ARRAY

FINANCIAL PROJECTIONS

FOR THE IMPLEMENTATION OF:

A COMPUTE-IN-MEMORY ARITHMETIC CORE WITH
+85% EFFICIENCY AND THROUGHPUT GAINS
USING STANDARD CMOS TECHNOLOGY

www.fastarithmeticunits-dataroom.com

[ARRAY ARCHITECTURE, CORP.]

Our primary go-to-market strategy is to leverage our foundational IP to co-design, manufacture, and operate a new generation of highly efficient Bitcoin Mining ASICs, creating a dominant position in the market through strategic partnerships.

As a built-in, passive fallback, we have a clear path to monetization through licensing our proprietary arithmetic core to established AI, Computer Graphics, Cryptography, and Digital Signal Processing chip manufacturers, ensuring value capture in the high-performance processor market with minimal additional investment.

The license fee may vary depending on the scope of each licensee and the time of entry and can be different on a case by case scenario.

Index

Revenue

The verified and patented prototype design will be licensed to design firms and foundries, generating revenue in the form of **Upfront Licensing Fees ($5 million USD per year), plus In-Kind Royalties (1-3% of ASICs manufactured with our IP).** This is justifiable because our chips will remain profitable during price dips, our customers will survive bear markets competitors won't, and we will control the mining efficiency curve for years. First revenues are **allocated towards Bitcoin Mining facilities.**

Our financial projections consider running costs for our team, infrastructure setup, and operating expenses for mining farms. We make conservative revenue and proift projections considering the acquisition of only three licensees manufacturing at below-average production levels. There is a high probability that a single licensee could manufacture what we are projecting for three licensees. We estimate an **annual revenue of $210 Million USD with $165 Million USD in profits operating just 30k CIM mining ASICs** through our hybrid licensing/mining revenue model under a conservative scenario, considering the following variables:

- **License Fee:**
  - *Licenses Placed:* **3 Licenses**
  - *Non-Exclusive Right-of-Use License:* **$5 Million USD per Year** (upfront fee).
  - *Minimum Contract Period:* **5 Years**

- **Royalties:** Close to 80% of our projected revenue will come in the form of Bitcoin mined with ASICs we will receive as in-kind royalties from licensed manufacturers.
  - *Assuming a **40% increase in time and energy efficiency** over state-of-the-art ASICs.*
  - *Average **ASIC Production** per License per Year:* **100,000 ASICs**
  - *In-Kind Royalties per License per Year:* **2.5% = 2,500 ASICs**
  - ***Total royalties** from three five-year licenses:* **30k ASICs**
  - ***Annual Bitcoins** generated by 30k CIM mining ASICs:* **2,100 Bitcoins**
  - *Bitcoin Conversion Rate:* $100,000 USD per Bitcoin
  - **Annual Revenue** Generated by 30k CIM mining ASICs: **$210 Million USD**

Yearly Breakdown

- **Year 1-2:** Although we are ready to start licensing as of now, **every de-risking step will significantly increase the IP valtuation.** The next two years are about further de-risking the technology at a physical level and creating the licensable asset (GDSII tape-out ready Stream File), with a **pre-seed investment of $6.6 MIllion USD.** Our cash burn-rate will be primarily driven by the engineering team's salaries, signing bonuses, tools, and resources. This investment is divided into two stages:
    - The first stage takes **6 months** and requires a capital investment of **$500k USD to validate and benchmark key parameters** of the arithmetic core.
    - The second stage, lasting **10 months,** requires a capital investment of the remaining **$6.1 Million USD to prototype a Compute-In-Memory Hash Engine.** Our goal is to deliver **GDSII files within 16 months.**

- **Year 3:** We expect to sign our first licensee within 24 months (beginning of the third year) of receiving the pre-seed investment, at the latest. This will generate an expected **capitalization of $25 Million USD in upfront payment,** from a single five-year contract.
    - During this period the wafers are manufactured, cut into individual dies, tested and then sent to packaging and assembly.
    - We simultaneaously commence setting up infrastructure for a **Mining Farm with capacity to hold 6,000 ASICs.** This requires an investment of about $20 Million USD, plus running costs equal to $3 Million USD.

