

Leveraging dispatchable compute to support the energy transition

NASDAQ:MARA • INVESTOR PRESENTATION • Q3 2024

## M Disclaimer

#### **Investor Notice**

Investing in our securities involves a high degree of risk. Before making an investment decision, you should carefully consider the risks, uncertainties and forward-looking statements described under the heading "Risk Factors" in our most recent annual report on Form 10-K and any other periodic reports that we may file with the U.S. Securities and Exchange Commission (the "SEC"). If any of these risks were to occur, our business, financial condition or results of operations would likely suffer. In that event, the value of our securities could decline, and you could lose part or all of your investment. The risks and uncertainties we describe are not the only ones facing us. Additional risks not presently known to us or that we currently deem immaterial may also impair our business operations. In addition, our past financial performance may not be a reliable indicator of future performance, and historical trends should not be used to anticipate results in the future. See "Forward-Looking Statements" below.

#### **Forward-Looking Statements**

This presentation contains forward-looking statements within the meaning of the federal securities laws. All statements, other than statements of historical fact, included in this presentation are forward-looking statements. The words "may," "will," "could," "anticipate," "expect," "intend," "believe," "continue," "target" and similar expressions or variations or negatives of these words are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Such forward-looking statements include, among other things, statements related to the expected timing and achievement of our growth targets, specifically relating to our anticipated hash rate and exahash growth, developing technologies, and bitcoin treasury policy. Such forward-looking statements are based on management's current expectations about future events as of the date hereof and involve many risks and uncertainties that could cause our actual results to differ materially from those expressed or implied in our forward-looking statements. Subsequent events and developments, including actual results or changes in our assumptions, may cause our views to change. We do not undertake to update our forward-looking statements except to the extent required by applicable law. Readers are cautioned not to place undue reliance on such forward-looking statements. All forward-looking statements included herein are expressly qualified in their entirety by these cautionary statements. Our actual results and outcomes could differ materially from those included in these forward-looking statements as a result of various factors, including, but not limited to, the factors set forth under the heading "Risk Factors" in our most recent annual report on Form 10-K, and any other periodic reports that we may file with the SEC.

## M Who We Are

MARA is one of the largest dispatchable compute companies.

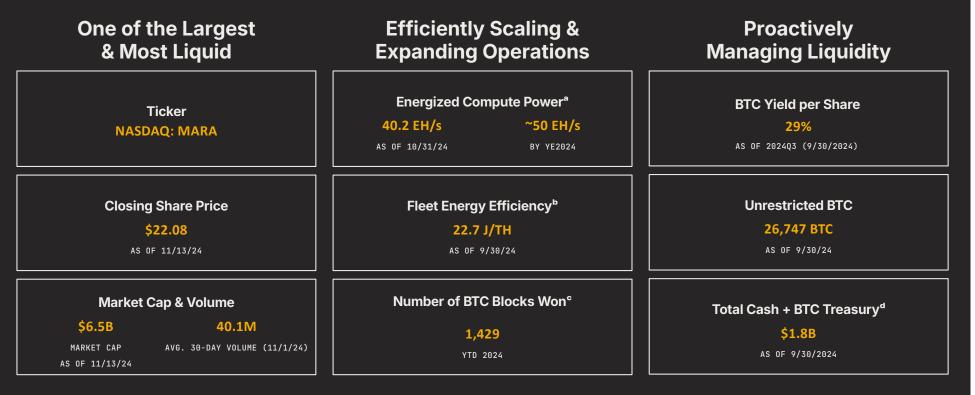
We support the energy transformation.

We assist in securing the world's preeminent blockchain ledger.

We help convert clean, stranded, or otherwise underutilized energy into value.

Our mission is to build a more sustainable and inclusive future.

## M One of the world's largest dispatchable compute companies



SOURCE: COMPANY DATA AND FACTSET

DEFINITIONS AND NOTES:

A. ENERGIZED COMPUTE POWER IS DEFINED AS THE AMOUNT OF HASH RATE THAT COULD THEORETICALLY BE GENERATED IF ALL MINERS THAT HAVE BEEN ENERGIZED ARE CURRENTLY IN OPERATION INCLUDING MINERS THAT MAY BE TEMPORARILY OFFLINE. HASH RATES ARE ESTIMATES BASED ON THE MANUFACTURERS' SPECIFICATIONS. ALL FIGURES ARE ROUNDED.

B. FLEET ENERGY EFFICIENCY IS MEASURED IN JOULES PER TERAHASH (J/TH), WHICH IS THE AMOUNT OF ENERGY, IN JOULES, USED PER UNIT OF COMPUTATION, IN TERAHASHES.

C. THESE METRICS ARE MARAPOOL ONLY AND DO NOT INCLUDE BLOCKS WON FROM JOINT VENTURES.

D. TOTAL CASH PLUS BTC TREASURY IS THE SUM OF UNRESTRICTED CASH AND CASH EQUIVALENTS AND UNRESTRICTED BTC. DUE TO ROUNDING, THE FIGURES MAY NOT ADD UP EXACTLY.

## MARA at a glance

#### **Our Core Business**

- Converting clean, stranded, or otherwise underutilized energy into economic value with the most efficient hardware available
- Developing new technologies to advance the Bitcoin mining network

#### **Our Strategy**

#### Vertically Integrated Technology

• Software + hardware + infrastructure

#### **Bitcoin Treasury**

• 26,747 BTC held (unrestricted September 2024), full "HODL" approach

#### **Diversified Operations**

• 40.2 EH/s energized combined at 16 sites across four continents<sup>d</sup>

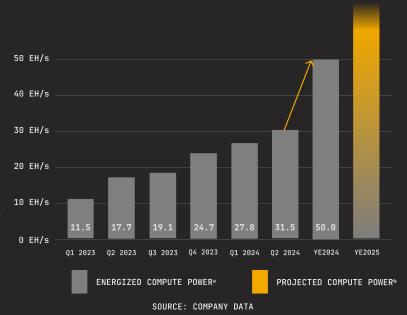
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- b. PROJECTED COMPUTE POWER REPRESENTS EXPECTED TIMING AND ACHIEVEMENT OF OUR GROWTH TARGETS FOR ENERGIZED COMPUTE POWER. THE COMPANY CANNOT ASSURE YOU THAT THE EVENTS AND CIRCUMSTANCES REFLECTED IN THE FORWARD-LOOKING STATEMENTS WILL BE ACHIEVED OR OCCUR, AND ACTUAL RESULTS COULD DIFFER MATERIALLY FROM THOSE EXPRESSED OR IMPLIED IN THE FORWARD-LOOKING STATEMENTS.

