# Elysium Management Company

## 1. Executive Summary

Elysium Management Company (EMC) operates a unified, real-world ecosystem across five categories: Aviation, Marine, Automotive, Real Estate, and Renewable Energy. We run these businesses through operating subsidiaries and joint ventures, aligning day-to-day services with a common digital utility.

**What EMC runs today.** We deliver and service real products already in market, creating repeat demand for parts, maintenance, overhauls, and after-care—so customer interactions don't end at purchase.

**How the EMC token fits operationally.** The EMC utility token is live in our model as the connective tissue across categories, used to:

- **Drive sales (B2C & B2B):** on-chain checkout, tokenized promotions, and compliant deposits/pre-orders that convert interest into revenue events.
- **Increase usage:** rewards tied to verifiable service consumption (e.g., booked hours, berths, stays, service appointments, energy services).
- **Deepen customer relationships (CRM):** tiers, perks, and after-sales benefits linked to actual activity, turning service history into loyalty.
- **Streamline partner operations (B2B):** supplier/JV settlements, programmatic volume rebates, and milestone escrows that align delivery with cash flow.

**Why this matters.** A single, programmable utility reduces settlement friction and unifies incentives across our five categories, standardizing how customers pay and earn, and how partners get rewarded for performance.

**Compliance stance.** EMC is a utility token for ecosystem usage (not equity or profit rights). All token sales and usage observe applicable KYC/AML and jurisdictional requirements.

## 2. Problem and Solution

**The problem.** Operating across aviation, marine, automotive, real estate, and renewable energy means fragmented checkouts, promotions, loyalty, and B2B rebates, especially cross-border, where payment frictions and fees remain high. For example, average global remittance costs still hover around ~6% (banks far higher), underscoring the value of lower-friction, digital rails. (Remittance Prices+1)

**Our solution.** The EMC utility token standardizes how customers (B2C) and partners (B2B) pay, earn, and settle—connecting purchase, after-sales usage, and rewards across all five categories. Smart-contract escrows tie payouts to objective milestones (reducing disputes and aligning cash flow with delivery), while loyalty mechanics convert verified usage into retention and repeat spending. (NBER+2GSMA+2)

**Why does it work.**

- **Lower-friction digital rails:** Digital-only providers and mobile money corridors demonstrate materially lower cross-border costs vs. traditional rails, evidence that programmable, interoperable rails improve economics for users and partners. (Remittance Prices+1)
- **Loyalty drives revenue:** Data-driven personalization/loyalty typically lifts revenue 5–15% and boosts ROI, turning service history into measurable LTV. (McKinsey & Company+1)
- **Category fit:** Aviation/MRO growth and sizable automotive aftermarkets reinforce the importance of after-sales and service retention, prime ground for usage-linked rewards.

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### Token Utility & Mechanics

**1) Payments & Access (B2C + B2B).**
Customers pay for eligible services in EMC (e.g., bookings, service appointments), while partners accept EMC for settlements and volume incentives. Cross-border contexts benefit most where legacy fees/time are highest; digital rails show structurally lower cost profiles.

**2) Usage-Based Rewards (loyalty).**
Verified consumption (e.g., flight hours, marina berths, maintenance visits, stays, energy services) earns programmatic rewards and tier benefits. Personalization at scale typically delivers 5–15% revenue lift, our CRM ties these gains directly to on-chain activity signals. (McKinsey & Company)

**3) Stake-for-Utility (non-custodial).**
Members lock EMC for defined periods to unlock discounts, priority windows, or enhanced earning rates, purely for utility (no equity/profit rights implied).

**4) Programmable B2B Rebates.**
Suppliers/JV partners earn on-chain rebates weighted by volume and SLA performance, replacing manual reconciliations with auditable logic. (Smart-contract frameworks increase observability and reduce verification costs.) (NBER)

**5) Milestone Escrow.**
Escrow modules hold funds and auto-release on objectively verified milestones, improving trust and reducing disputes in pre-sales/builds, reusable across projects rather than bespoke each time. (securedtrustescrow.com+1)

**6) Compliance rails (built-in).**
KYC/AML at sale and usage touchpoints; Travel Rule for VASP-to-VASP transfers where applicable; EU MiCA timelines considered for EU operations (stablecoin provisions live June 2024; broader CASP/issuer rules Dec 2024). We align disclosures and processes accordingly. (Squire Patton Boggs+3FATF+3FATF+3)

**7) Strategic context.**
Tokenization of real-world/financial assets is projected by Citi to reach ~$4T by 2030—reinforcing our decision to build programmable utility that can interoperate with emerging on-chain markets as they mature.(Citigroup)

