

MiCA White Paper

Plume

(PLUME)

Version 1.1
Nov 2025

White Paper in accordance with Markets in Crypto Assets Regulation (MiCAR)
for the European Economic Area (EEA).

Purpose: seeking admission to trading EEA.

Prepared and Filed by LCX.com

NOTE: THIS CRYPTO-ASSET WHITE PAPER HAS NOT BEEN APPROVED BY ANY COMPETENT AUTHORITY IN ANY MEMBER STATE OF THE EUROPEAN ECONOMIC AREA. THE PERSON SEEKING ADMISSION TO TRADING IS SOLELY RESPONSIBLE FOR THE CONTENT OF THIS CRYPTO-ASSET WHITE PAPER ACCORDING TO THE EUROPEAN ECONOMIC AREA'S MARKETS IN CRYPTO-ASSET REGULATION (MICA).

This white paper has been prepared in accordance with the requirements set forth in Commission Implementing Regulation (EU) 2024/2984, ensuring that all relevant reporting formats, content specifications, and machine-readable structures outlined in Annex I of this regulation have been fully mapped and implemented, particularly reflected through the Recitals, to enable proper notification under the Markets in Crypto-Assets Regulation (MiCAR).

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01 DATE OF NOTIFICATION

2025-11-17

COMPLIANCE STATEMENTS

- 02 This crypto-asset white paper has not been approved by any competent authority in any Member State of the European Economic Area. The offeror of the crypto-asset is solely responsible for the content of this crypto-asset white paper.

Where relevant in accordance with Article 6(3), second subparagraph of Regulation (EU) 2023/1114, reference shall be made to 'person seeking admission to trading' or to 'operator of the trading platform' instead of 'offeror'.

- 03 This crypto-asset white paper complies with Title II of Regulation (EU) 2023/1114 and, to the best of the knowledge of the management body, the information presented in the crypto-asset white paper is fair, clear and not misleading and the crypto-asset white paper makes no omission likely to affect its import.
- 04 The crypto-asset referred to in this white paper may lose its value in part or in full, may not always be transferable and may not be liquid.
- 05 Not Applicable
- 06 The crypto-asset referred to in this white paper is not covered by the investor compensation schemes under Directive 97/9/EC of the European Parliament and of the Council. The crypto-asset referred to in this white paper is not covered by the deposit guarantee schemes under Directive 2014/49/EU of the European Parliament and of the Council.

SUMMARY

07 Warning

This summary should be read as an introduction to the crypto-asset white paper. The prospective holder should base any decision to purchase this crypto-asset on the content of the crypto-asset white paper as a whole and not on the summary alone. The offer to the public of this crypto-asset does not constitute an offer or solicitation to purchase financial instruments and any such offer or solicitation can be made only by means of a prospectus or other offer documents pursuant to the applicable national law.

This crypto-asset white paper does not constitute a prospectus as referred to in Regulation (EU) 2017/1129 of the European Parliament and of the Council (36) or any other offer document pursuant to Union or national law.

08 Characteristics of the crypto-asset

The PLUME token is a fungible digital asset built on Ethereum and natively supported on the Plume Network, an EVM-compatible Layer-2 blockchain designed for real-world asset tokenization. It follows the ERC-20 standard and is transferable, divisible, and tradable on supported platforms. PLUME plays a central role in the network's operations, including being required for transactions, network participation, governance decisions, and access to on-chain features. The token includes built-in compliance mechanisms such as wallet whitelisting and identity verification to support its use in regulated environments, and it may feature capped supply dynamics or deflationary mechanisms depending on the protocol's governance.

09 Not applicable

10 Key information about the offer to the public or admission to trading

Here are the key information about the Plume (PLUME):

<i>Total offer amount</i>	Not applicable
<i>Total number of tokens to be offered to the public</i>	Not Applicable
<i>Subscription period</i>	Not Applicable
<i>Minimum and maximum subscription amount</i>	Not Applicable
<i>Issue price</i>	Not Applicable
<i>Subscription fees (if any)</i>	Not Applicable
<i>Target holders of tokens</i>	Not Applicable

<i>Description of offer phases</i>	Not Applicable
<i>CASP responsible for placing the token (if any)</i>	Not Applicable
<i>Form of placement</i>	Not Applicable
<i>Admission to trading</i>	LCX AG, Herrengasse 6, 9490 Vaduz, Liechtenstein

