



# The MicroBT Masterclass 2025: From Reliable Power to Efficient Construction

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# How to Rapidly Construct Mining Farm



# 1.1 WhatsMiner Advantages



Low Cost

High Reliability

High Return

1

- 2U server, compatible with racks in data center
- eye-catching 80°C outlet temperature



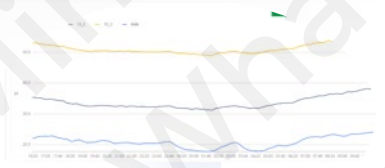
2

- WhatsMiner solution reduces installation and operation cost
- Power efficiency up to 97%



3

- Miner online rate  $\geq 99\%$
- Hydro-cooling system supports online maintenance
- Annual RMA rate  $< 0.79\%$



4

- Waste heat recovery generates additional revenue, with cumulative application of about 10 MW
- Short construction cycle



# 1.2 Miner Advantages



SPECIFICATION			
Power Ratio	15.5 J/T ± 5 %	Hashrate	434 T - 478 T ± 10 %
Weight	29.5 kg (Net) 32 kg (Gross)	Size with Handle	86 mm × 482.6 mm × 663 mm
Input Voltage	AC 380 V - 480 V Input 10 Kw	Power Cable Model	Custom made, ≥ 16 A
Coolant Demand Per Machine	About 1 L	Internet Connections	Ethernet

**M63S++**

SPECIFICATION			
Power Ratio	15.5 J/T ± 5 %	Hashrate	314 T - 356 T ± 10 %
Weight	18 kg (Net) 19 kg (Gross)	Size with Handle	267.5 mm × 147 mm × 401 mm
Input Voltage	AC 380 V - 480 V	Power Cable Model	Custom made, ≥ 16 A
Internet Connections	Ethernet	—	—

**M66S++**

# 1.3 System Advantages

## System Schematic



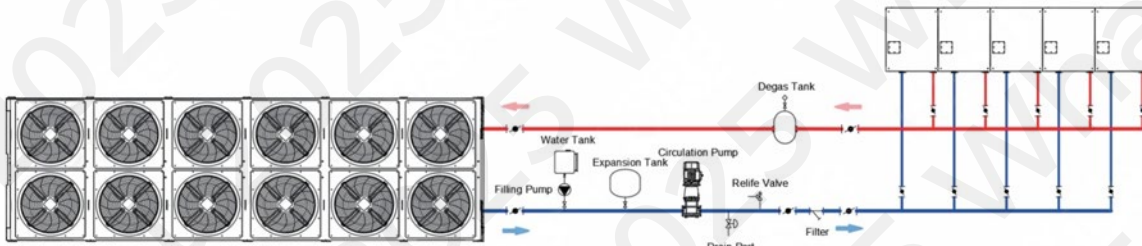
Dry Cooler



Coolant Distribution Unit



Hydro Cooling Rack



Cooling System

Smart Control System

Mining System

- **Reduced Operation and Maintenance Costs:** Daily water consumption of dry coolers is negligible
- **Low Maintenance Difficulty:** Online maintenance without miner downtime
- **Environmentally Friendly**
- **Low Noise**