## 3. Business Value by Categories

### Aviation

- **B2C (sales & usage):** Customers pay for flight training, maintenance/MRO, upgrades, and charter with EMC; verified hours and service visits earn tiered rewards and perks (after-sales parts, tools, overhauls). Your doc emphasizes that products are already in use and create recurring aftercare demand.
- **B2B (partner alignment):** JV/OEM partners and flight schools settle rebates and SLAs programmatically; milestone escrows align payouts to objective delivery checkpoints.
- **Operating context (from doc):** Three LSA manufacturers feed models to the Mooney range with FAA/EASA certification targets; Mooney TX hub; Evolution Aircraft; a roll-up of flight schools serving ~600 Indian students.
- **External fact:** Commercial fleets and the MRO market are expanding over the decade (global fleet +28% by 2034), supporting sustained after-sales activity and loyalty economics. (Oliver Wyman)

**Marine**

- **B2C:** EMC used for charter bookings and marina services; usage triggers rewards (e.g., nights/berths).
- **B2B:** Shipyard/JV payments and supplier rebates flow through milestone escrows and quarterly incentives.
- **Operating context:** Two **41m** yachts are chartering in the South of France at **~€175k/week each**; Antalya shipyard JV; new 40m SWATH design; 120m hull purchase + completion project in Rome area.
- **External fact:** The superyacht order book remains robust (BOAT International's Global Order Book, 177 shipyards tracked), indicating durable demand for premium builds/charters. (yachtstyle.co)

**Automotive**

- **B2C:** Customers use EMC for vehicle deposits, service, and parts; verified maintenance/upgrade events unlock higher tiers and after-sales benefits, converting service history into retention.
- **B2B:** OEMs/suppliers accrue volume-weighted on-chain rebates; distributors settle faster with transparent terms.
- **Operating context:** Hi-Tec Automotive (Port Elizabeth) produces performance vehicles and adds an EV line; associated marine factory output supports cross-category synergies.
- **External fact:** The U.S. automotive aftermarket grew **8.6% in 2023**, highlighting the scale/leverage of after-sales programs that EMC's usage-based rewards can tap. (mema.org)


## Real Estate

- **B2C:** Tokenized checkout for hospitality stays and selected deposits; loyalty ties visits/spend to benefits across other categories.
- **B2B: Milestone escrow** for contractors and JV partners (site works → shell/core → MEP → handover) reduces disputes and aligns cash flow with verified progress.
- **Operating context:** Off-plan sales strategy (e.g., Daytona Beach condo + marina) supports pre-construction cash flow and complements escrowed releases.
- **External fact:** Milestone-based escrow structures help reduce payment delays and litigation risk when release criteria are objective and verifiable. (Attorney Aaron Hall)

## Renewable Energy

- **B2C/B2B:** EMC can settle for energy services where applicable and reward verified consumption or uptime; partner rebates align EPC/O&M performance with payouts.
- **Operating context:** EMC's collaborations span **renewable energies such as biofuels** and the use of mined inputs (e.g., silica sand) toward PV and syngas initiatives.

- **External facts:** IEA projects continued acceleration in renewable capacity this decade; global **clean-energy investment** is estimated at **~$2T in 2024**, underscoring ecosystem momentum for tokenized utility models. (IEA+1)

## 4. Economics and Distribution

**Token role.** EMC is a **utility token** used across our five operating categories (aviation, marine, automotive, real estate, renewable energy) for payments, loyalty, access, and B2B incentives. It does **not** represent equity, profit rights, or corporate governance.

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**Supply & Structure**

- **Total supply (fixed): 440,000,000,000 EMC**
- **Released at launch: 220,000,000,000 EMC** *(allocated across sale/utility buckets; some subject to vesting)*
- **Reserve (treasury): 220,000,000,000 EMC** *(policy-bound, multisig control, multi-year)*

**Definitions:** "**Released**" = allocated at launch (some vesting). "**Circulating**" = unlocked and transferable at a given time (e.g., at TGE).

