

# MINING ASSET

July 26<sup>th</sup>, 2021

The following document provides a rough draft of sub-systems, added features, and contents included in the portable Data Hosting Asset.

The Asset was constructed as a "Field Test Unit" and has never been deployed beyond the initial testing phase.

## SYSTEM FEATURES

### 1. SERVERS

The server equipment is in relatively new condition. Field Tested for 6 weeks in July & August 2020.

Servers have seen little runtime and have been stored indoors.

The individual server software has been upgraded, tested, and run the latest and most productive programs available.

#### BITCOIN PORTABLE TRAILER - SERVER CONTENT

| LABEL | MODEL | SERIAL NUMBER       | NOTES                   |
|-------|-------|---------------------|-------------------------|
| 1029  | S17   | FXDZ05CAIJEJ03SB    |                         |
| 1055  | T3+   | 1306Ba194203806     |                         |
| 1232  | T17+  | ZRYTBJBJBJA001-ZB   |                         |
| 1216  | T17+  | HQDZ59BBJJCAD091T   | Needs a HASH Board      |
| 1052  | T17+  | HQSZ59BBJJCBF034M   | Needs a HASH Board      |
| 1050  | T3H   | 1286Ba193554391     | BAD Cable to HASH Board |
| 1033  | S9I   | DGYK37DAHJHJE0728   | BAD Control Board       |
| 1072  | 1066  | RST191116110090788A |                         |
| 1075  | 1066  | RSD191122110080759A |                         |
| 1073  | 1066  | RST191116110091533A |                         |
| 1074  | 1066  | RST191116110091539A |                         |
| 1051  | T3H   | NA36A08A198051978   |                         |
| 1052  | T3H   | NA36A08A198051055   |                         |
| 1053  | T3H   | NA36A08A198051155   |                         |
| 1084  | T3H   | NA36A08A198050846   |                         |
| 1099  | T3+   | NA45A08A19A172233   |                         |
| 1056  | T3+   | NA45A06A19B260191   |                         |
| 1058  | T17+  | HQDZ59BBJJCBF035P   |                         |
| 1030  | S17   | FXDZ48UAIJEJ03DG    |                         |
| 1037  | T2TZS | 1240Aa192955117     |                         |
| 1039  | T2TZS | 1240Aa192951868     |                         |
| 1066  | 1066  | RST191130110020010A |                         |
| 1067  | 1066  | RST191116110090436A |                         |
| 1068  | 1066  | RST191116110090122A |                         |
| 1069  | 1066  | RSD191122110080842A |                         |
| 1070  | 1066  | RSD191121110080433A |                         |
| 1071  | 1066  | RST191103100141687A |                         |
| 2001  | S9J   | YDFT43RAHJGBG3072   |                         |
| 2002  | S9J   | SZCC43RAHJHBD0866   |                         |
| 1036  | S9I   | DGYK37DAHJHJE0732   |                         |
| 1037  | S9i   | DGYK37DAHJHJE0730   |                         |
| 1031  | S9j   | YDFT43RAIJGAJ0DHE   |                         |
| 1032  | S9j   | YDFT43RAIJGAJ0DJE   |                         |
| 1021  | S9j   | YDFT43RAIJGAJ0DKG   |                         |
| 1020  | S9j   | YDFT43RAIJGAJ0DKF   |                         |
| 1026  | S9j   | YDFT43RAHJHBE6361   |                         |

## 2. TRAILER

The trailer was purchased several years prior to mining retrofit < 5k total kilometres.

The trailer would support additional equipment weight associated with system expansion.

The suspension, axels and tires are all in new condition and have been recently serviced.

The trailer is equipped with a standard air-conditioning and cooling system, but the base board heaters have been removed (not required).

The trailer has been road tested and travels well.

Additional padlock assemblies (keyed the same) have been installed on all entrance doorways.

The existing trailer sub systems for power or lighting have been left intact.

## 3. TRAILER – MODIFICATIONS

The trailer has undergone several modifications to facilitate the current payload and for future system expansion:

- a. LOUVERS – The installation of 5 independent louver banks. Electric motors.
- b. WALL – The installation of an internal dividing wall.  
  
Separates forward (servers & subsystems) and aft (electrical distribution) trailer sections.  
  
Provides rear mounting surface for electrical distribution network.  
  
Restricts forward area access to one entry point (security).  
  
Facilitates installation of additional power receptacles and lighting.  
  
Isolates most electrical feed\source cables (5 of 6).
- c. AIR INTAKE SYSTEM – The installation of a filtered floor (steel grate) air intake system.  
  
The floor air intake system is fully adjustable.  
  