A. PART A - INFORMATION ABOUT THE OFFEROR OR THE PERSON SEEKING ADMISSION TO TRADING

A.1 Name

LCX

A.2 Legal Form

AG

A.3 Registered Address

Herrengasse 6, 9490 Vaduz, Liechtenstein

A.4 Head Office

Herrengasse 6, 9490 Vaduz, Liechtenstein

A.5 Registration Date

24.04.2018

A.6 Legal Entity Identifier

529900SN07Z6RTX8R418

A.7 Another Identifier Required Pursuant to Applicable National Law

FL-0002.580.678-2

A.8 Contact Telephone Number

+423 235 40 15

A.9 E-mail Address

legal@lcx.com

A.10 Response Time (Days)

020

A.11 Parent Company

Not applicable

A.12 Members of the Management Body

Full Name	Business Address	Function
Monty C. M. Metzger	Herrengasse 6, 9490 Vaduz, Liechtenstein	President of the Board
Katarina Metzger	Herrengasse 6, 9490 Vaduz, Liechtenstein	Board Member
Anurag Verma	Herrengasse 6, 9490 Vaduz, Liechtenstein	Director of Technology

A.13 Business Activity

LCX provides various crypto-asset services under Liechtenstein's Token and Trusted Technology Service Provider Act ("Token- und Vertrauenswürdige Technologie-Dienstleister-Gesetz" in short "TVTG") also known as the Blockchain Act. These include custody and administration of crypto-assets, offering secure storage for clients' assets and private keys. LCX operates a trading platform, facilitating the matching of buy and sell orders for crypto-assets. It enables both crypto-to-fiat and crypto-to-crypto exchanges, ensuring compliance with AML and KYC regulations. LCX also supports token placements, marketing crypto-assets on behalf of offerors.

Under MiCA, LCX is classified as a Crypto-Asset Service Provider (CASP). LCX is not yet formally supervised under MiCA until the license is granted by the competent authority.

Under the TVTG framework, LCX provides:

- TT Depositary – Custody and safekeeping of crypto-assets.
- TT Trading Platform Operator – Operation of a regulated crypto-asset exchange.
- TT Exchange Service Provider – Crypto-to-fiat and crypto-to-crypto exchange.
- Token Issuer – Marketing and distribution of tokens.
- TT Transfer Service Provider – Crypto-asset transfers between ledger addresses.
- Token Generator & Tokenization Service Provider – Creation and issuance of tokens.
- Physical Validator – Enforcement of token-based rights on TT systems.
- TT Verification & Identity Service Provider – Legal capacity verification and identity registration.
- TT Price Service Provider – Providing aggregated crypto-asset price information.

A.14 Parent Company Business Activity

Not applicable

A.15 Newly Established

false

A.16 Financial Condition for the past three Years

LCX AG has a strong capital base, with CHF 1 million (approx. 1,126,000 USD) in share capital (Stammkapital) and a solid equity position (Eigenkapital) in 2023. The company has experienced fluctuations in financial performance over the past three years, reflecting the dynamic nature of the crypto market. While LCX AG recorded a loss in 2022, primarily due to a market downturn and a security breach, it successfully covered the impact through reserves. The company has remained financially stable, achieving revenues and profits in 2021, 2023 and 2024 while maintaining break-even operations.

In 2023 and 2024, LCX AG strengthened its operational efficiency, expanded its business activities, and upheld a stable financial position. Looking ahead to 2025, the company anticipates positive financial development, supported by market uptrends, an inflow of customer funds, and strong business performance. Increased adoption of digital assets and service expansion are expected to drive higher revenues and profitability, further reinforcing LCX AG's financial position.

A.17 Financial Condition Since Registration

LCX AG has been financially stable since its registration, supported by CHF 1 million in share capital (Stammkapital) and continuous business growth. Since its inception, the company has expanded its operations, secured multiple regulatory registrations, and established itself as a key player in the crypto and blockchain industry.

While market conditions have fluctuated, LCX AG has maintained strong revenues and break-even operations. The company has consistently reinvested in its platform, technology, and regulatory compliance, ensuring long-term sustainability. The LCX Token has been a fundamental part of the ecosystem, with a market capitalization of approximately \$200 million USD and an all-time high exceeding \$500 million USD in 2022. Looking ahead, LCX AG anticipates continued financial growth, driven by market uptrends, increased adoption of digital assets, and expanding business activities.