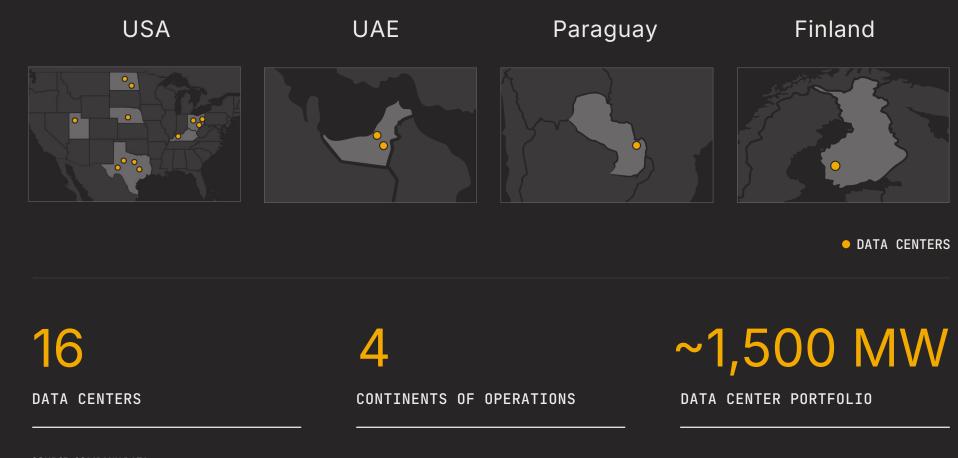
c. AS OF 9/30/24

d. AS OF 10/31/24

#### Increasing Compute Power ~58%+ By YE2024



# ■ We excel in optimizing energy use on a global scale



SOURCE: COMPANY DATA

▷ | INVESTOR PRESENTATION • NASDAQ:MARA

# Localizing the energy transformation



ational Affairs Business Center





#### Abu Dhabi: Load Balancing the Power Grid

The Challenge: In the UAE, energy consumption peaks during the hot summer months primarily due to high air conditioning demand.<sup>1</sup> However, power facilities must operate at the same capacity all year round to meet the constant need for water desalination.<sup>2</sup> This disparity results in an estimated \$600 million in lost annual revenues.<sup>3</sup>

The Solution: We launched a JV with Zero Two to establish the region's first large-scale, immersion-cooled digital asset data centers.<sup>4</sup> By integrating a flexible and interruptible base load energy consumer, Abu Dhabi's power grid reduces its exposure to seasonal demand and energy producers monetize wasted energy, which could incentivize investment in grid infrastructure.<sup>5</sup>

#### Kenya: Optimizing Renewable Energy Projects

The Challenge: Kenya has abundant renewable energy resources, but the country's vast landscape can make it difficult to transport energy to its dispersed population.<sup>6</sup>

The Solution: In partnership with the Republic of Kenya, we established a Joint Steering Committee and framework to deploy green data centers, optimizing renewable energy projects, advancing technology infrastructure, and promoting economic development across Kenya.<sup>7</sup>

#### **Integrating Accretive Acquisitions**

#### Granbury, Texas: Transforming Operations and Upgrading Technology<sup>8</sup>

The Challenge: When we assumed control of the Granbury, Texas, site from its predecessor in early 2024, we encountered challenges, including poorly maintained infrastructure, frequent electrical outages, and low employee morale. The site's condition was a major obstacle to efficient operations and employee satisfaction.

The Solution: In just a few months, we've repaired the infrastructure, resolved electrical issues, and improved employee morale. We've also begun upgrading the sound wall and are installing single-phase immersion containers, aiming for 50% by year-end.

# Vertically integrated tech stack improves operational efficiency & enhances economic moat



# Technology Stack

SOFTWARE

FIRMWARE

HARDWARE

INFRASTRUCTURE



#### MARAPOOL: Secure & Transparent Bitcoin Mining Pool

- Self owned and operated mining pool
- Reduces latency, generates above average fee revenues

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#### MRAFW: Custom Bitcoin Mining Firmware

- Proprietary firmware optimizes our miners'
  performance
- Better curtailment times, improved temperature control, voltage protection

#### **Specialized Bitcoin Mining Hardware**

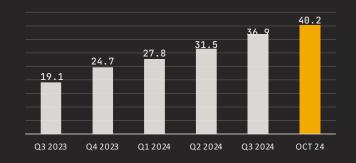
- Investing in the most advanced ASICs (Auradine)
- Believed to be one of the most energy efficient mining fleets (25.0 J/TH)

#### **Advanced Liquid Immersion Cooling**

- Reduces maintenance of miners and overcomes challenging climates
- Designing next-gen cooling systems (2PIC) for Bitcoin mining, AI/HPC. MEC, and defense applications

#### Key metrics in focus M

**ENERGIZED COMPUTE POWER (EH/S)**<sup>a</sup>

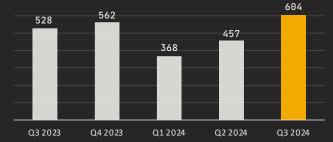


AVERAGE FLEET ENERGY EFFICIENCY (J/TH)<sup>b</sup>

(THE AMOUNT OF ENERGY USED, MEASURED IN JOULES, PER UNIT OF COMPUTATION)



BITCOIN BLOCKS PRODUCED<sup>c</sup>



#### DAILY COST PER PETAHASH<sup>d</sup>



SOURCE: COMPANY DATA

DEFINITIONS AND NOTES:

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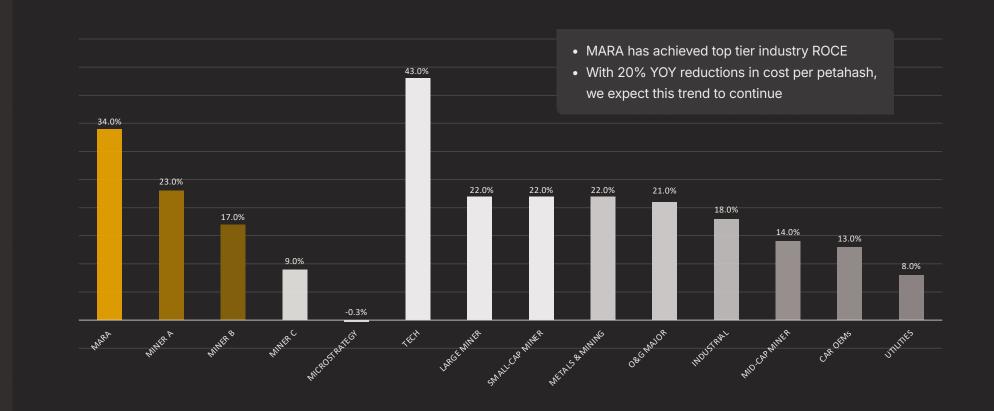
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c. THESE METRICS ACCOUNT ONLY FOR MARAPOOL AND DO NOT INCLUDE BLOCKS WON FROM JOINT VENTURES.

d. DAILY COST PER PETAHASH QUANTIFIES THE COST OF 1 PH/S OF COMPUTE POWER PER DAY.

