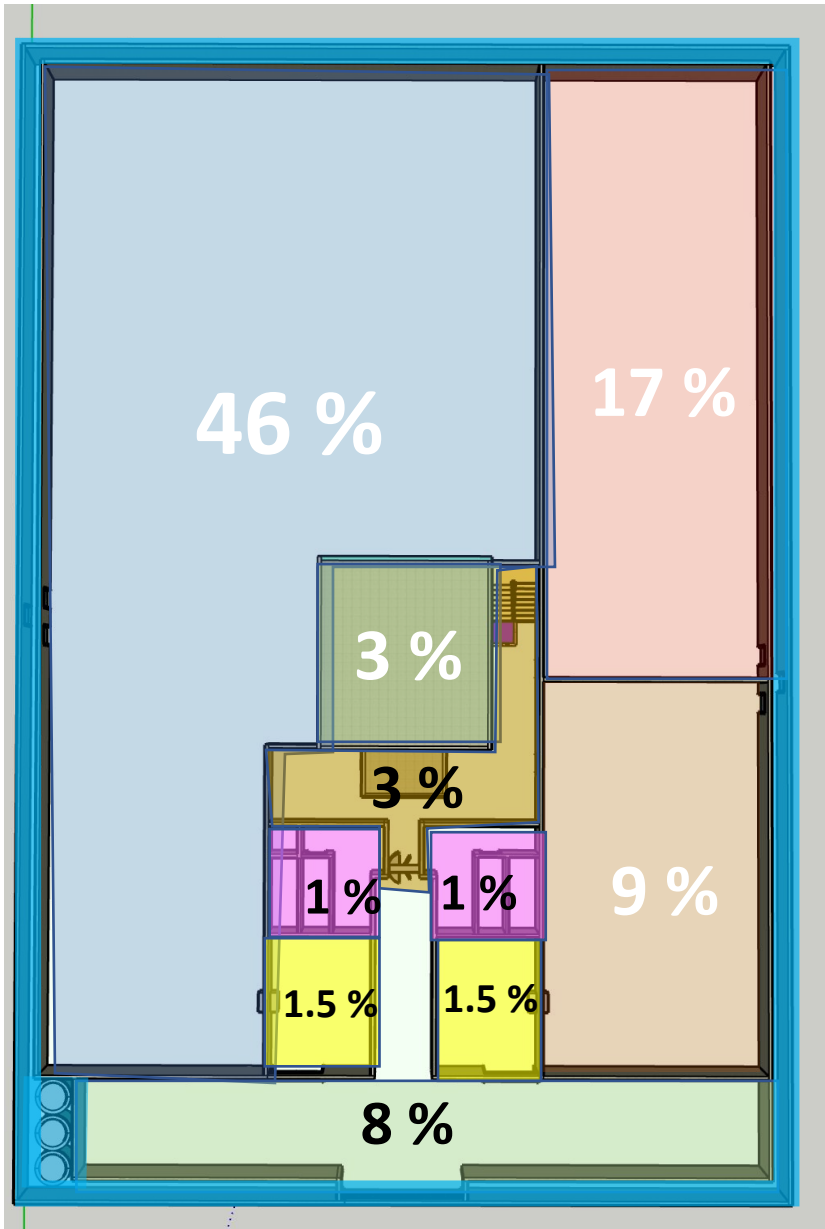
Sahel Gold Mining



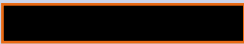
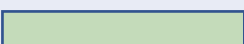