## Multiple Options



XS1000

1000kW



XS1600

1600kW



XS2400

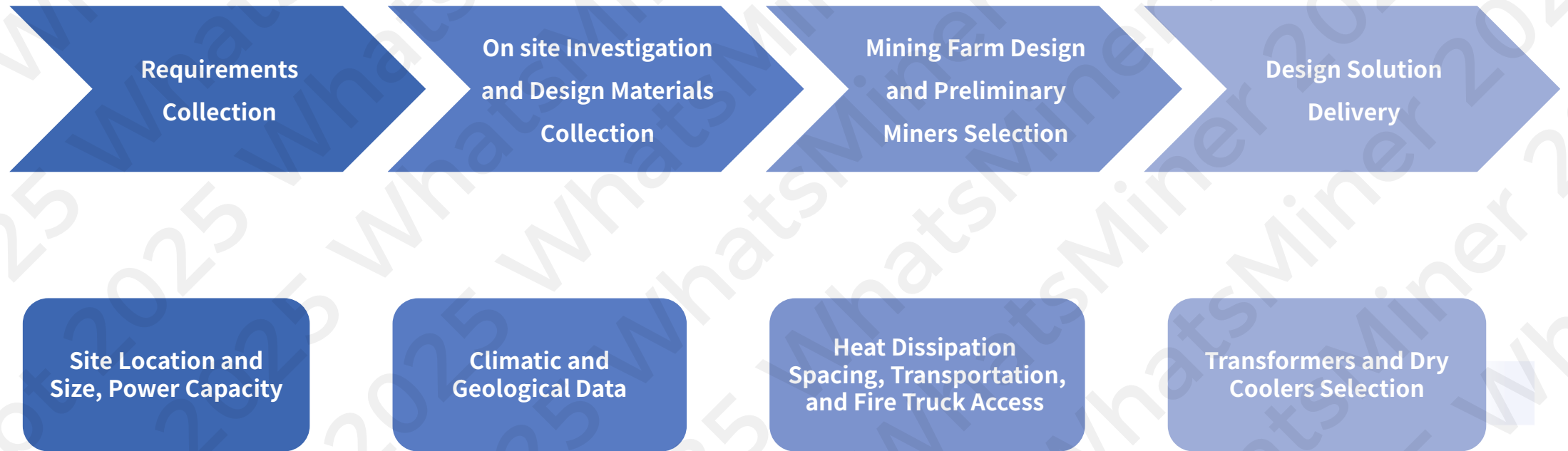
2400kW



XS1200

1200kW

## 2.1 Mining Farm Design Philosophy



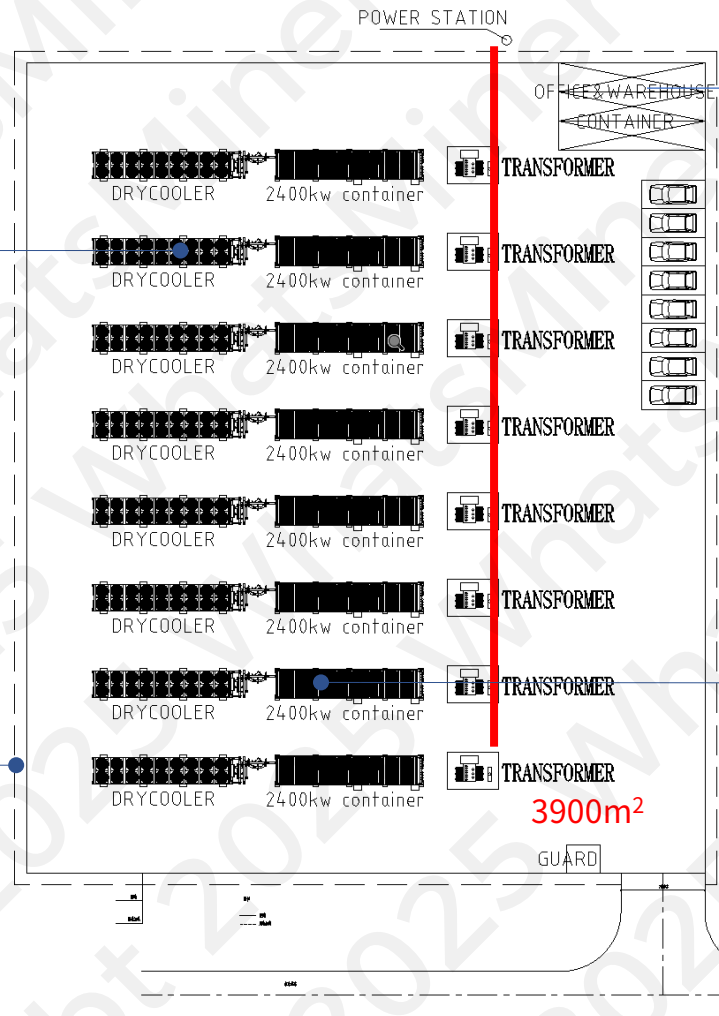