Filters can be easily replaced – maintenance.
- d. SHELVING – Installation of 8' (starboard side) & 12" (port side) for 100+ servers.  
  
Anti-theft design to prevent any removal of server equipment from the outside through the louvers.
- e. ALARM SYSTEM – The installation of a local entry intrusion alarm system.  
  
Monitoring of all door entry points, which trigger local horn and 2 exterior beacons.  
  
Hidden Push button for local entry - alarm system bypass.
- f. CAMERAS – Three (3) independent cameras have been installed throughout the Asset.  
  
One (1) camera is in the forward section, two (2) cameras are located outside the Asset.

One (1) additional camera will be installed to provide 2 views of the main\front entrance way.

- g. DATA SWITCH - AIR INTAKE PORTS – Two (2) 4” filtered air intake ports installed behind the data switch racking.

Filters can be easily replaced – maintenance.

- h. FLOOR EPOXY – Application of non-slip flooring epoxy throughout.
- i. FIRE EXTINGUISHERS – Mounted in forward & aft sections.
- j. LIGHTING – Installation of additional front lighting fixtures
- k. AIR COMPRESSOR – Installation of air compressor & hose – maintenance.
- l. INSPECTION – Trailer special inspection permit (includes electrical).

#### **4. POWER & ELECTRICAL DISTRIBUTION SYSTEM**

The Asset has been retrofitted with a modular electrical distribution network to facilitate electrical power source feeds for all current server & subsystem equipment, future server & subsystem expansion, and general Asset operational circuitry.

The electrical distribution network is comprised of 6\*225Amp, 3phase, 120\208vac panels (A-F).

The electrical distribution design incorporates all subsystems that require 120vac (neutral conductor) into one main panel (F). All other electrical distribution panels would require 3phase power only (no neutral conductor required).

The installation of 6x6x4 electrical JB's (~40) have been strategically placed to facilitate electrical power feeds to all server equipment – This includes current equipment and provisions for future expansion.

All current server equipment has been terminated, tested, approved (permit), and each server maintains the appropriate overcurrent protection (breakers).

All spare\future electrical distribution panels have been wired to the appropriate JB, capped, and maintain 60amp overcurrent protection (breakers).

Additional “Spare conductors” have been installed from panels E&F to various JB locations.

Current transformers are provided for the first 6 circuits on panel F (1-6) & main incoming power feed cables.

Panel grounding conductors have been installed throughout the entire power distribution network.

Electrical louver control motors are installed and functional.

Electrical temperature sensors located throughout the Asset have been installed, wired, and tested.

An auxiliary power system has been installed to enable operation of critical systems in the event the main panel source fails. The external receptacle (20amp\120vac) facilitates a standard electrical extension cord and small (6000w) standby generator system.

## 5. GENERATOR POWER - TERMINATION EQUIPMENT (Not Include in price)

The Asset may also include electrical hardware and associated overcurrent protection infrastructure required to terminate from the power source (generator\transformer) to the Asset power distribution panels.

Equipment would include the following:

- |                          |                      |            |
|--------------------------|----------------------|------------|
| a. Disconnect            | 400amp\3 phase+N     | (1)        |
| b. Splitter              | 400amp\3 phase+N     | (1)        |
| c. Fuses                 | 400amp fuse          | (3)        |
| d. Teck Cable            | 300\350 MCM Al 3wire | (~70-100') |
| e. Teck Cable Connectors | 300\350MCM Al 3 wire | (4)        |
| f. Bonding Conductor     | #4 Ground            | (~70-100') |

## 6. DATA NETWORK INFRASTRUCTURE

The data network infrastructure encompasses all equipment required to facilitate production.

Network connectivity can be configured for either modem or high-speed land line connections.

Items included in the Asset are as follows:

- a. MODEM – remote access modem. (Not included)

The modem would also include exterior antenna, coax, and termination to the data switch assembly.

The modem would also provide remote access to the Asset and associated operational systems.

- b. NETWORK SWITCH ASSEMBLY – 4\*24 port network switches & 8 switch rack assembly.

- c. DATA CABLE – Cat 5\6 network cable & termination connectors.

Data cable is wired, terminated, and tested to all server and network appliances.

Asset internal operational temperature monitoring.

Asset operational power consumption.

Asset intrusion and alarming.

Asset camera system and security video feeds.

Additional “spare” cat 5\6 cable runs are provided to various locations.

## 7. VIEWING

The Asset is in Edmonton, Alberta and can be viewed as per appointment.

## 8. SOLD – WHERE IS AS IS

The Asset will be sold “AS IS”.

Commissioning services can be arranged but is not included in pricing.