B. PART B - INFORMATION ABOUT THE ISSUER, IF DIFFERENT FROM THE OFFEROR OR PERSON SEEKING ADMISSION TO TRADING

B.1 Issuer different from offeror or person seeking admission to trading

True

B.2 Name

Plume Foundation

B.3 Legal Form

Foundation

B.4 Registered Address

71 Fort Street, PO Box 10035, George Town, Grand Cayman KY1-1001, Cayman Islands

B.5 Head Office

Unknown

B.6 Registration Date

Not Available

B.7 Legal Entity Identifier

Not applicable

B.8 Another Identifier Required Pursuant to Applicable National Law

Not Available

B.9 Parent Company

Not Available

B.10 Members of the Management Body

Not Available

B.11 Business Activity

The Foundation oversees the development and operation of the Plume Network blockchain platform for real-world asset tokenisation and related services. It supports the growth governance and compliance efforts of the Plume ecosystem providing a blockchain protocol and supporting infrastructure for RWA finance.

B.12 Parent Company Business Activity

Unknown

C. PART C - INFORMATION ABOUT THE OPERATOR OF THE TRADING PLATFORM IN CASES WHERE IT DRAWS UP THE CRYPTO-ASSET WHITE PAPER AND INFORMATION ABOUT OTHER PERSONS DRAWING THE CRYPTO-ASSET WHITE PAPER PURSUANT TO ARTICLE 6(1), SECOND SUBPARAGRAPH, OF REGULATION (EU) 2023/1114

C.1 Name

LCX AG

C.2 Legal Form

AG

C.3 Registered Address

Herrengasse 6, 9490 Vaduz, Liechtenstein

C.4 Head Office

Herrengasse 6, 9490 Vaduz, Liechtenstein

C.5 Registration Date

24.04.2018

C.6 Legal Entity Identifier

529900SN07Z6RTX8R418

C.7 Another Identifier Required Pursuant to Applicable National Law

FL-0002.580.678-2

C.8 Parent Company

Not Applicable

C.9 Reason for Crypto-Asset White Paper Preparation

LCX is preparing this MiCA-compliant whitepaper for PLUME to enhance transparency, regulatory clarity, and investor confidence. While PLUME does not require a MiCA whitepaper, Due to its classification as "Other Crypto Asset," LCX is providing this document to support its role as a Crypto-Asset Service Provider (CASP) and ensure compliance with MiCA regulations in facilitating PLUME trading on its platform.

C.10 Members of the Management Body

Full Name	Business Address	Function
Monty C. M. Metzger	Herrengasse 6, 9490 Vaduz, Liechtenstein	President of the Board
Katarina Metzger	Herrengasse 6, 9490 Vaduz, Liechtenstein	Board Member
Anurag Verma	Herrengasse 6, 9490 Vaduz, Liechtenstein	Director of Technology

C.11 Operator Business Activity

LCX provides various crypto-asset services under Liechtenstein's Token and Trusted Technology Service Provider Act ("Token- und Vertrauenswürdige Technologie-Dienstleister-Gesetz" in short "TVTG") also known as the Blockchain Act. These include custody and administration of crypto-assets, offering secure storage for clients' assets and private keys. LCX operates a trading platform, facilitating the matching of buy and sell orders for crypto-assets. It enables both

crypto-to-fiat and crypto-to-crypto exchanges, ensuring compliance with AML and KYC regulations. LCX also supports token placements, marketing crypto-assets on behalf of offerors.

Under MiCA, LCX is classified as a Crypto-Asset Service Provider (CASP).

Under the TVTG framework, LCX provides:

- TT Depositary – Custody and safekeeping of crypto-assets.
- TT Trading Platform Operator – Operation of a regulated crypto-asset exchange.
- TT Exchange Service Provider – Crypto-to-fiat and crypto-to-crypto exchange.
- Token Issuer – Marketing and distribution of tokens.
- TT Transfer Service Provider – Crypto-asset transfers between ledger addresses.
- Token Generator & Tokenization Service Provider – Creation and issuance of tokens.
- Physical Validator – Enforcement of token-based rights on TT systems.
- TT Verification & Identity Service Provider – Legal capacity verification and identity registration.
- TT Price Service Provider – Providing aggregated crypto-asset price information.