## 2.2 20MW Mining Fram (Hydro-Cooling) – Solution I



• Dry Cooler



• Wall for Anti-climbing

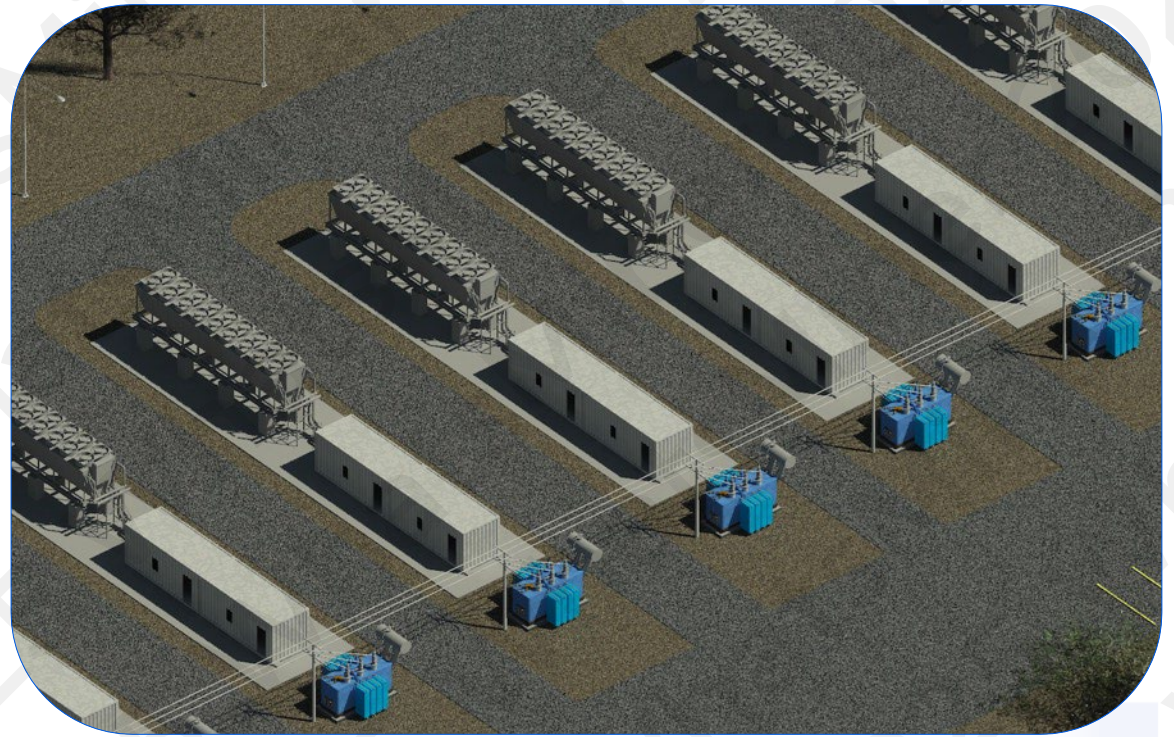
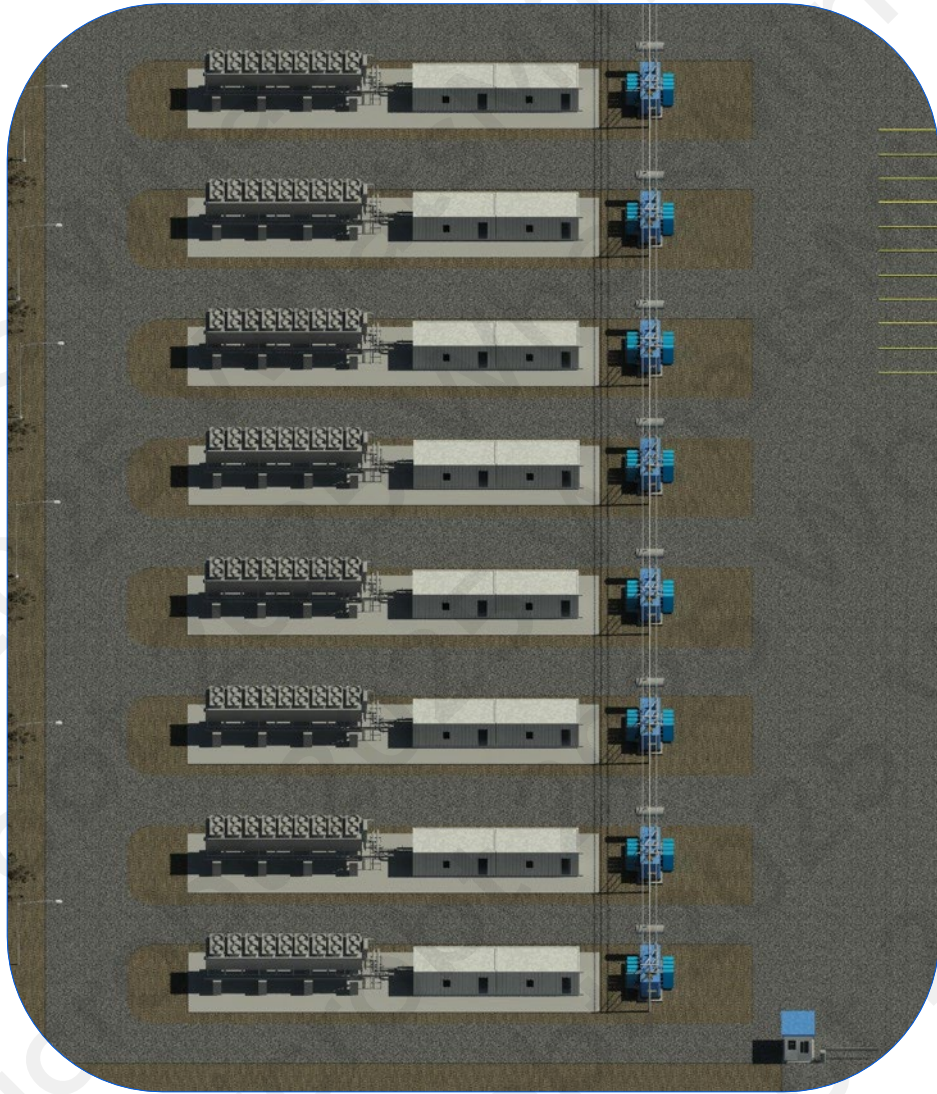