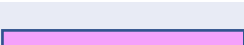



Preliminary Outside Views



Sahel Gold Mining

Areas and Percantage of Plant

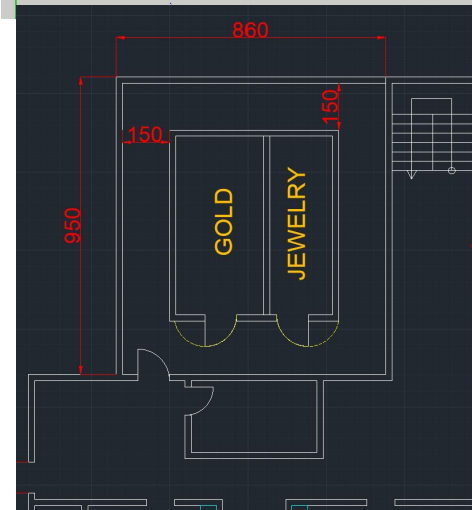
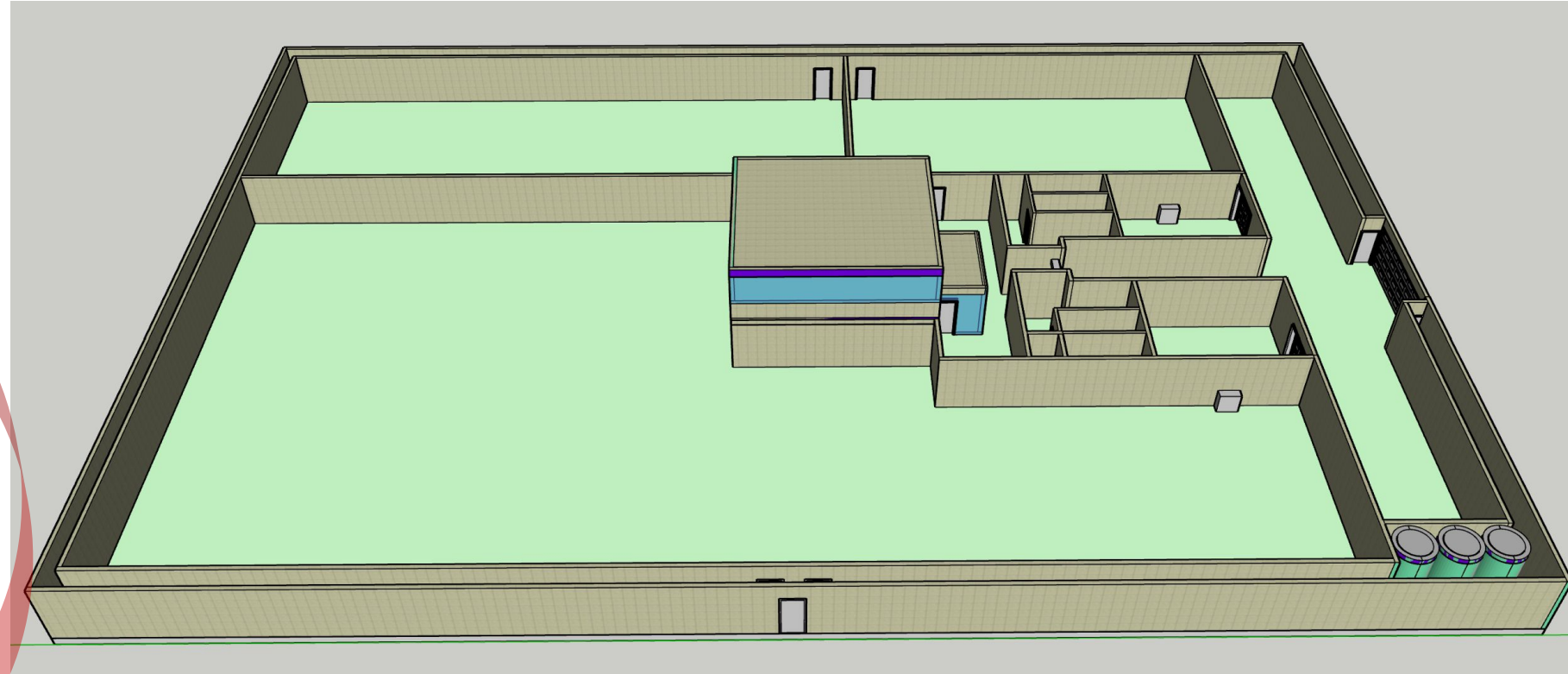
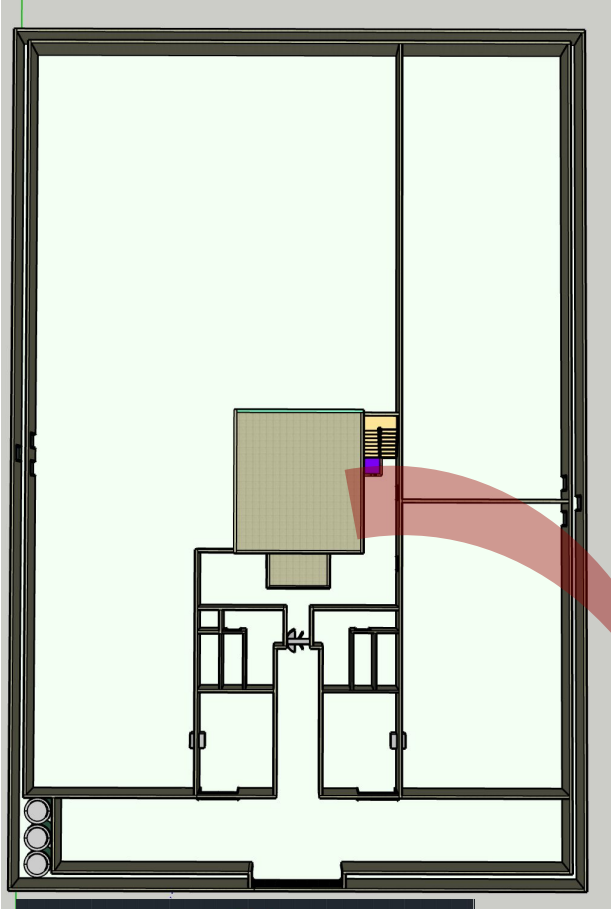


