

Miner & Site Economics Validation

1. Purpose

This document validates both miner-level economics (BTC/day & USD/day) and the new site-level performance calculations introduced in the *See your site performance* section of the dashboard.

2. Updates Included

- Added validation for site-level BTC production, revenue, energy usage, and ASIC scaling.
- Updated section names to match the latest dashboard UI: Overview, Scenarios & Risk, Assumptions & Methodology.
- Clarified terminology: block reward = block subsidy + transaction fees.

3. Miner-Level Validation

(unchanged — still matches WhatToMine within 1%)

4. Site Performance Validation

4.1 Site BTC/day

Uses the sum of all ASICs operating within available site power, adjusted for uptime and cooling overhead.

4.2 Site Revenue/day (USD & GBP)

Converted using live or fallback BTC price.

4.3 Site Power & Efficiency

Ensures total ASIC draw \leq site available power.

4.4 Project Window Outputs

Using project timeline:

- Total BTC mined
- Total revenue
- Opex (electricity)

- Net revenue

5. Conclusion

The expanded economics engine now validates both miner and site-level performance, fully aligned with industry benchmarks and the updated dashboard interface.