• Operations and Maintenance Office Container



• Container 2.4 MW | 40 Foot Container

## 2.2 20MW Mining Fram (Hydro-Cooling) – Solution I



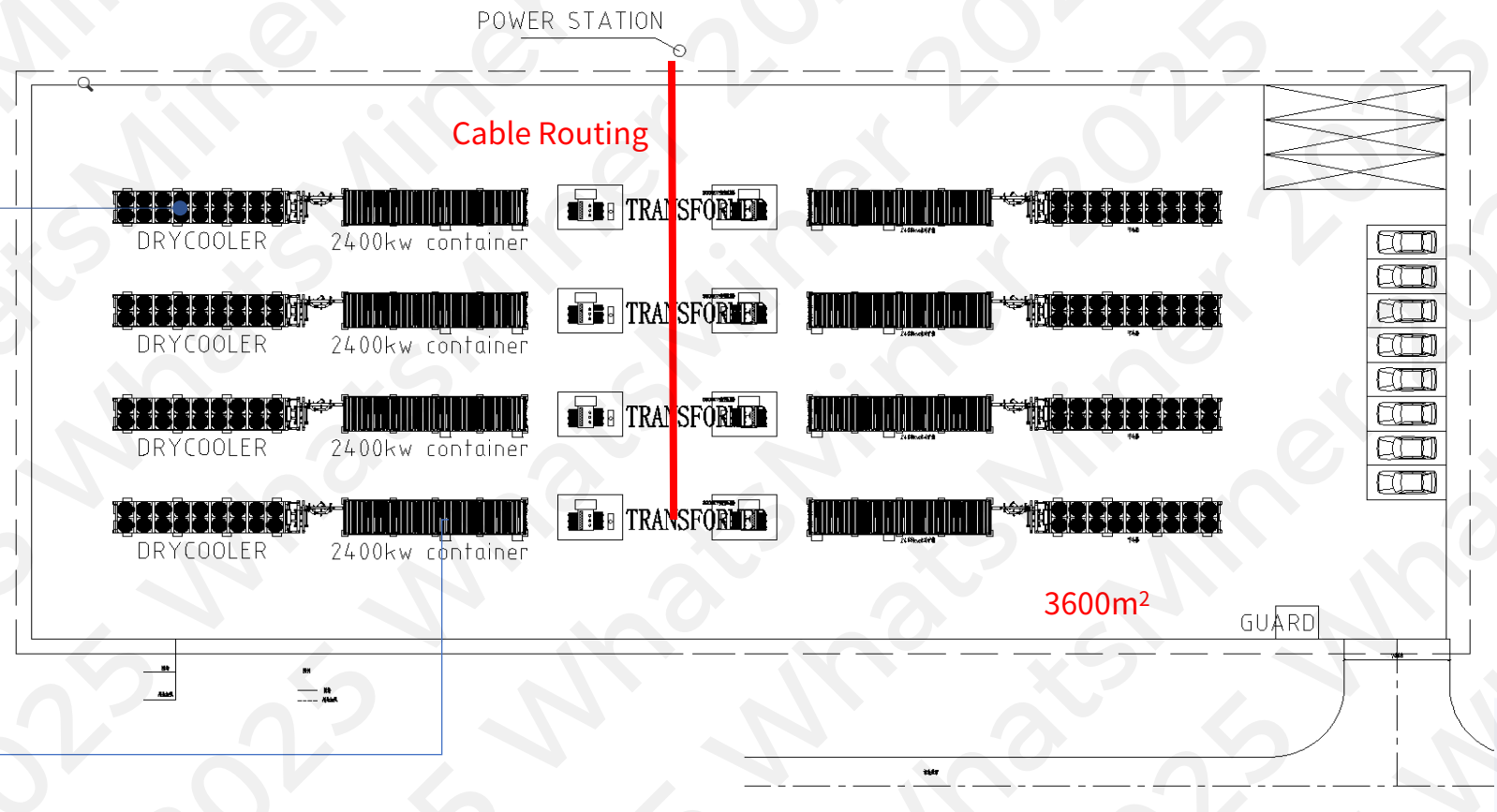
## 2.2 20MW Mining Fram (Hydro-Cooling) – Solution II