Facility	Area (m ²)	% to Total Area	Legend
Gold Processing	1268	46 %	
Jewelry Production	486	17 %	
Mining Analysis Plant	256	9 %	
Gold-Jewelry Vault	82 (18+14)	3 %	
Security room/Corridors	78 (9+69)	3%	
Locker rooms+WC+Air shower	56 (30+24+2)	2 %	
Transfer Area (Gold+Anaklysis)	86 (43+43)	3 %	
Dispatch Area	228	8 %	
Chemical tanks and ballast corridors	260 43+217	9 %	

Total : 2.800 m²

Sahel Gold Mining

Preliminary Inside Views



Gold Vault : 18 m² (Net)
Jewelry Vault : 14 m² (Net)



Sahel Gold Mining

Preliminary Plant Inside Views

Product acceptance and transfer area

Locker and air shower

Fire Exits

Security room

P.T.U

Gold Process Area

Mng.'s Office
VAULTS

Mining Analyses

Jewelry production

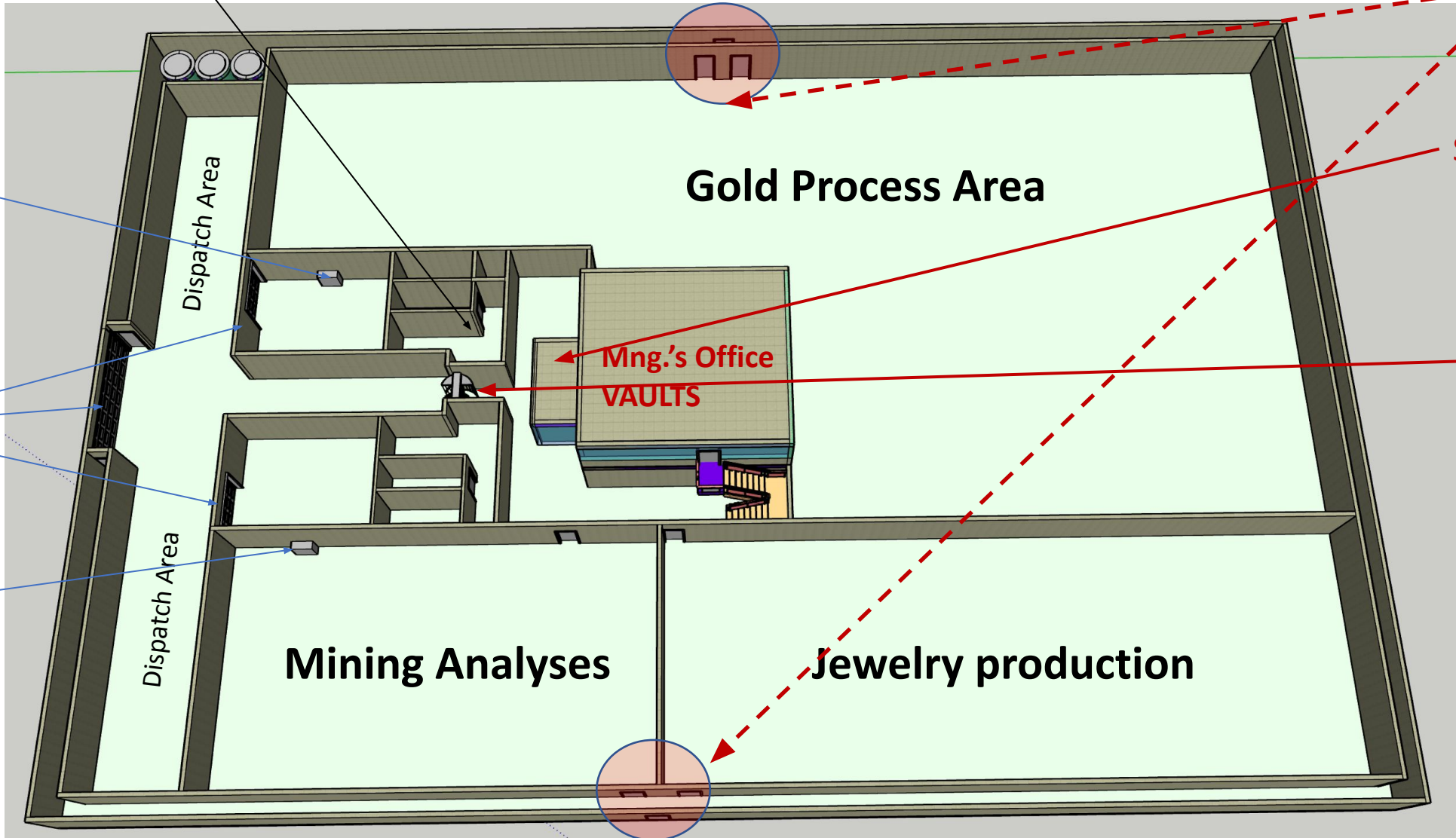
Dispatch Area

Dispatch Area

Gold T.U.

Shutter

Analysis T.U.



Sahel Gold Mining

Referance of Movings in Security System