# ■ Return on capital employed (ROCE) analysis

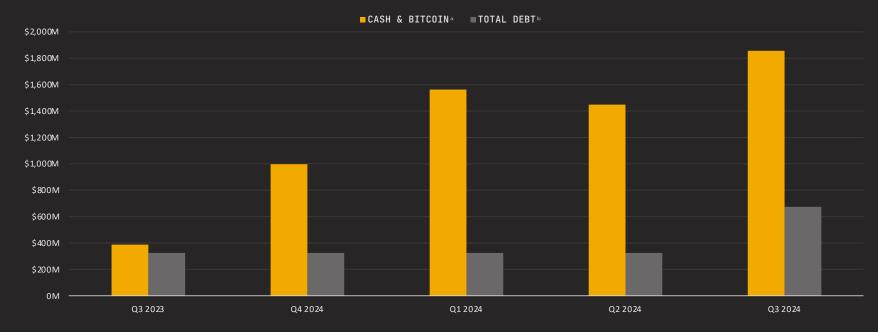
(\$ IN MILLIONS, UNLESS OTHERWISE STATED)



SOURCE: FACTSET NOTE: ROCE IS DEFINED AS ADJUSTED EBITDA/AVG CAPITAL EMPLOYED (TOTAL ASSETS-CURRENT LIABILITIES). OTHER PUBLIC MINERS INCLUDE RIOT, CLSK, CIFR.

# Proactive treasury management: Increasing total short-term liquidity on the balance sheet

## Total Short-Term Liquidity: ~\$1.8 Billion



SOURCE: COMPANY DATA

DEFINITIONS AND NOTES:

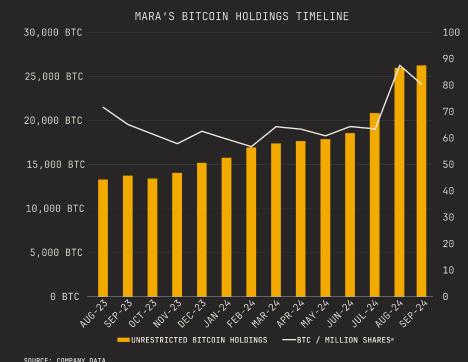
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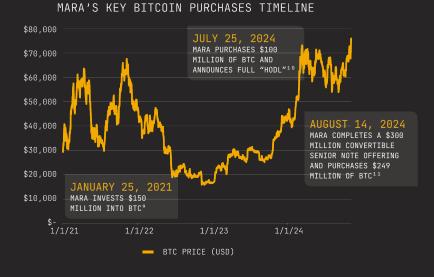
b. TOTAL DEBT IS THE SUM OF SHORT-TERM DEBT AND LONG-TERM DEBT.

Μ

# Long-term confidence in bitcoin: Full "HODL" approach, retaining all BTC mined & making strategic open market purchases

We balance investing in mining operations, which take 12-18 months to generate revenue, with strategic Bitcoin purchases during market downturns, prioritizing higher returns for shareholders.





#### As of September 30, 2024, MARA is the secondlargest publicly traded company with Bitcoin on its balance sheet, holding 26,747 BTC.<sup>12</sup>

a. BITCOIN PER SHARE IS THE SUM OF TOTAL UNRESTRICTED BTC DIVIDED BY TOTAL SHARES OUTSTANDING (IN MILLIONS).

DEFINITIONS AND NOTES:

# ■ BTC Yield Through 9/30/24

	12/31/2023	9/30/2024
TOTAL BITCOIN HOLDINGS	15,174	26,747
SHARES OUTSTANDING (IN '000s)		
COMMON STOCK	242,829	304,913
2026 1% CONVERT SHARES	5,969	5,969
2031 2.125% CONVERT SHARES		19,854
UNVESTED RSU / PSU UNVESTED	5,766	10,872
WARRANTS	324	324
ASSUMED DILUTED SHARES OUTSTANDING	254,889	341,933
BTC PER SHARE (IN '000s)		0.08
BTC YIELD % (QUARTER-OVER-QUARTER)		28.85%
BTC GROWTH % (YTD 2024)		31.35%



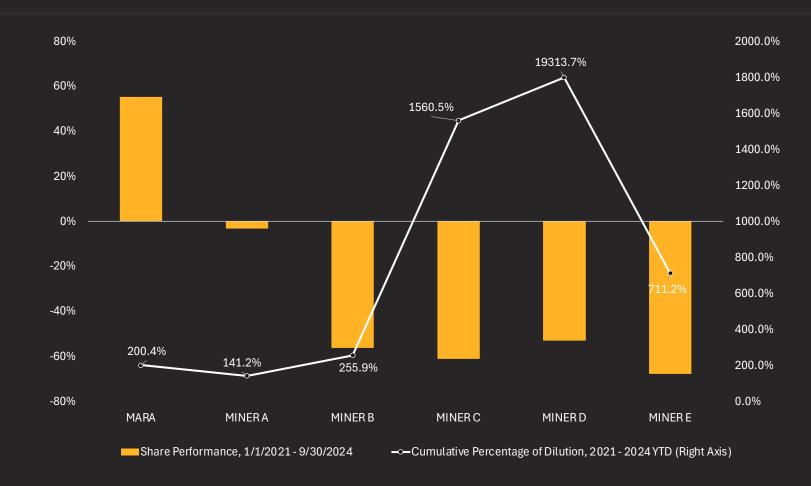
BITCOIN / FULLY DILUTED SHARE OUTSTANDING (MM)



\* "BITCOIN YIELD" IS A KEY PERFORMANCE INDICATOR ("KPI") THAT REPRESENTS THE RATIO BETWEEN THE COMPANY'S BTC HOLDINGS AND ITS FULLY DILUTED SHARES OUTSTANDING. WE MEASURE THE PERCENT CHANGE OF OUR BITCOIN YIELD QUARTER-OVER-QUARTER AND YEAR TO DATE AND USE THIS KPI TO HELP ASSESS THE PERFORMANCE OF OUR BITCOIN ACQUISITION AND MINING HODL STRATEGY - IT IS NOT AN OPERATING PERFORMANCE MEASURE OR A FINANCIAL OR A LIQUIDITY MEASURE.