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**Distribution at Launch (recast to honor 220B released / 220B reserve)**

**Released at launch: 220B EMC (50% of total)**

- **Public Sale — 15% (66.0B)**
  Vesting: **10% at TGE**, **90% linear over 6 months**
- **Strategic / Private — 10% (44.0B)**
  Vesting: **3-month cliff**, **18-month linear**

- **Ecosystem Rewards ("usage mining") — 15% (66.0B)**
  Emissions tied to **verified consumption** (flight hours, berths, service visits, stays/leases, eligible energy services); publish annual emission ceilings
- **Team & Advisors — 8% (35.2B)**
  Vesting: **12-month cliff**, **24-month linear**
- **Liquidity & Market Making — 2% (8.8B)**
  TGE provisioning; LP tokens time-locked where practical

**Reserve (Treasury): 220B EMC (50% of total)**

- **Purpose:** ecosystem growth, merchant incentives, partner enablement, listings/liquidity programs, audits/security, compliance, and long-tail emissions
- **Controls:** multisig custody, role segregation, quarterly transparency (supply, unlocks, treasury movements, reward emissions)

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**Initial Float at TGE (clarified)**

- **Public Sale TGE unlock: 6.6B** (10% of 66.0B)
- **Liquidity/MM: 8.8B**
- **Optional ecosystem seeding: ~1–3B** for immediate utility (if enabled)

**Result:** Starting float ≈ **15.4B EMC** (without seeding) or **~16.4–18.4B EMC** (with seeding), i.e., **~3.5–4.2% of total supply**, **not** the full 220B released.

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**Pricing & Commitments Alignment**

- Committed capital at launch: $2.5B already reserved (allocations/commitments).
- Feasibility math (minimum average token price to satisfy $2.5B):
  - Presale commitments; **$2.5B**
  - Presale Release Total; **$10B**
  - Total ICO Release; **$220B EMC**
  - Total Reserve; **$220B EMC**
  - ICO Price; **$0.50**

We set public/strategic pricing and tranche sizes at or above the required average price while preserving healthy post-TGE liquidity and vesting discipline. Replace any prior "hard cap" or placeholder price with this **allocations & pricing** framework tied to actual commitments.

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**Utility Alignment (sales, usage, customer relationships, B2B)**

- **Sales (B2C & B2B):** On-chain checkout, tokenized promotions, and compliant deposits/pre-orders convert interest into recorded revenue events across categories.

- **Usage:** Rewards accrue for **verified activity** (booked flight hours, marina nights/berths, service visits, stays/leases, energy services), amplifying repeat usage and after-sales pull-through.
- **Customer relationships:** Cross-category tiers/perks and after-care benefits turn service history into measurable retention and LTV.
- **B2B alignment:** Partners/JVs receive programmatic rebates and milestone escrows that tie delivery and SLA performance to cash flow, uniformly across regions and categories.

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**Treasury Safeguards & Transparency**

- **Custody & controls:** multisig, least-privilege roles, timelocks on sensitive actions
- **Security:** two independent audits pre-TGE; continuous monitoring post-deploy
- **Reporting:** quarterly transparency on supply, unlocks, emissions, and treasury movements
- **Policy options:** buyback/burn mechanics funded by on-chain fees (subject to counsel)

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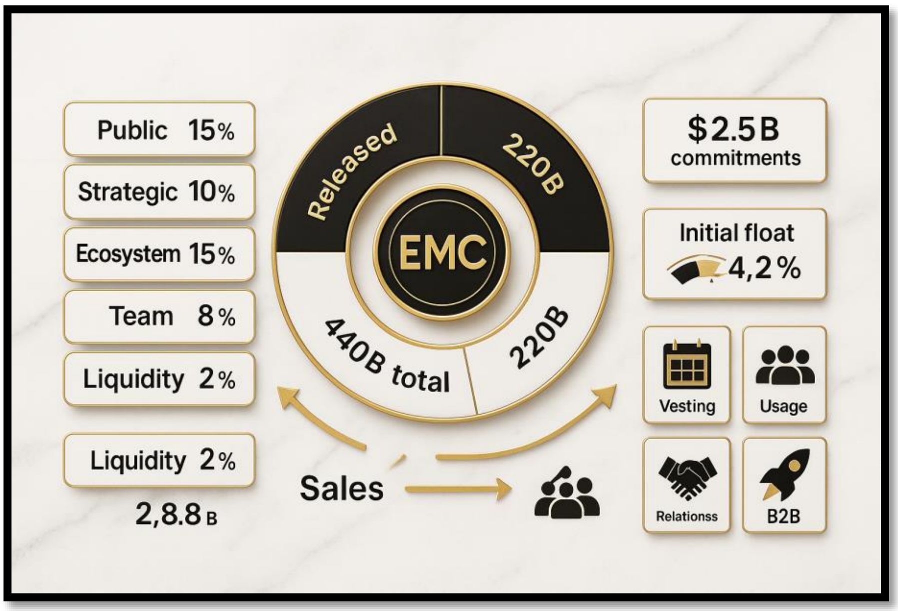
**Listing & Liquidity Posture**

- **Venues:** Tier-1/2 centralized exchanges and major DEX on the chosen L2
- **Liquidity programs:** conducted within market-abuse and fair-dealing policies; clear disclosures on incentives and lockups

**Summary:** Token economics now strictly reflect **440B total**, **220B released**, **220B reserve**, and **$2.5B** in launch commitments, while ensuring a prudent initial float, aligned vesting, and a utility-first distribution that directly supports **sales, usage, customer relationships, and B2B** operations.