• Dry Cooler

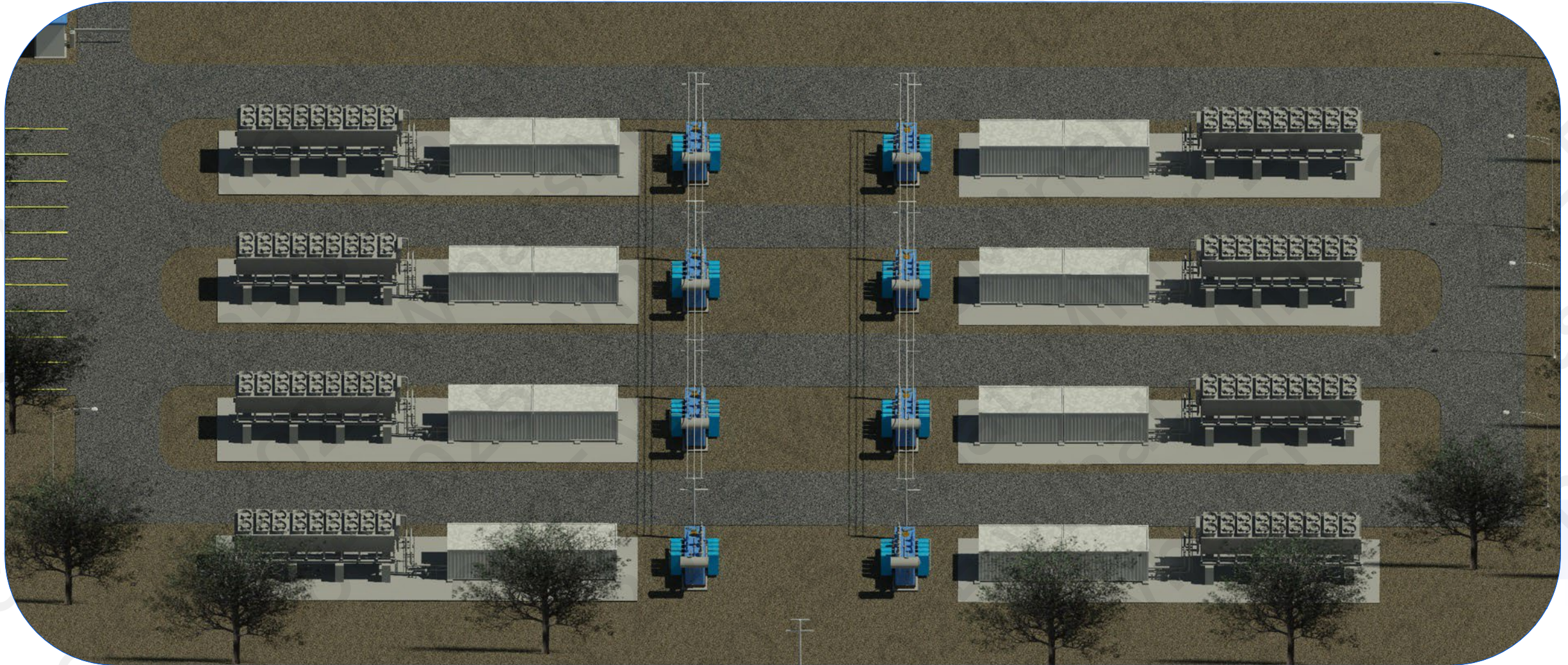


• Container 2.4 MW | 40 Foot Container

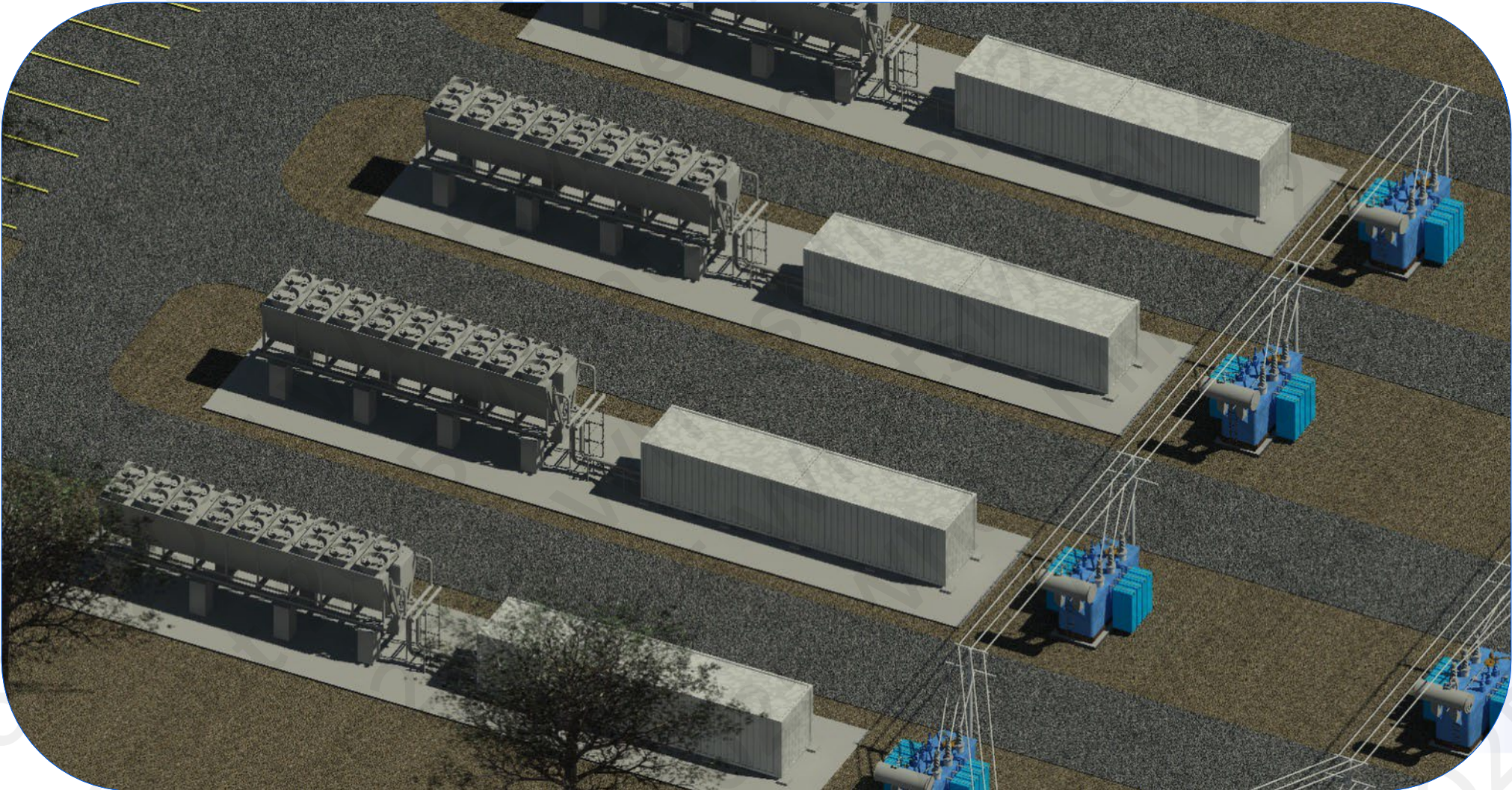


- Solution 2 requires less land area
