

# LP CRYPTO MISSION CRITICAL SOLUTIONS

## ENHANCE YOUR CRYPTO MINING CAPABILITIES WITH LP CRYPTO MISSION CRITICAL

LP Crypto Mission Critical offers a comprehensive range of solutions tailored for the cryptocurrency industry worldwide. Enjoy simpler and faster operations, turn-key supply chains, unlimited scalability and unmatched adaptability to changing market demands. With our global network spanning over 50 countries, our dedicated Crypto Mission Critical team ensures reliable and cost-effective solutions, making us the trusted partner for the most sensitive, time critical and complex needs.

### OUR SERVICES

- Global trade advisory / procurement optimization / incoterm negotiation, market cost analysis, etc.
- Freight forwarding / logistics services (transport sequence optimization, mode selection, ocean / air / truckload / LTL / parcel / rail)
- EOR / IOR services, in-house customs brokerage and compliance services
- Warehousing, storage & inventory management – national, regional & local / job site buffer stock sites; FTZ and bonded warehousing
- Product configuration – offsite and onsite materials management, product assembly, integration, setup, etc.
- Materials sourcing – transformers, generators, chillers, louvers, PDUs, cable, miners, etc.
- Supply chain visibility / control tower solutions
- Data center commissioning, decommissioning & reconfiguration staffing solutions



### DATA CENTER STAFFING SOLUTIONS

- Shipment unload, receive, unbox, inspect, asset tag application
- De-rack and rack units, connect power and network cables
- Power on machines, diagnose error logs, document serial number, map site, troubleshoot DOA units
- Configure mining units and upgrade firmware
- Clean & refurbish mining units
- Remove & install air filters as needed
- Hot swap / replace with parts on-site
- Remove / clear / recycle all trash and corrugate

# LP CRYPTO MISSION CRITICAL SOLUTIONS

## CASE STUDY 1: FULL-SCALE COMMISSIONING OF A NEW DATA CENTER IN TX, USA

### Context:

- The client is a medium-sized miner expanding their data center footprint
- New set up of a 10MW BTC facility in TX
- Over 2500 S21 miners procured from the manufacturer
- Tight project deadlines to go live and maximize ROI

### Key Challenges:

- Lack of talent pool / skilled labor near the site
- Potential risks/bottlenecks (US Customs, site operations, material flows)
- Lack of coordination between distributed parties involved in the supply chain

### Solution:

LP Crypto Mission Critical provided end-to-end supply chain solutions for the client, including:

- Advised procurement team to use EXW INCOTERMS, negotiate product cost down, and control the inbound logistics
- Monitored manufacturing progress and coordinated mining unit pickup from the factory
- Provided door-to-door freight forwarding services (split the PO across multiple air charters, cleared US Customs, paid duties, delivered last-mile to site)
- Provided onsite staffing (15+ people) to support the workload surge:
  - Shipment unload, receive, unbox, inspect, asset tag application
  - Rack units, connect power and network cables
  - Power on machines, configure, upgrade firmware, diagnose error logs, document serial number, map site, troubleshoot DOA units
  - Clean & refurbish mining units, hot swap / replace with parts on-site
  - Remove & install air filters as needed
  - Remove / clear / recycle all trash and corrugate (retaining 2% corrugate in stock for DOA returns)

### Results:

- Mining operations online at 100% expected operational hashrate
- Installation/commissioning condensed to 8 days using LP's extended workforce
- Minimized downtime and reduced total deployment cost through proactive contingency planning; ROI achieved in the shortest time possible
- DOA miners addressed onsite to mitigate lost hashrate
- Visibility of all inventory maintained throughout the product lifecycle



# LP CRYPTO MISSION CRITICAL SOLUTIONS

## CASE STUDY 2: DECOMMISSIONING & RECONFIGURATION OF AN AGING DATA CENTER IN OH, USA

### Context:

- The client is a large miner with a distributed network of data centers of varying ages
- Upgrading of a 25 MW BTC facility in OH
- Decommissioning & asset recovery of over 8000 S19 generation miners and commissioning of over 6500 S21 Pro miners at the site

### Key Challenges:

- Electrical upgrades required (and rolled out in 2 phases)
- Site infrastructure upgrades necessary to accommodate S21 generation miners
- Need to minimize mining downtime during site upgrade
- Lack of talent pool / skilled labor near the site
- Potential risks/bottlenecks (US Customs, site operations, material flows)

### Solution:

LP Crypto Mission Critical provided end-to-end supply chain solution for the client, including:

- Staged logistics routing in phases to match electrical upgrades and balance site workload (split PO across multiple air shipments for phase 1 deliveries and ocean shipments for phase 2 deliveries)
- Provided all inbound and outbound transportation of all mining units, enabling equipment and consumables
- Removed & stored decommissioned S19 units at our offsite regional warehouse
- Provided onsite staffing (15+ people) to support workload surges across both phases:
  - De-rack S19 units, capture serial numbers/inventory in WMS
  - Remodel existing racking and hot isle isolation measures to accommodate larger form factor S21 generation miners
  - Manage logistics for PDUs, power cables, consumables, and disposal of e-waste
  - Modify power distribution systems to accommodate larger power draw units and enable 3-phase 380V units (including power cabling and ethernet)
  - Unload, receive, unbox, inspect, asset tag application on new S21 units
  - Rack units, connect power and network cables
  - Power on machines, configure, upgrade firmware, diagnose error logs, document serial number, map site, troubleshoot DOA units
  - Clean & refurbish mining units, hot swap / replace with parts on-site
  - Remove & install air filters as needed
  - Remove / clear / recycle all trash and corrugate (retaining 2% corrugate in stock for DOA returns)



### Results:

- Installation / commissioning activities condensed using LP's extended workforce
- Total cost impact reduced through proactive logistics sequencing and workload balancing
- ROI achieved in shortest time possible
- Visibility of all inventory (S19 and S21) maintained throughout product lifecycle