C.12 Parent Company Business Activity

Not Applicable

C.13 Other persons drawing up the white paper under Article 6 (1) second subparagraph MiCA

Not Applicable

C.14 Reason for drawing up the white paper under Article 6 (1) second subparagraph MiCA

Not Applicable

D. PART D - INFORMATION ABOUT THE CRYPTO-ASSET PROJECT

D.1 Crypto-Asset Project Name

Plume

D.2 Crypto-Assets Name

Plume

D.3 Abbreviation

PLUME

D.4 Crypto-Asset Project Description

The PLUME token is the native utility and governance token of the Plume Network, an EVM-compatible Layer-2 blockchain purpose-built to support the tokenization and compliant trading of real-world assets (RWAs). The network bridges traditional finance and decentralized finance (DeFi) by enabling on-chain issuance, custody, transfer, and settlement of tokenized securities, real estate, and other RWAs, underpinned by regulatory compliance frameworks. The PLUME token powers this ecosystem by facilitating transactions, governance, and network security through staking and validator incentives.

D.5 Details of all persons involved in the implementation of the crypto-asset project

These people/entities collaborate to maintain and improve the PLUME token ecosystem:

Full Name	Business Address	Function
Christopher Yin	<i>Not Applicable</i>	<i>CEO</i>
Eugene Shen	<i>Not Applicable</i>	<i>CTO</i>
Plume Foundation	<i>71 Fort Street, PO Box 10035, George Town, Grand Cayman KY1-1001, Cayman Islands</i>	<i>Development, Operations and Growth of Plume Network.</i>

D.6 Utility Token Classification

False

D.7 Key Features of Goods/Services for Utility Token Projects

Not Applicable

D.8 Plans for the Token

The long-term plan for the PLUME token is to evolve it into a core instrument for governance, staking, and utility within a compliant RWA tokenization ecosystem. It will enable community-led protocol upgrades, incentivize decentralized infrastructure participation, and serve as the standard fee currency across the Plume Network. Future developments include expanding PLUME's role in regulatory-compliant DeFi applications, enhancing on-chain identity and access systems, and enabling integrations with institutional financial platforms to support broader RWA adoption.

D.9 Resource Allocation

Resources from the PLUME project are strategically allocated across several areas including core protocol development, security audits, compliance tooling, community growth, and ecosystem development. A portion of the supply is reserved for staking rewards, validator incentives, and liquidity provisioning. Additionally, funds are directed toward regulatory engagement and legal

operations to maintain the network's standing as a regulated platform, particularly in jurisdictions such as the U.S., where it operates as a registered transfer agent for tokenized securities.

D.10 Planned Use of Collected Funds or Crypto-Assets

Funds or crypto-assets collected through token sales, grants, or ecosystem incentives are allocated to support the continued development and scaling of the Plume Network. These uses include expanding engineering teams, developing user-facing applications, conducting regular smart contract audits, and building institutional partnerships. A portion of the funds is also set aside for maintaining regulatory compliance, including KYC/AML integration and legal advisory services, ensuring the network's infrastructure supports secure and lawful real-world asset tokenization.

E. PART E - INFORMATION ABOUT THE OFFER TO THE PUBLIC OF CRYPTO-ASSETS OR THEIR ADMISSION TO TRADING

E.1 Public Offering or Admission to Trading

ATTR

E.2 Reasons for Public Offer or Admission to Trading

LCX is filing a MiCA-compliant whitepaper for PLUME to enhance transparency, regulatory clarity, and investor confidence. While PLUME is classified as “Other Crypto-Assets” under MiCA and does not require a whitepaper, this initiative supports compliance readiness and aligns with MiCA's high disclosure standards. By doing so, LCX strengthens its position as a regulated exchange, ensuring a trustworthy and transparent trading environment for PLUME within the EU's evolving regulatory framework. Additionally, this filing facilitates market access and institutional adoption by removing uncertainty for institutional investors and regulated entities seeking to engage with PLUME in a compliant manner. It further supports the broader market adoption and integration of PLUME into the regulated financial ecosystem, reinforcing LCX's role in shaping compliant and transparent crypto markets.

E.3 Fundraising Target

Not applicable

E.4 Minimum Subscription Goals

Not applicable

E.5 Maximum Subscription Goal

Not applicable

E.6 Oversubscription Acceptance

Not applicable

E.7 Oversubscription Allocation

Not applicable

E.8 Issue Price

Not applicable

E.9 Official Currency or Any Other Crypto-Assets Determining the Issue Price

Not applicable

E.10 Subscription Fee

Not applicable

E.11 Offer Price Determination Method

Not applicable

E.12 Total Number of Offered/Traded Crypto-Assets

PLUME has a fixed supply of 10,000,000,000 Tokens.