- Shorter routing distance between substation and transformers

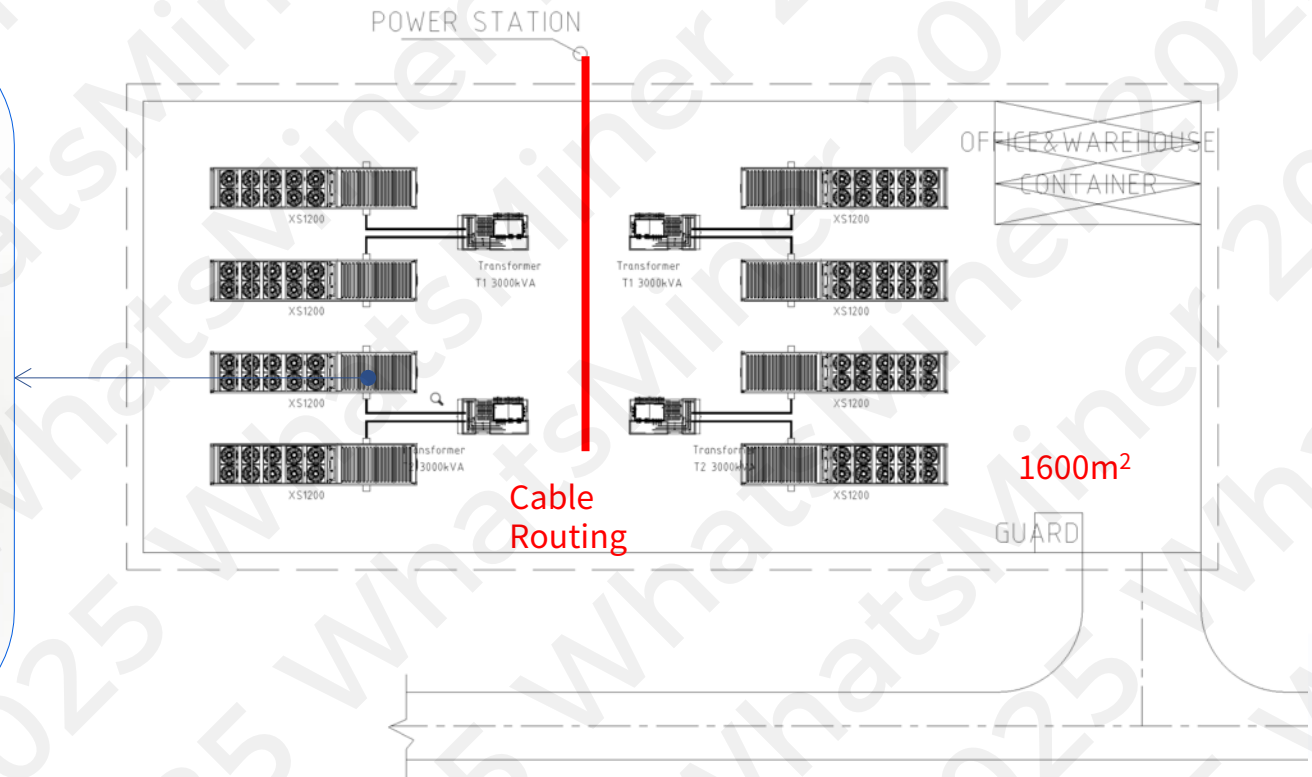
## 2.2 20MW Mining Fram (Hydro-Cooling) – Solution II