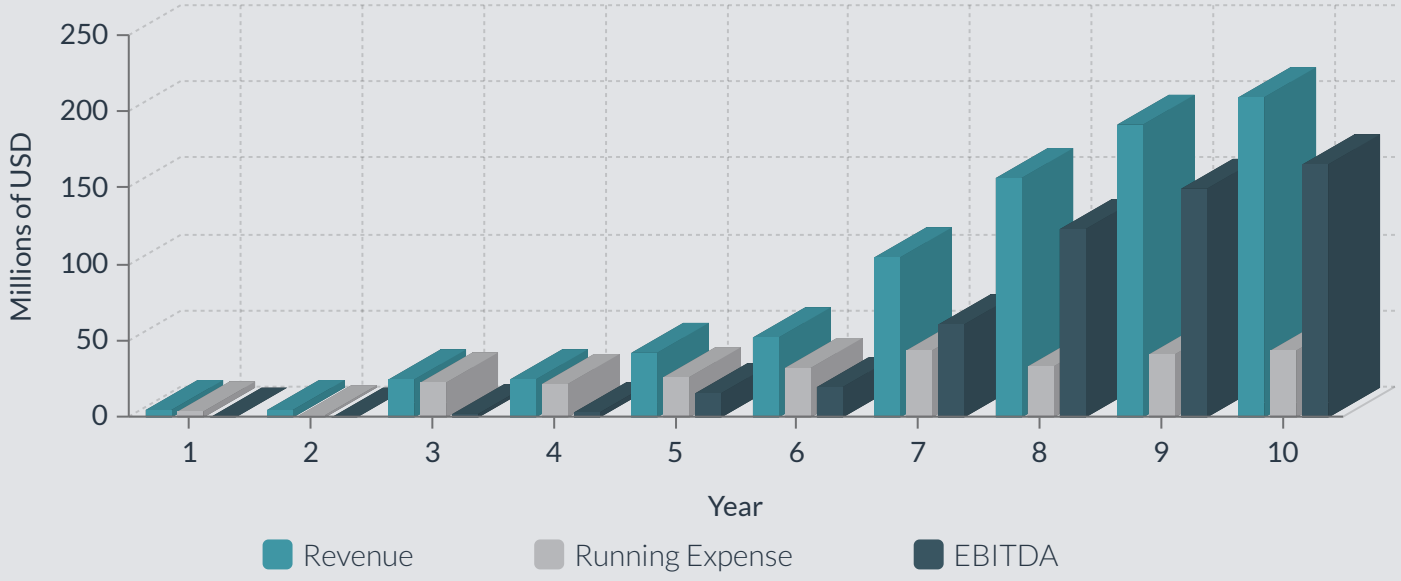
- **Year 4:** The manufacturer of ASICs will take another year to perform tests, and final packaging before delivery can be initiated. During this year we can expect to complete the infrastructure for our first mining farm. We expect to obtain a second licensee, which would again represent a **$25 Million USD revenue.** We commence a second mining farm of the same capacity, leaving an **EBITDA of ~$2 Million USD** for a second year.

- **Year 5:** On the fifth year we receive our first batch of 2,500 mining ASICs that will generate close to **175 Bitcoins in revenue.** Licensing to a third client this year would represent **another capitalization of $25 Million USD.** Our expenses will remain the same as years 3 and 4, leaving an **estimated EBITDA of $16 Million USD.**

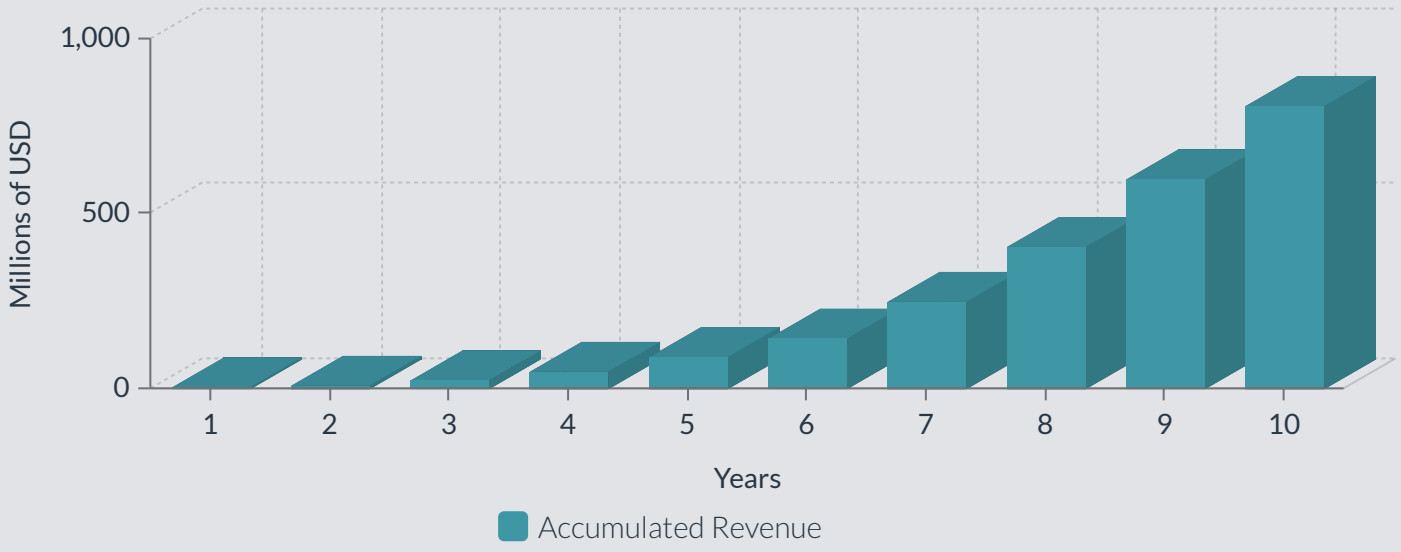
- **Year 6-10:** We continue to scale our mining operation. On the sixth year we would recieve a second batch from our first licensee and the first batch from our second licensee. On the seventh year we would receive one batch from each licensee. By the tenth year we would have received **a total of 30k mining ASICs** from all three licensees. This amount of ASICs will generate a **revenue estimated at $210 Million USD with an EBITDA of $165 Million USD.**

Visualization

We estimate an **annual revenue of $210 Million USD and $165 Million USD EBITDA** operating just 30k CIM mining ASICs through our hybrid licensing/mining revenue model under a conservative scenario.



There is a high probability of exceeding **$1 Billion USD in revenue within the first 10 commercial years** under a realistic scenario.



THANK **YOU!**

www.fastarithmeticunits-dataroom.com

Juan Pablo Ramirez

Architect, Project Manager & CEO

jramirez@binaryprojx.com

Pablo César Vázquez Estrella

Chief Financial Officer

pablo.vazquez@binaryprojx.com