E.13 Targeted Holders

ALL

E.14 Holder Restrictions

Not applicable

E.15 Reimbursement Notice

Not applicable

- E.16 Refund Mechanism**
Not applicable
- E.17 Refund Timeline**
Not applicable
- E.18 Offer Phases**
Not applicable
- E.19 Early Purchase Discount**
Not applicable
- E.20 Time-Limited Offer**
Not applicable
- E.21 Subscription Period Beginning**
Not applicable
- E.22 Subscription Period End**
Not applicable
- E.23 Safeguarding Arrangements for Offered Funds/Crypto-Assets**
Not applicable
- E.24 Payment Methods for Crypto-Asset Purchase**
Not applicable
- E.25 Value Transfer Methods for Reimbursement**
Not applicable
- E.26 Right of Withdrawal**
Not applicable
- E.27 Transfer of Purchased Crypto-Assets**
Not applicable
- E.28 Transfer Time Schedule**
Not applicable
- E.29 Purchaser's Technical Requirements**
Not applicable
- E.30 Crypto-asset service provider (CASP) name**
Not applicable
- E.31 CASP identifier**
Not applicable
- E.32 Placement Form**
NTAV
- E.33 Trading Platforms name**
LCX AG
- E.34 Trading Platforms Market Identifier Code (MIC)**
LCXE

E.35 Trading Platforms Access

PLUME is widely traded on multiple regulated and unregulated trading platforms globally. PLUME is not restricted to a single exchange and can be accessed by retail and institutional investors worldwide.

LCX Exchange also provides access to PLUME trading with the PLUME/EUR pair. Investors can access PLUME through [LCX.com](https://www.lcx.com), the official LCX exchange, as well as other supported cryptocurrency trading platforms. To trade PLUME, users must register, complete KYC (Know Your Customer) verification, and comply with platform-specific requirements.

E.36 Involved Costs

Not applicable

E.37 Offer Expenses

Not applicable

E.38 Conflicts of Interest

Not applicable

E.39 Applicable Law

For admission to trading of PLUME on LCX, the applicable law is Liechtenstein law, applied in accordance with MiCA and EU regulations. For decentralized, on-chain use of PLUME outside LCX, applicable law depends on the user's jurisdiction.

E.40 Competent Court

Any disputes related to services provided by LCX fall under the jurisdiction of the Courts of Liechtenstein. For independent on-chain activities with PLUME, no centralized legal recourse exists.

F. PART F - INFORMATION ABOUT THE CRYPTO-ASSETS

F.1 Crypto-Asset Type

Other Crypto-Asset

F.2 Crypto-Asset Functionality

The PLUME token serves as a multifunctional utility and governance token within the Plume Network ecosystem, which is built to tokenize and manage real-world assets (RWAs) on-chain. It is used to pay transaction (gas) fees on the Plume L2 chain, incentivize validators and node operators, and participate in decentralized governance over protocol upgrades and operational decisions. Additionally, PLUME can be staked to secure the network and may be required for accessing certain ecosystem applications, including whitelisted DeFi tools tailored for regulated asset trading and compliance-enforced transfers.

F.3 Planned Application of Functionalities

For planned application of functionalities, please refer to their official website: <https://plume.org/>

F.4 Type of white paper

OTHR

F.5 The type of submission

NEWT

F.6 Crypto-Asset Characteristics

PLUME is an ERC-20 compatible fungible token, deployed initially on Ethereum and natively supported on the Plume Network, an EVM-compatible roll-up. It is designed to be deflationary through potential token-burning mechanisms and limited issuance schedules. The token's characteristics are tightly integrated with Plume's mission of enabling regulated asset tokenization, featuring built-in compliance layers such as wallet whitelisting and on-chain identity verification. As a governance token, PLUME also allows holders to propose and vote on changes to the network, reinforcing its decentralized nature while ensuring adaptability to evolving regulatory and market needs.