HUMAN

VIP's
Employees
Security Per's
Visitors
Robbers



VEHICLES

Cars
Trucks
Tankers
Arm.'d vehicles
Duty machines



PRODUCTS

Raw materials
Semi products
Finished goods
Chemicals
Wastes

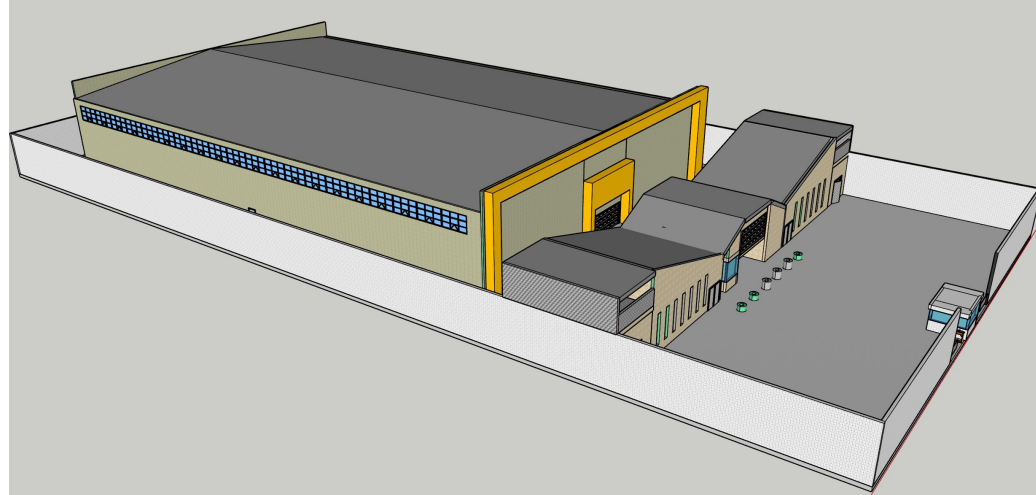


Sahel Gold Mining

Outline of Security System

Main Systems

- Cyber security System
- Alarm System
- CCTV
- Fire Detection and alarm



PHYSICAL SECURITY

- Motor patrols
- Hydraulic barrier
- Watchtower
- Security personnels
- Armoured walls

CONTROLS

- Card entry system
- Cameras
- Vehicle traps
- Man traps
- Interlock Systems
- Turnstiles
- Panic buttons
- Armoured doors
- CTU's /VTU's
- PTU's
- Production Monitoring System
- Barcode system
- Personnel Tracking System
- Hydrollic Barriers
- Walls and Fence detection
- Sensors



Sahel Gold Mining

3D Presentation





Thank you

Sahel Gold Mining

Sizes GOLD REFINERY