# 2.2 20MW Mining Fram (Hydro-Cooling) – Solution II

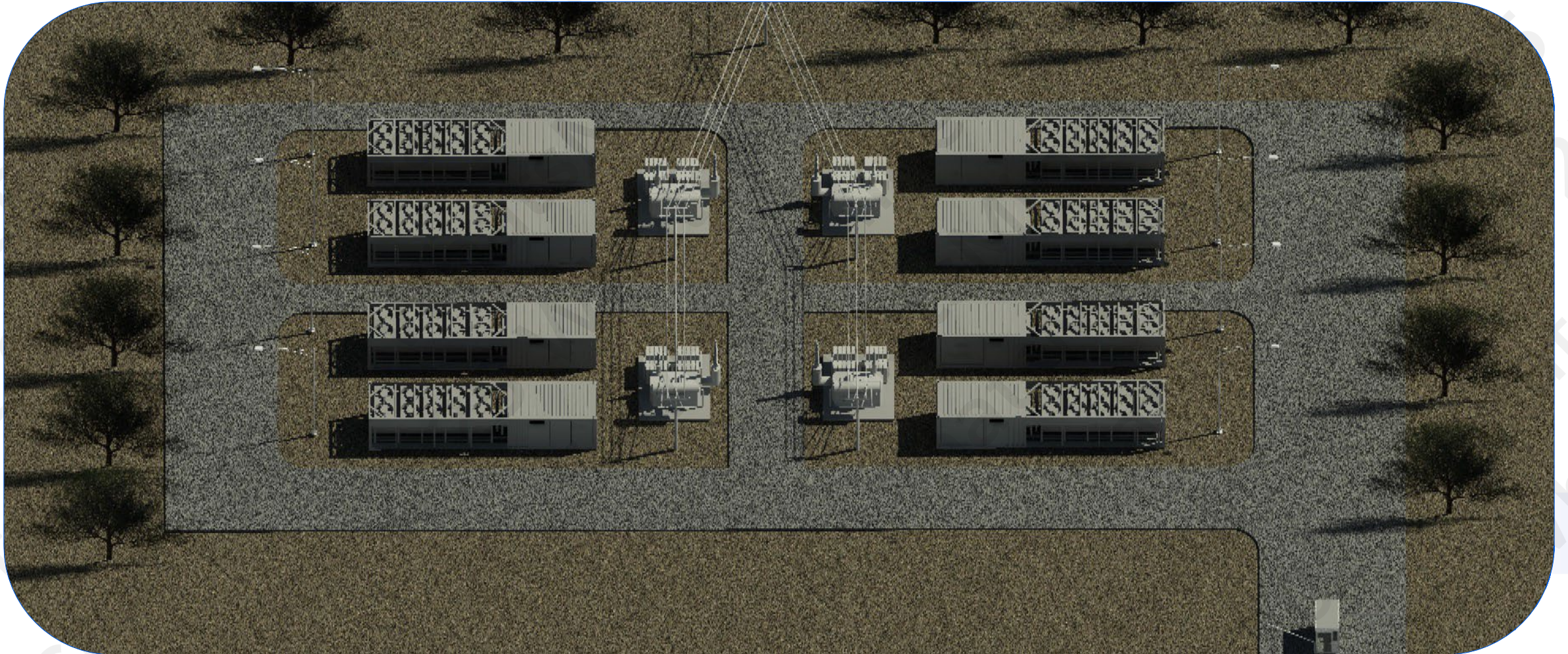


## 2.2 Design Example of 10MW Mining Fram (Hydro-Cooling)

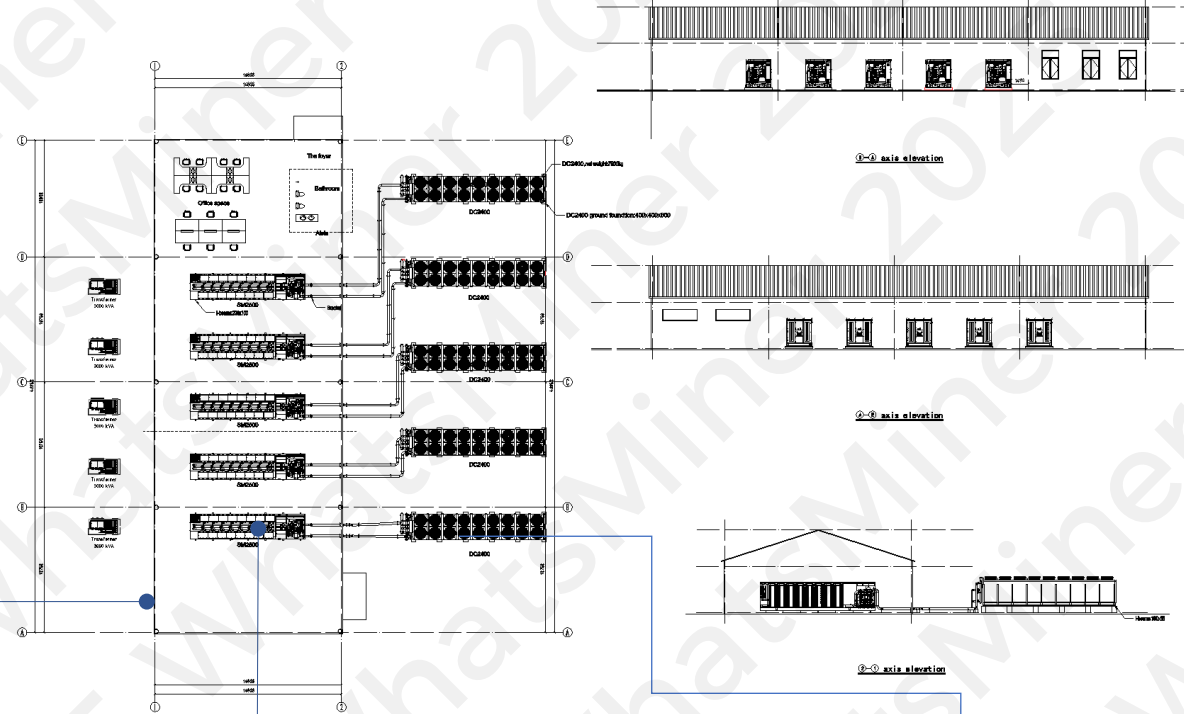
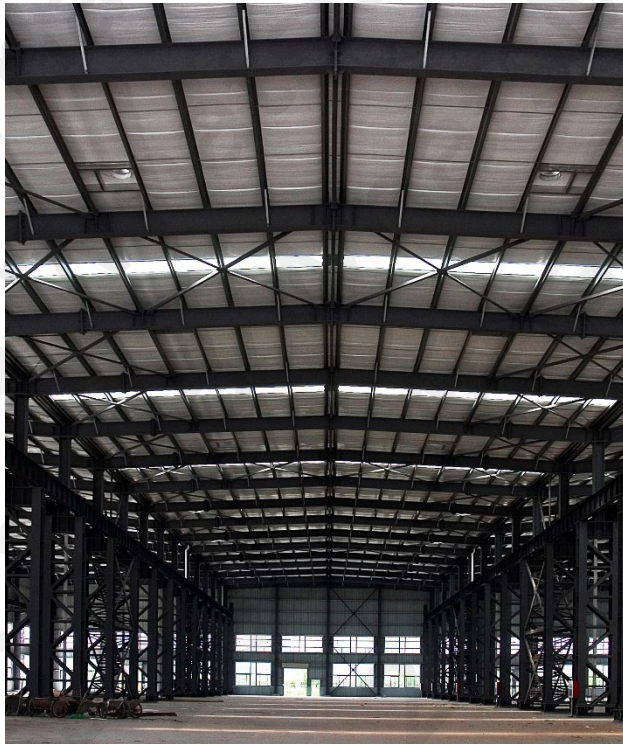


- Container 1.2MW | 40 Foot Integrated Container

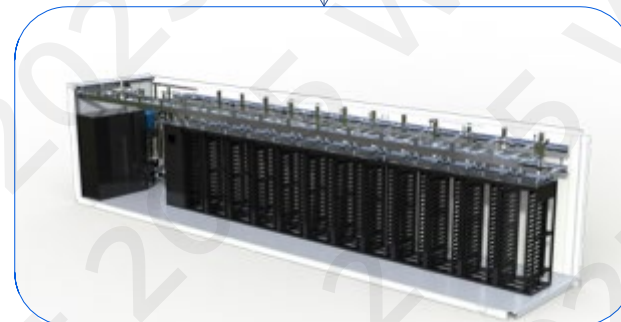
## 2.2 Design Example of 10MW Mining Fram (Hydro-Cooling)