## 6. Compliance and Legal Disclosure

**Token classification.** The EMC token is a **utility token** used for payments, loyalty, access, and B2B incentives across our five categories. It **does not** confer equity, profit-sharing, dividends, or corporate governance rights. Usage benefits are tied to verifiable activity (e.g., service visits, bookings) and after-sales programs already present in the business.

**KYC/AML & sanctions.** We onboard purchasers and certain users with **KYC/AML** checks, screen against sanctions, and keep records consistent with global standards for virtual assets. We implement the **FATF "Travel Rule" (Recommendation 16)** for VASP↔VASP transfers (originator/beneficiary info), guided by FATF's updated 2021 and 2023 materials.

**U.S. treatment (informational).** To the extent activities implicate money transmission, we evaluate **FinCEN** requirements for MSBs dealing in convertible virtual currency (CVC) and Travel Rule obligations applicable to such transmissions.

**EU posture (MiCA).** For EU customers/partners, we align operations with **MiCA**. Key dates: stablecoin provisions (Titles III & IV) apply **30 Jun 2024**; the broader framework (CASP authorization and other titles) applies **30 Dec 2024**. We structure disclosures, custody, and offer mechanics to fit this timeline and the relevant NCA guidance.

**Sales & eligibility.** Token sales obey applicable jurisdictional rules (e.g., offering restrictions, consumer disclosures). Purchases may include **vesting**, **lockups**, and **limitations** to maintain utility alignment and market integrity. Eligibility excludes sanctioned and other restricted jurisdictions/persons.

**Real-estate deposits & off-plan sales.** Where EMC is used for **deposits/pre-sales** (e.g., off-plan units), funds are handled via **milestone escrow** with objective release criteria under local law/regulation; disclosures specify refundability and risk.

**Consumer protection.** We publish clear terms on eligibility, refunds (where applicable), custody, fees, and risks. Marketing avoids promises of profit or price appreciation and emphasizes **utility** and **usage-linked benefits** only.

**Data protection & privacy.** KYC/AML data and on-chain/off-chain linkage are handled under applicable privacy regimes; we minimize data sharing and use signed attestations to verify usage while limiting PII on public chains.

**Risk disclosures.** Digital assets carry **market, technology, regulatory, and counterparty** risks. We disclose these prominently (e.g., smart-contract failure, oracle issues, listing/liquidity risk, regulatory changes) and operate with audits, multisig controls, incident runbooks, and transparency reporting.

## 7. Roadmap and KPIs

**Roadmap (12–24 months)**

**Phase 1: Foundations (Months 0–3)**

- Stand up L2 contracts (token, rewards, stake-for-utility, B2B rebates, milestone escrow); complete dual audits; activate multisig/treasury ops.
- Launch merchant pilots in our five categories (aviation, marine, automotive, real estate, renewable energy) for EMC payments and rewards.
- Configure CRM + POS/ERP attestations so usage (flight hours, berths, service visits, stays/leases, energy services) triggers rewards across categories.

**Phase 2: Utility in the wild (Months 3–9)**

- Expand B2C acceptance (training/MRO, marina services, automotive service & parts, hospitality/leases) and roll out cross-category tiers/perks.
- Turn on **milestone escrow** where relevant (e.g., real-estate deposits and staged contractor payouts; off-plan property flows already contemplated in our ops).
- Begin B2B programs with suppliers/JV partners: programmatic volume rebates and SLA-weighted incentives (quarterly).