\* ASSUMED FULLY DILUTED SHARES OUTSTANDING REFERS TO THE AGGREGATE OF OUR ACTUAL SHARES OF COMMON STOCK OUTSTANDING AS OF THE END OF EACH PERIOD PLUS ADDITIONAL SHARES THAT WOULD RESULT FROM THE ASSUMED CONVERSION OF ALL OUTSTANDING CONVERTIBLE NOTES, AND SETTLEMENT OF ALL OUTSTANDING RESTRICTED STOCK UNITS AND PERFORMANCE STOCK UNITS, AND EXERCISE OF WARRANTS. ASSUMED FULLY DILUTED SHARES OUTSTANDING IS NOT CALCUNT ANY VESTING CONVERTIBLE NOTES, AND SETTLEMENT OF ALL OUTSTANDING RESTRICTED STOCK UNITS AND PERFORMANCE STOCK UNITS, AND EXERCISE OF WARRANTS. ASSUMED FULLY DILUTED SHARES OUTSTANDING IS NOT CALCUNT ANY VESTING CONVERTS OF CONTRACTUAL CONDITIONS LITING CONVERTIBLITY OF CONVERTIBLE USTRING THE TREASURY STOCK METHOD OR IF-CONVERTED DOES NOT TAKE INTO ACCOUNT ANY VESTING CONVENTY AWARDS OF ANY CONTRACTUAL CONDITIONS LITING CONVERTIBLITY OF CONVERTIBLITY OF CONVERTION.

#### Stock Performance and Share Dilution Since 2021 Μ



SOURCE: FACTSET. SHARE PERFORMANCE THROUGH 9/30/2024. OTHER PUBLIC MINERS INCLUDE CLSK, RIOT, WULF, BITF, CIFR, CLSK.

# A Diversified, Portfolio Approach to Bitcoin Mining

Each Bitcoin mining deployment comes with its own set of constraints, and each requires a curated approach. We adapt accordingly. Over time, we have used different strategies and structures to build a portfolio of Bitcoin mining operations that is designed to diversify risk across our organization.

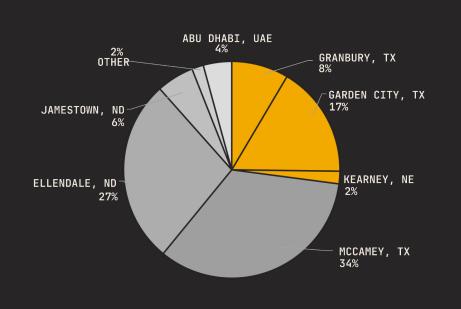
#### Self-Hosting / Vertically Integrated / Joint Ventures

- Optimizes for bespoke design
- Optimizes for lowest operating cost
- Optimizes for optionality of scaling as needed

#### **Third-Party Hosting**

- Optimizes for rapid deployment
- Optimizes for capex shifts burden and risk to hosting provider, maximizes capex available to invest in mining rigs
- Optimizes for optionality ability to move at end of term w/o abandoning infrastructure investment

# ▲ Significantly increasing power capacity & ownership



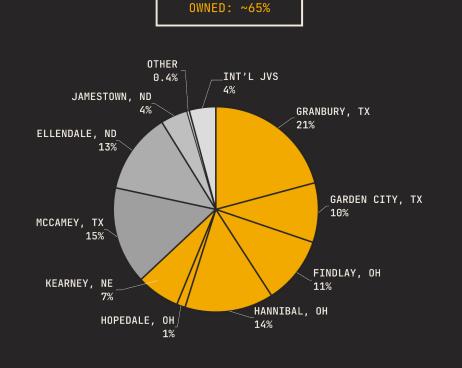
#### 12/31/23 Capacity (MW) by Location<sup>a</sup>

TOTAL: 619 MW

OWNED: 4%

#### Expected Available Capacity (MW) by Location<sup>b</sup>

TOTAL: ~1,500 MW



a. COMPANY INTERNAL DATA

b. EXPECTED NAMEPLATE MEGAWATT CAPACITY FOLLOWING THE CLOSING OF RECENT TRANSACTIONS AND EXPANSION OPPORTUNITIES.

# MARA's Disciplined, Inorganic Growth Strategy



EXCLUDING CONTINGENT PAYMENTS. OTHER PUBLIC MINERS INCLUDE CLSK, RIOT, AND BITF. SOURCE: PUBLIC DISCLOSURES

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#### MARA Increases PJM Operations by +365MW Μ

#### Investment Highlights and Considerations

Up to 372 MW of capacity additions (152 MW current)

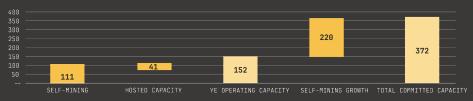
Increases owned and operated capacity by over 70%

Attractive entry price at less than \$300/kW (for just acquired capacity)

Cost reduction of ~50% at hosted sites and cost accretive to broader MARA portfolio

Diversifies MARA exposure to different regulatory environments (no single ISO with >50% of MARA capacity)

#### Interconnect Capacity Overview<sup>a</sup>





**MARA Site Additions** 

SOURCE: MARA DEVELOPMENT ESTIMATES AND SELLER DATA, COMPANY DATA

a. SUMMARIZES THE POTENTIAL FOR THE SITE POST-NYDIG HOSTING AND ASSUMING MARA DEVELOPS THE LONG-TERM GROWTH CAPACITY.

# MARA's portfolio approach to dispatchable compute

#### **Applying Portfolio Theory Key Advantages To Bitcoin Mining Assets Third-Party Hosted** Rapid deployment; outperforms in bull cycles Lower operating cost and greater control; outperforms in Self-Hosted bear cycles Hedge against currency risk and inflation; historical strong **Bitcoin Reserves** performance as an asset Short-term "dry powder"; provides liquidity to take Cash advantage of attractive opportunities Potential to monetize proprietary technology in non-Bitcoin **Non-Mining Revenue** mining sectors

# M World-class dispatchable compute fleet

<mark>16</mark> Total Sites	<b>1,500MW</b> Total Available Capacityª		<b>271,298</b> al Operational Miners	40.2 EH/S Energized Compute Power	22.7 J/TH Fleet Efficiency
SITE LOCATION	OWNERSHIP	POWER TYPE	COOLING TECHNOLOGY	OPERATIONAL MINERS	ENERGIZED COMPUTING POWER
GARDEN CITY, TX	SELF-OWNED AND OPERATED	<b>Ⅲ</b> ≺	AIR, IMMERSION	42,000	6.8 EH/S
GRANBURY, TX	SELF-OWNED AND OPERATED		AIR, IMMERSION	37,184	6.8 EH/S
KEARNEY, NE	SELF-OWNED AND OPERATED		AIR	26,654	5.7 EH/S
ELLENDALE, ND	THIRD-PARTY HOSTED		AIR	50,640	8.0 EH/S
MCCAMEY, TX	THIRD-PARTY HOSTED	₩ ~	AIR	68,240	7.6 EH/S
JAMESTOWN, ND	THIRD-PARTY HOSTED		AIR, IMMERSION	19,900	2.4 EH/S
ABU DHABI, UAE	JOINT VENTURE/PARTNERSHIP <sup>b</sup>		IMMERSION	8,490	1.2 EH/S
HERNANDARIAS, PARAGUAY	JOINT VENTURE/PARTNERSHIP		AIR	3,800	0.9 EH/S
<b>OTHERS</b> <sup>b</sup>	VARIES	VARIES	VARIES	14,461	1.9 EH/S

GRID SOURCE: COMPANY DATA

WIND

HYDRO

AS OF OCTOBER 31, 2024

THE OPERATIONAL DATA PRESENTED HEREIN SHOULD BE CONSIDERED AS APPROXIMATIONS EXCLUSIVELY INTENDED FOR DEMONSTRATIVE PURPOSES.