F.7 Commercial name or trading name

PLUME

F.8 Website of the issuer

<https://plume.org/>

F.9 Starting date of offer to the public or admission to trading

2025-12-17

F.10 Publication date

2025-12-17

F.11 Any other services provided by the issuer

Not applicable

F.12 Language or languages of the white paper

English

F.13 Digital Token Identifier Code used to uniquely identify the crypto-asset or each of the several crypto assets to which the white paper relates, where available

GZ40989SS

F.14 Functionally Fungible Group Digital Token Identifier, where available

FRZQZJ7BL

F.15 Voluntary data flag

true

F.16 Personal data flag

false

F.17 LEI eligibility

false

F.18 Home Member State

Liechtenstein

F.19 Host Member States

Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden.

G. PART G - INFORMATION ON THE RIGHTS AND OBLIGATIONS ATTACHED TO THE CRYPTO-ASSETS

G.1 Purchaser Rights and Obligations

Holders of the PLUME token have specific rights and obligations as defined within the token's usage structure and governance framework. These rights typically include participating in governance processes such as voting on protocol changes, staking to secure the network, and using the token to pay for transaction fees within the Plume ecosystem. Obligations may include compliance with on-chain KYC/AML requirements, especially when interacting with tokenized real-world assets, as well as adherence to any legal or regulatory restrictions applicable in their jurisdictions. Token holders must also act within the parameters of smart contract rules, ensuring lawful and compliant usage of the platform.

G.2 Exercise of Rights and Obligation

Rights and obligations associated with PLUME tokens are exercised directly via the Plume blockchain infrastructure and associated smart contracts. Token holders engage with decentralized governance portals for voting, use staking contracts to secure the network, and interact with whitelisted dApps to trade or transfer assets.

On-chain identity verification mechanisms ensure that rights like asset access or governance participation are restricted to eligible users. Obligations, such as compliance with regulatory frameworks, are enforced through programmable rules embedded in the platform's smart contracts and enforced at the protocol level.

G.3 Conditions for Modifications of Rights and Obligations

Modifications to the rights and obligations of PLUME token holders are governed through the protocol's decentralized governance system. Any change—such as altering staking rewards, governance rights, or compliance procedures—requires a formal proposal, community discussion, and approval through an on-chain voting process involving PLUME token holders.

Such changes are subject to quorum and approval thresholds predefined in the governance framework. Additionally, legal or regulatory developments may trigger updates to compliance features or access rights, which must also be ratified through governance before implementation on-chain.

G.4 Future Public Offers

Not applicable

G.5 Issuer Retained Crypto-Assets

Not applicable

G.6 Utility Token Classification

False

G.7 Key Features of Goods/Services of Utility Tokens

Not Applicable

G.8 Utility Tokens Redemption

Not applicable

G.9 Non-Trading Request

True

G.10 Crypto-Assets Purchase or Sale Modalities

Not applicable

G.11 Crypto-Assets Transfer Restrictions

Not applicable

G.12 Supply Adjustment Protocols

False

G.13 Supply Adjustment Mechanisms

Not Applicable

G.14 Token Value Protection Schemes

False

G.15 Token Value Protection Schemes Description

Not Applicable

G.16 Compensation Schemes

False

G.17 Compensation Schemes Description

Not Applicable

G.18 Applicable Law

For admission to trading of PLUME on LCX, the applicable law is Liechtenstein law, applied in accordance with MiCA and EU regulations. For decentralized, on-chain use of PLUME outside LCX, applicable law depends on the user's jurisdiction.

G.19 Competent Court

Any disputes related to services provided by LCX fall under the jurisdiction of the Courts of Liechtenstein. For independent on-chain activities with PLUME, no centralized legal recourse exists.

H. PART H – INFORMATION ON THE UNDERLYING TECHNOLOGY

H.1 Distributed ledger technology

PLUME token operates on a hybrid distributed ledger infrastructure comprising the Ethereum mainnet. This setup ensures both scalability and Ethereum-grade security while maintaining a transparent and immutable ledger for all token interactions.

H.2 Protocols and Technical Standards

PLUME token adheres to the ERC-20 token standard, enabling compatibility with the broader Ethereum ecosystem. It also integrates technical protocols from the Plume Chain, which supports smart contracts and on-chain compliance mechanisms tailored for RWA management. These include KYC/AML integrations and digital identity frameworks, making the platform suitable for tokenized securities. The Plume Network is compliant with U.S. regulatory frameworks, operating under SEC oversight as a registered transfer agent.