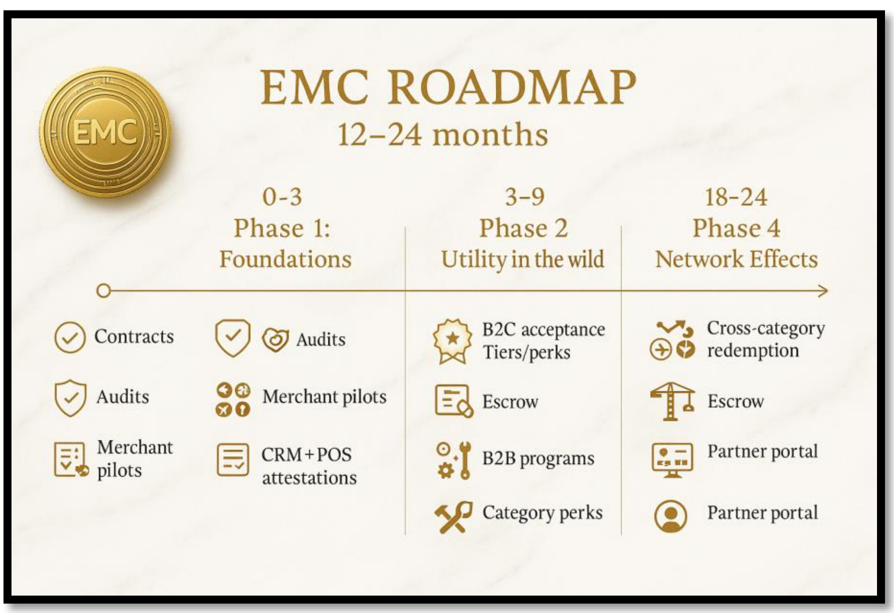
**Phase 3: Scale (Months 9–18)**

- Add more venues/partners per category; standardize cross-border settlement playbooks.
- Publish quarterly transparency: supply unlocks, treasury movements, reward emissions, merchant uptake.
- Introduce category-specific perks: e.g., aviation tool/parts bundles and MRO credits; marina berth priority rules; automotive maintenance bundles.

**Phase 4: Network effects (Months 18–24)**

- Cross-category redemptions become default (earn in one category, redeem in another).
- Expand escrow use to additional build programs where objective milestones are available.
- Release self-serve partner portal for B2B rebates, invoice netting, and reporting.

Operational context informing this roadmap: we already emphasize products-in-use and after-sales/overhauls, and we already plan off-plan property sales for cash-flow and construction pacing—these are exactly the flows the token rails standardize.




**KPIs, we track from day one.**

**<u>Sales</u>**

- Share of network revenue settled in EMC (by category and venue).
- Conversion uplift from tokenized promos/deposits vs. baseline.

- Value of **launch-reserved allocations** drawn down vs. plan (note: user-set figure of **$2.5B reserved** at launch).

**Usage**

- Verified activity earning rewards: flight hours, marina nights/berths, automotive service visits & parts, stays/leases, energy service usage.
- Cross-category usage (earn in X, redeem in Y).

**Customer Relationships**

- Tier progression, repeat rate, and LTV delta for EMC users vs. non-EMC users.
- After-sales capture (repairs, parts, overhauls) per active user.

**B2B & Partner Health**

- Partner/JV acceptance rate; rebate utilization; on-time milestone releases.
- SLA performance improvements tied to on-chain incentives.

**Network & Risk**

- Avg. settlement time & cost vs. legacy rails (esp. cross-border).
- Contract/event failure rate, incident MTTR; audit issues closed.
- Treasury runway and unlock schedule adherence.

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**Tokenomics**

- **Total supply:** 440,000,000,000 EMC.
- **Released at launch:** 220,000,000,000 EMC (in circulation/vesting buckets).
- **Treasury reserve:** 220,000,000,000 EMC (policy-bound, multi-year).
- **Launch-reserved allocations: $2.5B** already reserved (allocated commitments to be reflected in the cap table & vesting schedules).

## 7. Risk Factors

Our operations and token program involve risks. Many are common to multi-jurisdiction real-world projects; others are specific to our categories (aviation, marine, automotive, real estate, renewable energy) and to using a utility token.

**Regulatory & Compliance Risk**

Rules for digital assets and payments continue to evolve across jurisdictions. Licensing, consumer-protection, KYC/AML, data-handling, and travel-rule obligations can change in ways that affect token distribution, usage, listings, and cross-border settlement. We mitigate with compliance-first structuring and disclosures, but residual risk remains.

**Market & Liquidity Risk**

Digital assets are volatile. Secondary-market conditions, exchange availability, and liquidity programs can affect EMC price and tradability independent of our operating performance.

**Technology & Security Risk**

Smart-contract defects, oracle/data failures, custody/key-management issues, or exploit attempts could disrupt rewards, escrows, or treasury operations. Audits, multisig controls, staged rollouts, and monitoring reduce, but do not eliminate, this risk.