B. JOINT VENTURE/PARTNERSHIP DATA ONLY REPRESENTS MARA'S SHARE OF THE OPERATIONS AND NOT THE TOTAL SCOPE OF OPERATIONS. C. OTHERS INCLUDES OUR DIGITAL ASSET COMPUTE OPERATIONS IN SATAKUNTA, FINLAND, UTAH, UNITED STATES, HOPEDALE, OHIO, AND MURRAY, KENTUCKY.

# **Strategic Differentiators**

Generating New Revenue Streams via Energy Harvesting & Technology Products

#### Reducing input costs, diversifying revenue streams, & improving Μ environmental sustainability with Energy Harvesting



#### **Stranded Natural Gas**

Oil and gas well operators often flare natural gas since it may be more economical than selling or storing it, and for regulatory requirements.



#### **Stranded Landfill Gas**

Some landfills resort to venting or flaring methane since traditional waste-toenergy solutions (pipeline distribution or grid sales) are often infeasible.



#### **Stranded Biogas**

Agriculture (food, livestock, etc.) produces methane, most of which is not captured, so processors often flare methane instead of harnessing it via anaerobic digesters since they lack an on-site consumer.



#### Waste Heat Recovery

The heat by-product from our operations can be repurposed for diverse activities, such as warming greenhouses and buildings.

#### **Potentially Providing:**

- Near-Zero Cost Power
- New Revenue Streams
- Attractive Rate of Return
- Improved Access to Power
- Greenhouse Gas Mitigation
- Support for Developing New Renewable Energy Sources

# ■ Utilizing untapped natural gas to reduce emissions & costs<sup>16</sup>

# Every year, roughly 140 billion cubic meters of natural gas are flared globally.<sup>17</sup>

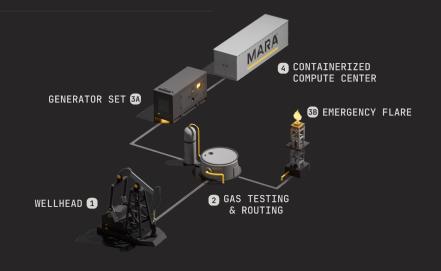
- Partnership with NGON
- 25 MW of onsite power distributed across wellheads in Texas and North Dakota
- Exclusively powered by associated natural gas, that would otherwise be flared into the atmosphere



Lowers operating costs for energy producer and increases methane mitigation efficiency up to 99%.<sup>18</sup>

# A digital asset compute data center located onsite:

- Monetizes gas with limited infrastructure
- Scales to various production levels
- Lessens need for costly transport infrastructure
- May generate carbon credits
- Reduces methane emissions



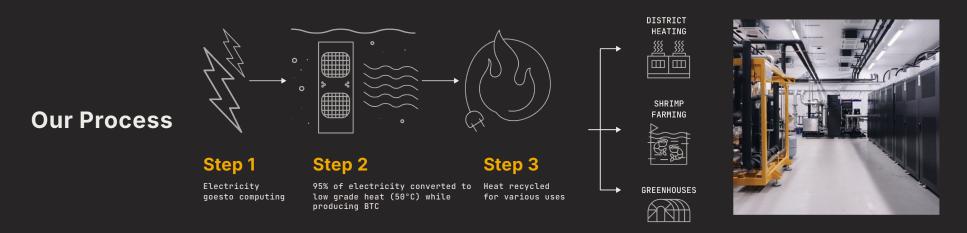
# Recycling heat for various low-grade heating applications

# 50% of the world's total energy consumption is used for heating<sup>13</sup>

- 2 MW pilot project located in Finland
- Providing heat to a town with 11,000 residences.
- Fully contained within a room measuring no more than 50×50 feet inside the district heating facility



M63s hydro-cooled miner: 24,619 BTU/hour, nearly **5x** more than an average space heater<sup>14,15</sup>



# Opening up our tech stack to earn non-bitcoin revenues

# MARAFW

# MARAFW

- Launched in March 2024
- Advanced firmware for Bitmain Antminers
- Designed to optimize Bitcoin mining performance, efficiency, and stability
- Potential to earn non-bitcoin revenue through direct sales, dev fees, monthly subscriptions, and lifetime license sales
- Secured our first paying customers and white labeled with NiceHash

# **2PIC by MARA**

- Launched in March 2024
- Next generation of immersion cooling technologies for data centers
- Built for unmanned operations in the harshest environments and offers one of the highest levels of power density and efficiency
- Opportunity to earn non-bitcoin revenue through sales
- Tens of millions of dollars in orders in the pipeline



# Immersion Cooling: The next frontier in data center optimization

#### **Rising Demand for Advanced Cooling Solutions**

Cooling servers makes up 40% of the energy consumption of air-cooled data centers.<sup>19</sup> As servers continue to increase in power density, immersion cooling becomes a growing necessity to optimize energy use and reduce OpEx.

The immersion cooling market is projected to grow at a 26.4% CAGR through the end of 2037.<sup>20</sup> MARA is utilizing it's experience in operating high-density data centers to help meet these cooling demands.

26.4%

CAGR



# 2PIC: Opening doors for AI/HPC & MARA with next-generation immersion cooling

# In Production 2PIC1000



FOR AI/HPC DATA CENTERS DIMENSIONS: 8' X 4' X 4' FT



Designed to maximize energy efficiency & power density<sup>21</sup>

2-4X more power within in the same space\*

Reduces data center space requirements up to 75%\*

Up 60% reduction in cooling overhead\*

For small to large-scale operations, both mobile and stationary

#### **In Development**



2PIC PORTABLE FOR USE ANYWHERE DIMENSIONS: CUSTOMIZABLE

2PIC RUGGED FOR MOVABLE, ROUGH USE DIMENSIONS: CUSTOMIZABLE



# Edge Computing<sup>22</sup>

#### Critical for real-time data processing

2PIC by MARA allows for high energy densities in small packages, essential for industries and applications requiring immediate decision making, including but not limited to:

- Healthcare
- Manufacturing
- Agriculture
- Telecommunications
- Transportation
- Finance

\*WHEN COMPARED TO TRADITIONAL AIR-COOLED AND SINGLE-PHASE IMMERSION SETUPS

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# Experienced management team



Fred Thiel CHAIRMAN & CEO

Proven tech entrepreneur, has served as CEO of three publicly traded companies, known for creating value through innovation, with extensive private equity and venture capital experience.