## 2.3 Plant Solution of 12 MW Mining Fram (Hydro-Cooling)



- Renovation of existing plants
- Construction of new plants



# 2.4 Composition of Mining Farm

Transformer



Container

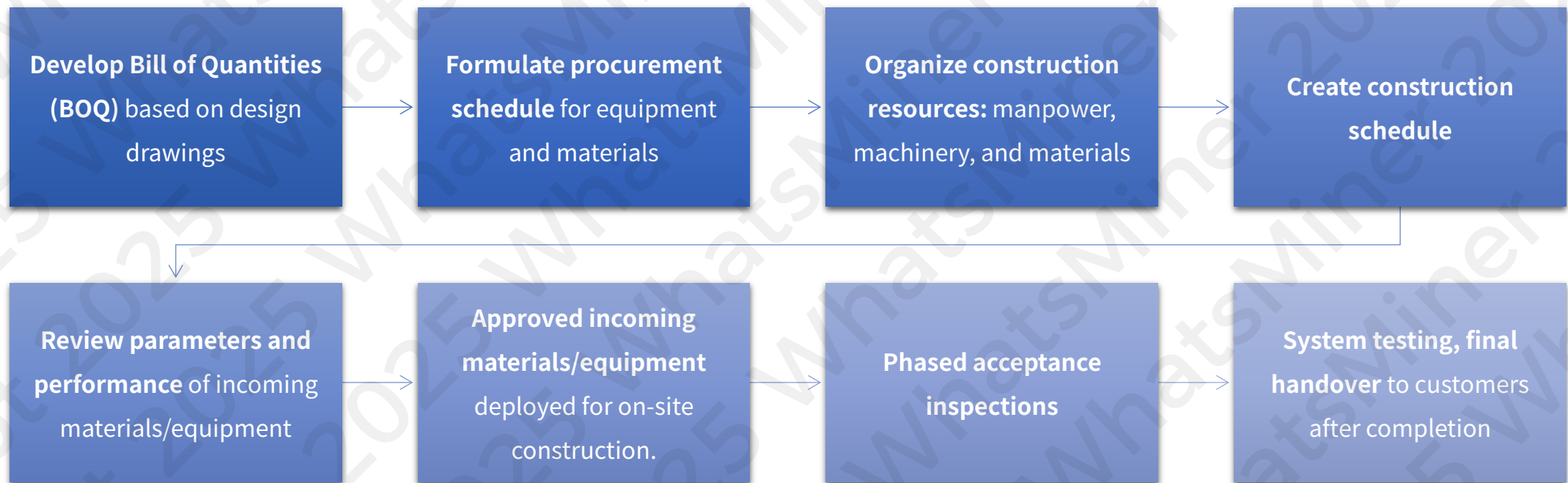


Dry Cooler



Category	Main Content
Outdoor Engineering	Foundation Treatment, Foundation of Equipment (Container, Dry Cooler, Transformer), Wall, and Road
Electromechanical Engineering	Transformer, Distribution Cabinet, Cable Connection, Video Surveillance, Pipeline Connection, and Debugging of Hydro-Cooling System
Auxiliary Room	Operation and Maintenance Office Container

## 3.1 Flowchart of Mining Farm Construction Process



## 3.2 Photos of Mining Farm Construction Process



- Before construction



- During construction

## 3.2 Photos of Mining Farm Construction Process



- During construction



- System testing

### 3.3 Comparison of Construction Period

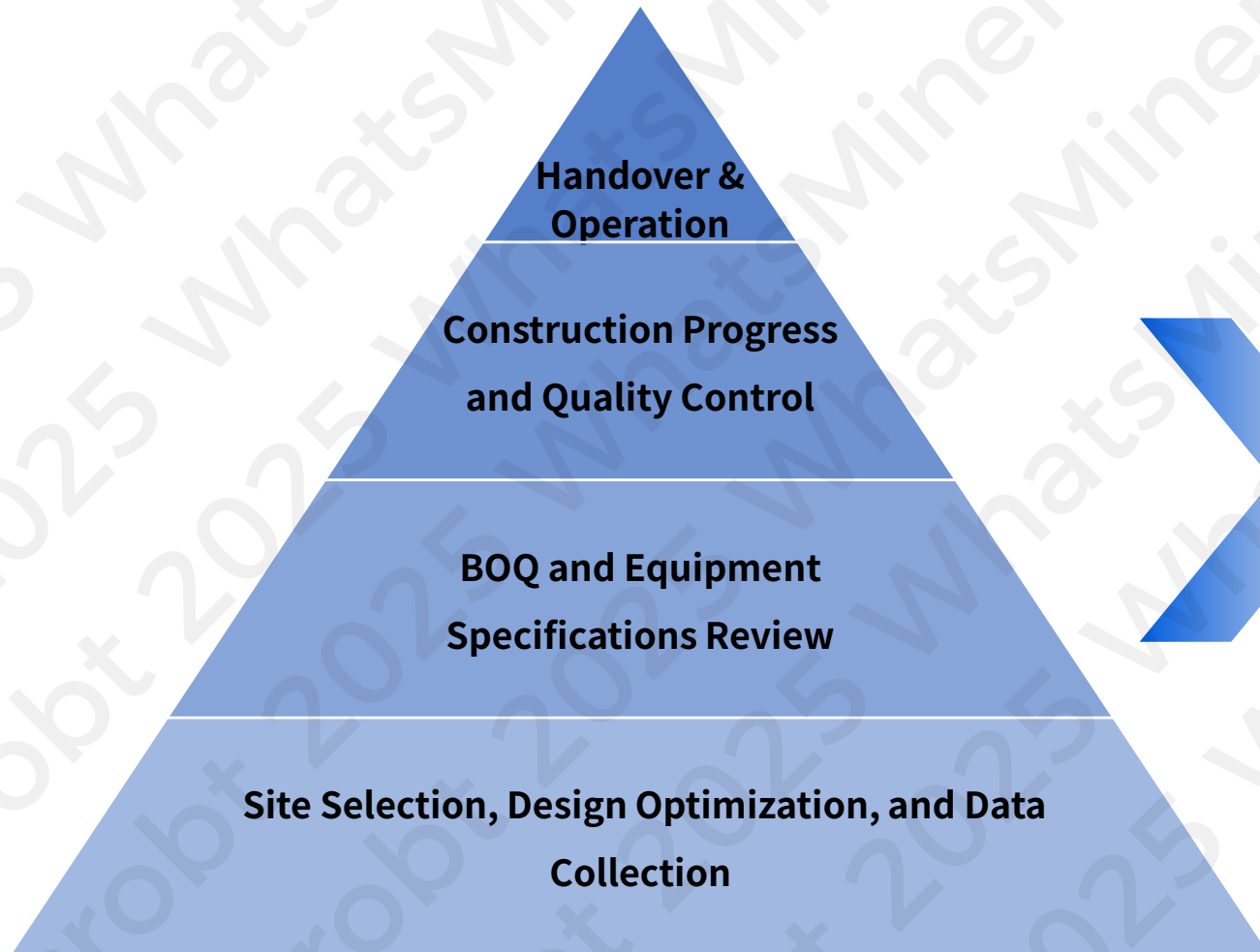
- Plant solution: about 5-7 months, or even longer



- Container construction period: **about 40 days**



# 4 WhatsMiner Services



**Low Cost**

- Low construction cost
- Low operation and maintenance costs
- High power efficiency

**High Reliability**

- Miner online rate  $\geq 99\%$
- Hydro-cooling system supports online maintenance
- Annual RMA rate  $< 0.79\%$

**High Return**

- Waste heat recovery generates additional revenue, with cumulative application of about 10 MW
- Short construction cycle



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