**Counterparty & JV Risk**

Our model relies on multiple partners and joint ventures across categories and regions. Non-performance, disputes, or changes in partner strategy can impair execution even when demand exists. (Your document emphasizes numerous collaborations/JVs across aviation, marine, automotive, real estate, and renewable energies.)

**Construction & Development Risk**

Long-cycle projects (airports, vessels, property developments) carry permitting, procurement, contractor, and cost-overrun risks. Timelines may shift (e.g., a 6-year airport build plan in India; a 120m vessel with ~24-month completion). Off-plan property sales and other deposits require careful milestone control and local compliance.

**After-sales & Service Capacity Risk**

Our advantage includes products already in use, driving recurring parts, maintenance, repairs, and overhauls, but growth depends on scaling service capacity, tooling, and logistics. Shortfalls can reduce customer satisfaction and loyalty accrual.

**Supply-chain & Certification Risk (aviation, marine, automotive)**

OEM lines, shipyard programs, and aircraft certification depend on specialized suppliers, skilled labor, and regulators. Delays or shortages (e.g., engines, avionics, composites) can affect delivery schedules and token-linked utility timelines. (Your doc notes LSA manufacturers feeding Mooney models and work with Williams engines toward FAA/EASA certification.)

**Mining, Refining & Environmental Risk**

U.S. mineral projects (coal, silica sand, gas/oil), a manganese refinery in South Africa, and related logistics entail environmental, safety, and permitting risks that can delay or constrain operations or increase costs.

**Real Estate & Escrow Risk**

For deposits/pre-sales (e.g., off-plan units), refundability, escrow triggers, and construction milestones must be clearly defined and legally enforceable in each jurisdiction. Any slippage in documentation, inspections, or compliance can produce disputes or cash-flow strain.

**Charter & Marina Demand Risk (marine)**

Superyacht charter rates and marina utilization can fluctuate with macro conditions and seasonality, impacting revenue available for loyalty rewards or partner rebates

**Education/Training throughput risk (aviation)**

Scaling flight-school throughput (e.g., ~600 international students) depends on instructor supply, aircraft availability, and regulatory approvals; shortfalls can affect projected usage and reward accrual.

**FX, Macro & Geopolitical Risk**

Multi-currency operations across several continents introduce foreign-exchange volatility, inflation, interest-rate, and geopolitical risks that may affect procurement, pricing, demand, and partner performance.

**Data Privacy & Consumer-Protection Risk**

KYC/AML requirements and CRM-linked rewards mean handling sensitive data and linking off-chain records to on-chain events. Breaches or non-compliance can cause regulatory penalties and reputational harm.

**Token Design & Program Risk**

Utility parameters (emission rates, tier thresholds, rebate weights) may need iteration post-launch. If not tuned properly, incentives could either under-motivate adoption or over-distribute rewards, affecting treasury runway and market dynamics.

## 8. Teams and Partners

We operate through subsidiaries, joint ventures, and supplier networks across aviation, marine, automotive, real estate, and renewable energy. This section highlights the operating brands and partnerships that anchor EMC's utility program and day-to-day services.

**Aviation**

- **Mooney International (TX):** Aircraft manufacturing and R&D, with an expanded roadmap spanning helicopters, gyrocopters, seaplanes, and commercial models under the Mooney brand.
- **Light-Sport OEM partners (Poland & Serbia):** Three LSA manufacturers (Argo, Aero East, AirCom) supply platforms that we align to future Mooney models and certification paths (FAA/EASA).
- **Evolution Aircraft:** High-performance aircraft platform integrated into our aviation offering.
- **Flight school network (US/EU/SA):** A roll-up of ~8 schools serving ~600 international students, aligned to Mooney training pathways.

**Marine**

- **Superyacht operations:** Two 41m vessels (hulls #1 & #2) actively charter in the South of France at ~€175k/week each; hulls #3–#4 follow the same program.
- **Antalya shipyard JV (Turkey):** Production partner across catamarans and superyachts; program includes a new 40m SWATH design.
- Rome-area 120m hull: Shipyard + hull acquisition path with planned completion program.

**Automotive**

- **Hi-Tec Automotive (Port Elizabeth, SA):** Performance vehicle manufacturing with an EV line under development; affiliated marine factory builds sports/fishing vessels with a 50-unit/month target.

**Real estate & hospitality**

- Daytona Beach (FL) mixed-use development: Two 30-floor towers (condo + mixed hotel/condo), marina/boat storage, and yacht club; off-plan property sales support construction cash flow.