#### Jim Crawford

COO, ENERGY TRANSFORMATION Entrepreneur with 20 years of experience in operations and IP at publicly traded companies, specializing in scaling and optimization, MBA from Washington State, and a patent holder.



#### **Adam Swick**

CHIEF STRATEGY OFFICER

Former Director of Strategic Finance at Kraken, early-stage venture capitalist, founder of Swick Capital, and strategy consultant at BCG, with an MBA from Kellogg and a BS from Wharton.



Salman Khan CHIEF FINANCIAL OFFICER

Seasoned public company executive with extensive high-tech, renewable energy, oil and gas and big four accounting experiences globally. MBA from University of Michigan and UK Certified Accountant.



#### Ashu Swami

CTO & GM DIGITAL INFRASTRUCTURE Experienced in Bitcoin mining hardware and software, former portfolio manager in highfrequency trading at Morgan Stanley, with an MBA from Duke and a BTech in CSE from IIT Bombay.



#### Manoj Narender Madnani

MANAGING DIRECTOR, INTERNATIONAL Global business executive with 30+ years of experience in energy, infrastructure, and technology, former Managing Director of Kulczyk Investments SA, Babson College alumnus and Trustee, and member of YPO.

# Deep expertise in AI data centers & energy, proven track record in driving innovation & growth - BOD



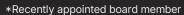
### **Fred Thiel CHAIRMAN & CEO**

- Proven tech entrepreneur with a track record as CEO of three publicly traded companies
- Drives company value through innovation and strategic leadership

• 40+ years of experience leading in FinTech · Focused on strengthening governance and strategy

Fred Thiel CHAIRMAN & CEO	Georges Antoun	<ul> <li>Over 30 years of experience in global technology companies</li> <li>Expertise in energy-efficient technologies from First Solar</li> </ul>
epreneur with a track record as CEO of ded companies value through innovation and strategic	Janet George*	<ul> <li>Led multi-billion-dollar business units and large-scale acquisitions in AI and data centers.</li> <li>Expertise in AI/ML from Intel</li> </ul>
	Barbara Humpton*	<ul> <li>President and CEO of Siemens USA</li> <li>Expertise in driving innovation across industries like smart infrastructure and energy.</li> </ul>
Doug Mellinger Lead INDEPENDENT DIRECTOR	Jay Leupp	<ul> <li>Extensive experience in asset management, real estate, and finance, with senior roles at Lazard and RBC</li> <li>Expertise in corporate governance and strategic finance</li> </ul>
erience leading in FinTech gthening governance and strategy	Vicki Mealer-Burke	<ul> <li>26 years at Qualcomm, excelling in global business development, product management, and HR</li> </ul>

· Expertise in scaling businesses and inclusivity



DIRECTOR

Μ

# We value our climate, culture, & community



#### Climate

Leveraging sustainable practices to power our data centers

Supporting energy producers by reducing excess power and curtailment

Mitigating methane emissions and recycling data center heat for industrial use

Actively calculating our carbon footprint to guide future environmental efforts



#### Culture

Promoting diversity, inclusion, and belonging in the workplace

Recruiting veterans in our workforce through our partnership with Cohen Partners

Building a positive and inclusive work environment driven by ethical practices

Core values include having a solution mindset, transparency, and constant and never-ending improvement



#### Community

Investing in local communities by creating jobs and contributing to tax revenues

Voluntarily powering down operations to support critical power grid infrastructure

Supporting financial inclusion and economic freedom through Bitcoin

Partnering with schools and nonprofits for community projects

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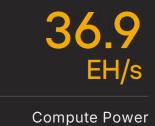
# Appendix

# ■ Setting the pace for the dispatchable compute industry



Market Capitalization





40 EH/S 35 EH/S -25 EH/S -20 EH/S -15 EH/S -10 EH/S -0 EH/S - $\psi^{R^R}$   $\psi^{0^{T}}$   $\psi^{R^{T}}$   $\psi^{R^{T}}$   $\psi^{R^{T}}$   $\psi^{R^{T}}$   $\psi^{R^{T}}$   $\psi^{D^{T}}$ 

COMPUTE POWER (Q3 2024)

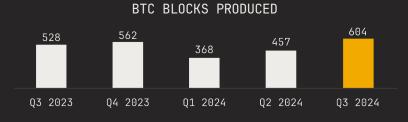


SOURCE: MARKET DATA AND RESEARCH AS PER FACTSET DATA SYSTEMS AND Q2 2024 SEC FILINGS. ACCESSED SEPTEMBER 3, 2024.

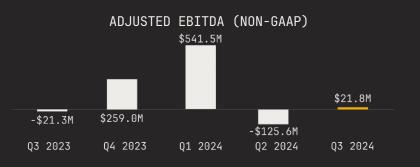
a. CASH AND BITCOIN PER SHARE IS THE SUM TOTAL UNRESTRICTED CASH AND CASH EQUIVALENTS AND UNRESTRICTED BTC DIVIDED BY TOTAL SHARES OUTSTANDING.

b. BITCOIN PER SHARE IS THE SUM OF TOTAL UNRESTRICTED BTC DIVIDED BY TOTAL SHARES OUTSTANDING (IN MILLIONS).