**Mining, refining & renewables**

- **Ketchen Holdings (TN):** Multi-resource site (~20,000 acres) spanning coal, silica sand, gas/oil, timber, and dimensional stone; inputs feed downstream uses (e.g., PV glass, syngas).
- **Manganese refinery & logistics (Port Elizabeth, SA):** Refining, storage, and distribution hub positioned near seaports and rail.
- **Renewable initiatives:** Collaborations in biofuels and related energy programs connected to our mining inputs.

**Airports & infrastructure**

- **Puttaparthi (India) airport redevelopment:** Redevelopment and infrastructure expansion program with a multi-year schedule.

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How partners participate in EMC utility

- **B2C acceptance:** Operating sites accept EMC for eligible payments (bookings, service, deposits), feeding usage-based rewards into shared CRM.
- **B2B alignment:** JV partners and suppliers receive programmatic rebates and can use milestone escrow for staged payouts; these mechanics are consistent across categories and jurisdictions.
- **Cross-brand loyalty:** Earn in one venue (e.g., flight hours) and redeem in another (e.g., marina nights), with tiers/perks portable across the network.
- **Quality & SLA incentives:** Rebates are weighed by on-time delivery, uptime, and service benchmarks to motivate measurable performance.

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Partner onboarding standards

- **Commercial readiness:** Existing production or service capability with clear demand signals. (Our source doc emphasizes proven products already in use and recurring after-sales demand.)
- **Data attestations:** POS/ERP or booking feeds to verify customer usage and unlock rewards/escrow milestones.
- **Compliance:** KYC/AML where required; customer and counterparty screening; local licensing for deposits and escrowed releases.

- **Transparency:** Quarterly reporting on partner incentives, settlement performance, and customer outcomes.

## 9. Appendices

### Appendix A: Token Contract Specifications

**Standard & chain.**

- ERC-20 on an **EVM Layer-2** rollup (low fees, high throughput); contract addresses published at TGE.
- Network parameters (final L2, bridge contracts) included in the deployment manifest.

**Core modules.**

1. **EMC Token (ERC-20)**: roles: DEFAULT_ADMIN_ROLE, PAUSER_ROLE, TREASURER_ROLE.
2. **Rewards (usage mining)**: accrues EMC to wallets based on **verifiable consumption** events (e.g., flight hours, marina berths, service visits, stays/leases, eligible energy services).
3. **Stake-for-Utility**: time-bound locks that unlock discounts, priority windows, or earn-rate boosts (no equity/profit rights).
4. **B2B Rebates**: partner rebates weighted by volume and SLA performance; quarterly settlement windows.
5. **Milestone Escrow**: deposits and staged payouts tied to objective milestones (inspection sign-offs, delivery docs). Supports **off-plan** real estate flows already contemplated in operations.

**Controls & Safety**

- **Pausable** critical flows; **timelocks** on sensitive operations; **multisig** for treasury and admin.
- **Upgrades:** minimize to proxy-style for non-financial modules; token contract upgradeability restricted and governed by timelock + multisig.
- **Audits:** two independent audits pre-TGE; continuous monitoring post-deploy.

**Events & Reporting**

- Emission events (rewards/vesting), escrow state changes, and treasury movements are emitted on-chain and summarized in **quarterly transparency reports**.

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### Appendix B: Distribution & Vesting Tables

**Total supply (fixed):** 440,000,000,000 EMC
**Released at launch:** 220,000,000,000 EMC (allocated)
**Reserve (treasury):** 220,000,000,000 EMC

**B1) Launch Allocation (Released 220B)**

| Bucket | % of Total | Tokens (B) | TGE Unlock | Vesting / Emissions |
|---|---|---|---|---|
| **Public Sale** | 15% | 66.0 | **10% (6.6B)** | 90% linear over **6 months** (**9.9B/month**) |
| **Strategic / Private** | 10% | 44.0 | 0% | **3-month cliff**, then **18-month linear** (**≈2.444B/month**) |
| **Ecosystem Rewards** | 15% | 66.0 | 0% | Programmatic emissions tied to verified usage; **quarterly caps** published ex-ante |
| **Team & Advisors** | 8% | 35.2 | 0% | **12-month cliff**, then **24-month linear** (**≈1.467B/month**) |
| **Liquidity & MM** | 2% | 8.8 | **100% at TGE** | LP tokens time-locked where practical |

**Reserve (Treasury): 220.0B (50% of total)**: policy-bound for ecosystem growth, partner enablement, listings, audits/security, compliance, and long-tail emissions (multisig + quarterly reports).

**B2) Initial Circulating Supply (TGE)**

- Public TGE: **6.6B**
- Liquidity & MM: **8.8B**
- Optional ecosystem seeding: **~1–3B** (if enabled)

**Starting float: ~15.4B EMC** (no seeding) or **~16.4–18.4B EMC** (with seeding) → **~3.5–4.2% of total supply**.

**B3) Commitments & Pricing Alignment**

- Launch commitments: $2.5B already reserved (allocations/commitments).
- Minimum average price required to satisfy $2.5B:
    - If drawing from the **entire released 220B → $2,500,000,000 ÷ 220,000,000,000 ≈ $0.01136/EMC**
    - If limited to **saleable buckets** (Public + Strategic + Liquidity = **118.8B**) → **$2,500,000,000 ÷ 118,800,000,000 ≈ $0.02104/EMC**
- Public and strategic tranche pricing is set **at or above** the required average while preserving healthy post-TGE liquidity and vesting discipline.

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**Appendix C: Legal & Disclosures (summary)**

- **Utility only:** EMC provides payments, loyalty, access, and B2B incentives; it **does not** confer equity, dividends, or corporate governance rights.
- **KYC/AML & sanctions screening** at sale and required usage touchpoints; adherence to applicable travel-rule data exchange for VASP↔VASP.
- **Jurisdictional alignment:** EU MiCA, U.S. CVC/MSB rules, and local consumer-protection law considered in offer mechanics and disclosures.
- **Deposits & pre-sales:** Where used (e.g., **off-plan** real-estate), funds move via **milestone escrow** with objective, jurisdiction-compliant release criteria and explicit refundability terms.

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**Appendix D: Operational Examples (from EMC operations)**

- **After-sales & service:** Because products are **already built, sold, and in use**, we capture recurring parts, maintenance, repairs, and overhauls, prime touchpoints for usage-based rewards and cross-category perks.
- **Marine charter & builds:** Two **41m** yachts charter at **~€175k/week each**; new builds (e.g., **40m SWATH**) and a **120m** hull program use milestone-driven vendor payments, well suited to escrow.
- **Aviation training:** Roll-up of ~8 flight schools serving **~600** international students provide measurable usage signals (logged hours) for rewards and tiering.

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**Appendix E: Glossary (selected)**

- **EMC (token):** Utility token for payments, loyalty, access, and B2B incentives across EMC's operating network.
- **Released vs. Circulating:** "Released" = allocated at launch (may be vested); "Circulating" = unlocked and freely transferable.
- **Stake-for-Utility:** Lock EMC to unlock discounts/priority or higher earn rates (no equity/profit rights).
- **Usage Mining:** Programmatic rewards based on **verifiable consumption** (e.g., flight hours, berths, service visits).
- **Milestone Escrow:** Smart-contract escrow that releases funds upon **objective milestone** proofs (e.g., inspection sign-off).
- **B2B Rebates:** On-chain partner incentives weighted by volume and SLA performance.

## 10. Conclusion

Elysium Management Company (EMC) operates a real-world ecosystem across five categories: **Aviation, Marine, Automotive, Real Estate, and Renewable Energy**, and standardizes how value moves between customers and partners with a single utility token. Our advantage is operational: many of our products and services are already built, sold, and used daily, creating durable after-sales demand for parts, maintenance, repairs, and overhauls that the EMC token directly amplifies through usage-based rewards and cross-category perks.

In **B2C**, customers pay with EMC, earn rewards on verifiable usage, and carry status and benefits across categories. In **B2B**, suppliers and JV partners settle rebates and stage-based payouts programmatically, aligning delivery, cash flow, and service levels, particularly valuable where we operate via collaborations and joint ventures.

In **real estate**, tokenized deposits and **milestone escrow** support compliant off-plan sales and staged construction financing already contemplated in our developments.

The token model is clear and disciplined: **440B total supply**, **220B released** at launch (with vesting and emissions aligned to real usage), and **220B reserved** under treasury policy, supported by **$2.5B** in launch commitments. Built on an EVM L2 with audited contracts, multisig controls, and transparency reporting, EMC focuses on measurable outcomes: driving **sales**, increasing **usage**, deepening **customer relationships**, and aligning **B2B** performance across regions.

With foundations in place, the path forward is execution, expanding acceptance across operating sites, scaling CRM-linked rewards, and onboarding partners under consistent data, escrow, and compliance standards. The goal remains simple: connect everyday activity in our five categories to programmable utility that compounds customer value and partner performance over time.