# ■ Quarterly Financials: Q3 2023 to Q3 2024







#### SOURCE: COMPANY DATA

## **Summary Balance Sheet**

\$MILLIONS	SEP 30, 2024	SEP 30, 2023
CASH & CASH EQUIVALENTS	\$164.3	\$101.2
RESTRICTED CASH	12.0	
DIGITAL ASSETS	17.1	286.8
ACCOUNTS RECEIVABLE, NET	2.8	1.2
DEPOSITS	26.2	7.1
DERIVATIVE INSTRUMENT, CURRENT PORTION	6.3	
PREPAID EXPENSES AND OTHER CURRENT ASSETS	16.7	36.3
TOTAL CURRENT ASSETS	239.4	432.6
DIGITAL ASSETS	1,693.1	
TOTAL LONG-TERM ASSETS	3,340.8	951.1
TOTAL ASSETS	3,580.1	1,383.8
ACCOUNTS PAYABLE	\$12.6	\$15.2
TOTAL CURRENT LIABILITIES	59.8	38.2
TOTAL LONG-TERM LIABILITIES	664.8	325.7
TOTAL STOCKHOLDERS' EQUITY	2,855.6	1,019.9
TOTAL LIABILITIES AND EQUITY	3,580.1	1,383.8

## Adjusted EBITDA Reconciliation

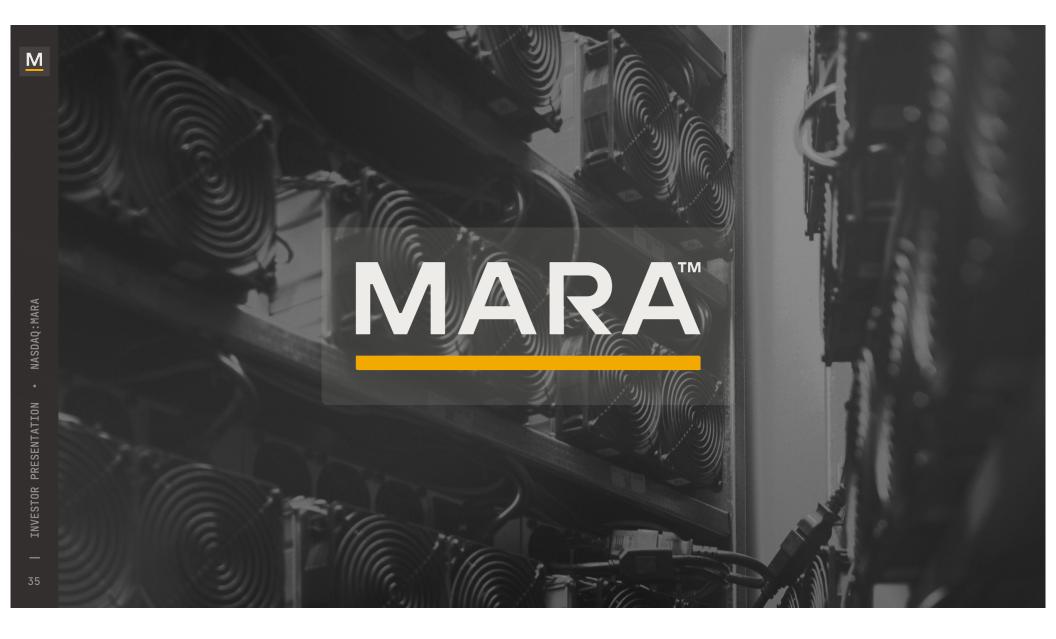
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	Q3 2024	Q2 2024	Q1 2024	Q4 2023	Q3 2023
RECONCILIATION TO ADJUSTED EBITDA					
NET INCOME (LOSS)	(124,798)	(199,659)	337,173	151,826	(390)
INTEREST INCOME	(3,894)	(2,188)	(2,573)	(1,443)	(426)
INTEREST EXPENSE	2,342	1,369	(1,256)	1,214	2,536
INCOME TAX EXPENSE (BENEFIT)	(49,161)	(31,657)	38,051	16,075	73
DEPRECIATION AND AMORTIZATION	104,463	110,815	83,548	72,550	54,032
EBITDA	(71,039)	(121,320)	457,455	240,222	55,825
STOCK COMPENSATION EXPENSE	23,340	28,332	51,913	18,737	5,511
CHANGE IN FAIR VALUE OF DERIVATIVE INSTRUMENT	58,234	(38,251)	15,252		
NET GAIN FROM EXTINGUISHMENT OF DEBT					(82,600)
EARLY TERMINATION EXPENSES AND OTHER	11,304	5,660	22,097		
GAIN ON INVESTMENT			(5,236)		
ADJUSTED EBITDA	21,839	(125,579)	541,481	258,959	(21,264)

NON-GAAP FINANCIAL MEASURES: IN ORDER TO PROVIDE A MORE COMPREHENSIVE UNDERSTANDING OF THE INFORMATION USED BY OUR MANAGEMENT TEAM IN FINANCIAL AND OPERATIONAL DECISION-MAKING, WE SUPPLEMENT OUR CONDENSED CONSOLIDATED FINANCIAL STATEMENTS THAT HAVE BEEN PREPARED IN ACCORDANCE WITH GENERALLY ACCEPTED ACCOUNTING PRINCIPLES IN THE UNITED STATES ("GAAP") WITH THE NON-GAAP FINANCIAL MEASURES OF ADJUSTED EBITDA AND TOTAL MARGIN EXCLUDING DEPRECIATION AND AMORTIZATION.

THE COMPANY DEFINES ADJUSTED EBITDA AS (A) GAAP NET INCOME (LOSS) PLUS (B) ADJUSTMENTS TO ADD BACK THE IMPACTS OF (1) INTEREST INCOME, (2) INTEREST EXPENSE, (3) INCOME TAX EXPENSE (BENEFIT), (4) DEPRECIATION AND AMORTIZATION, AND (5) ADJUSTMENTS FOR NON-CASH AND/OR NON-RECURRING ITEMS WITH CURRENTLY INCLUDE (1) STOCK COMPENSATION EXPENSE, (11) CHANGE IN FAIR VALUE OF DERIVATIVE INSTRUMENT, (111) EARLY TERMINATION EXPENSES AND OTHER AND (IV) NET GAIN FROM EXTINGUISHMENT OF DEBT. THE COMPANY DEFINES TOTAL MARGIN EXCLUDING DEPRECIATION AND AMORTIZATION AS (A) GAAP TOTAL MARGIN LESS (B) DEPRECIATION AND AMORTIZATION.

MANAGEMENT USES ADJUSTED EBITDA AND TOTAL MARGIN EXCLUDING DEPRECIATION AND AMORTIZATION, ALONG WITH THE SUPPLEMENTAL INFORMATION PROVIDED HEREIN, AS A MEANS OF UNDERSTANDING, MANAGIN EXCLUDING DEPRECIATION BUSINESS PERFORMANCE AND TO HELP INFORM OPERATING DECISION-MAKING. THE COMPANY RELIES PRIMARILY ON ITS CONDENSED CONSOLIDATED FINANCIAL STATEMENTS TO UNDERSTAND, MANAGE, AND EVALUATE ITS FINANCIAL PERFORMANCE AND USES NON-GAAP FINANCIAL MEASURES ONLY SUPPLEMENTALLY.

WE BELIEVE THAT ADJUSTED EBITDA AND TOTAL MARGIN EXCLUDING DEPRECIATION AND AMORTIZATION ARE USEFUL MEASURES TO US AND TO OUR INVESTORS BECAUSE THEY EXCLUDE CERTAIN FINANCIAL, CAPITAL STRUCTURE, AND NON-CASH ITEMS THAT WE DO NOT BELIEVE DIRECTLY REFLECT OUR CORE OPERATIONS AND MAY NOT BE INDICATIVE OF OUR RECURRING OPERATIONS, IN PART BECAUSE THEY MAY VARY WIDELY ACROSS TIME AND WITHIN OUR INDUSTRY INDEPENDENT OF THE PERFORMANCE OF OUR CORE OPERATIONS. WE BELIEVE THAT EXCLUDING THESS INTO MORE EFFECTIVELY EVALUATE OUR PERFORMANCE PERIOD-OVER-PERIOD AND RELATIVE TO OUR COMPETITORS. ADJUSTED EBITDA AND TOTAL MARGIN EXCLUDING DEPRECIATION AND AMORTIZATION MAY NOT BE COMPARABLE TO SIMILARLY TILED MEASURES PROVIDED BY OTHER COMPANIES DUE TO POTENTIAL DIFFERENCES IN METHODS.



# ▲ References

- 1. MELLERUD, JARAN. "BITCOIN MINING AROUND THE WORLD: UNITED ARAB EMIRATES." HASHRATE INDEX, JULY 7, 2023. HTTPS://TINYURL.COM/253CTPVN.
- IBID.
- 3. IBID.
- 4. "MARATHON DIGITAL HOLDINGS AND ZERO TWO TO DEVELOP AND OPERATE THE FIRST LARGE-SCALE IMMERSION BITCOIN MINING FACILITIES IN ABU DHABI." MARA, MAY 9, 2023. HTTPS://TINYURL.COM/2VDCWRC7.
- 5. IBID.
- 6. CARTER, ASHLEY. "E-MOBILIZATION AND RENEWABLE ENERGY IN KENYA, WITH DANIEL NGUMY CLIMATE BREAK." CLIMATE BREAK . ACCESSED JUNE 27, 2024. HTtps://TINYURL.COM/27XYK59M.
- 7. "MARATHON DIGITAL HOLDINGS ENTERS INTO AGREEMENT WITH THE MINISTRY OF ENERGY AND PETROLEUM OF THE REPUBLIC OF KENYA TO ENHANCE KENYA'S ENERGY SECTOR." MARA, MAY 24, 2024. HTTPS://TINYUR.COM/AD2TV/8MC.
- 8. "MARA GRANBURY: ADVANCED DATA CENTER & COMMUNITY ENGAGEMENT." MARA GRANBURY: ADVANCED DATA CENTER & COMMUNITY ENGAGEMENT. ACCESSED NOVEMBER 9, 2024, https://www.maragranbury.com/.
- "MARATHON INVESTS \$150 MILLION IN BITCOIN." MARA, JANUARY 25, 2021. <u>HTTPS://TINYURL.COM/2B6A9YM9</u>
- 10. "MARA PURCHASES \$100 MILLION OF BITCOIN." MARA, JULY 25, 2024. HTTPS://TINYURL.COM/2AKNWB7T
- 11. "MARATHON DIGITAL HOLDINGS, INC. COMPLETES \$300 MILLION OFFERING OF 2.125% CONVERTIBLE SENIOR NOTES DUE 2031, PURCHASES \$249 MILLION OF BITCOIN." MARA, AUGUST 14, 2024. HTtps://TINYURL.COM/24H3YXXB
- 12. "MARA: LARGEST BITCOIN MINER ON WALL STREET UNLOCKS \$200M BTC-BACKED CREDIT LINE." FINANCE MAGNATES, OCTOBER 16, 2024. HTtps://TINYURL.COM/33TTURUE
- 13. "HEAT IS THE GREATEST CHALLENGE IN TACKLING CLIMATE CHANGE." WORLD ECONOMIC FORUM. ACCESSED APRIL 25, 2024. HTTPS://TINYURL.COM/SEW/7RHBK.
- 14. A SINGLE MICROBT WHATSMINER M63S IS RATED 7215 WATTS. TO CONVERT FROM WATTS TO BTUS, MULTIPLY WATTS BY 3.412141633. 7215 WATTS X 3.412141633 = 24,619 BTUS/HR
- 15. CASTLE, TYLER. "HOW MUCH ELECTRICITY DOES A SPACE HEATER USE? [COST & MORE]." SANTANNA ENERGY SERVICES. ACCESSED JUNE 17, 2024. HTTPS://TINYURL.COM/28X1V4HJ
- 16. "MARA ANNOUNCES 25-MEGAWATT MICRO DATA CENTER PROJECT POWERED BY EXCESS NATURAL GAS FROM OILFIELDS." MARA, OCTOBER 8, 2024. <u>HTTPS://TINYURL.COM/YEADSSRW</u>.
- WORLD BANK GROUP. "2023 GLOBAL GAS FLARING TRACKER REPORT." WORLD BANK, MAY 19, 2023. <u>https://tinyurl.com/3993xHxD</u>.
- 18. CAPRIGLIONE ET AL. "TEXAS H.B. 591." TLO. ACCESSED JULY 15, 2024. <u>HTTPS://TINYURL.COM/42EAR4RF</u>.
- "ACHIEVE LOWER DATA CENTER PUE." MITSUBISHI ELECTRIC, CRITICAL POWER SOLUTIONS. ACCESSED AUGUST 19, 2024. <u>HTTPS://TINYURL.COM/TZADYMN5</u>.
- 20. "IMMERSION COOLING MARKET SIZE & SHARE, BY TYPE (SINGLE PHASE, DIRECT-TO-CHIP), APPLICATION (HIGH-PERFORMANCE COMPUTING, EDGE COMPUTING, CRYPTOCURRENCY MINING, ARTIFICIAL INTELLIGENCE), COMPONENTS (SOLUTIONS, SERVICES), COOLING FLUID (MINERAL OIL, SYNTHETIC FLUIDS, FLUOROCARBON-BASED FLUIDS) GLOBAL SUPPLY & DEMAND ANALYSIS, GROWTH FORECASTS, STATISTICS REPORT 2025-2037." RESEARCH NESTER, OCTOBER 14, 2024. https://tinvuol.com/asszw.ts.
- 21. "2PIC BY MARA: REVOLUTIONIZE YOUR DATA CENTER COOLING." 2PIC BY MARA | REVOLUTIONIZE YOUR DATA CENTER COOLING. ACCESSED JULY 31. 2024. HTTPS://TINYURL.COM/4PEDHETV.
- 22. "EDGE COMPUTING: MARA'S TWO-PHASE IMMERSION TECH FOR AI AND BEYOND." YOUTUBE, MAY 31, 2024. HTTPS://TINYURL.COM/YC8ZBNPY.