H.3 Technology Used

The PLUME ecosystem leverages Ethereum's Proof-of-Stake mechanism for Layer-1 security and scalability through Plume's own Layer-2 roll-up built using the OP Stack. The technology stack includes Solidity for smart contract development, integration with decentralized oracles, and tools for regulatory compliance like token whitelisting and credential verification. This modular, EVM-compatible setup allows developers and institutions to launch and manage RWA tokens within a legally compliant, high-performance blockchain environment.

H.4 Consensus Mechanism

The PLUME token is issued on the Ethereum blockchain, which provides high network security, energy efficiency, and scalability through validators who propose and confirm transactions.

H.5 Incentive Mechanisms and Applicable Fees

PLUME uses the already established Ethereum's incentive and fee mechanism.

H.6 Use of Distributed Ledger Technology

True

H.7 DLT Functionality Description

Distributed ledger technology in the PLUME token ecosystem is used to tokenize, issue, and manage real-world financial assets on-chain, enabling transparent and tamper-proof transactions. The ledger maintains a shared, immutable record of asset ownership, token transfers, and compliance events. Smart contracts enforce rules around trading, investor eligibility, and settlement. This functionality allows institutions to bridge traditional finance with DeFi by providing a secure and regulated platform for trading tokenized securities and other RWAs.

H.8 Audit

True

H.9 Audit Outcome

The PLUME token smart contracts have undergone various audits, and all pertinent details regarding this audit are accessible on their website via the provided link:

<https://docs.plume.org/plume/plume-security/audits-and-security>

I. PART I – INFORMATION ON RISKS

I.1 Offer-Related Risks

Market Volatility: The value of PLUME may fluctuate significantly after launch.

Insufficient Demand: The offering may not attract the expected user base or funding.

Limited Liquidity: There is no guarantee of active secondary markets for trading PLUME.

I.2 Issuer-Related Risks

Operational Risk: The issuing entity may face financial, legal, or management issues.

Regulatory Risk: Future regulatory changes could impact the issuer's ability to operate.

Dependence on Key Personnel: Loss of core team members may affect the project's progress.

I.3 Crypto-Assets-Related Risks

Price Volatility: Crypto-assets in general are subject to high price fluctuations.

Cybersecurity Threats: Wallets, exchanges, or smart contracts may be vulnerable to attacks.

Lack of Legal Recourse: Users may have limited remedies in the event of token loss or theft.

I.4 Project Implementation-Related Risks

Delays: Project features or milestones may be postponed or fail to launch.

Resource Constraints: Funding shortfalls or technical challenges may affect delivery.

Integration Failure: Planned partnerships or features may not materialize as expected.

I.5 Technology-Related Risks

Smart Contract Bugs: Undiscovered flaws in deployed contracts could cause failures.

Blockchain Dependencies: Reliance on the underlying blockchain (e.g., Solana or other) may introduce external risks like congestion or forks.

System Downtime: Platform outages or infrastructure failure could disrupt service.

I.6 Mitigation Measures

Audits: Smart contracts are subject to independent security audits.

Vesting and Reserves: Controlled token releases reduce the risk of market shocks.

Regulatory Alignment: The project is designed to comply with MiCA and EU laws.

Transparency: Regular updates and on-chain data provide user visibility and trust.

Contingency Planning: A reserve fund and legal structure are in place to handle operational risks.

J. PART J – INFORMATION ON THE SUSTAINABILITY INDICATORS IN RELATION TO ADVERSE IMPACT ON THE CLIMATE AND OTHER ENVIRONMENT-RELATED ADVERSE IMPACTS

Adverse impacts on climate and other environment-related adverse impacts.

J.1 Information on principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism

The PLUME token operates on a user-friendly, scalable blockchain infrastructure, optimized for accessibility and low-cost transactions. The platform's low environmental impact and commitment to sustainable operations align with MiCA's standards for distributed ledger technologies. The network's annual energy consumption is 1727.30009 kWh/a.

General information	
S.1 Name <i>Name reported in field A.1</i>	LCX
S.2 Relevant legal entity identifier Identifier referred to in field A.2	529900SN07Z6RTX8R418
S.3 Name of the crypto-asset Name of the crypto-asset, as reported in field D.2	PLUME
S.4 Consensus Mechanism The consensus mechanism, as reported in field H.4	Ethereum's Proof of Stakes
S.5 Incentive Mechanisms and Applicable Fees Incentive mechanisms to secure transactions and any fees applicable, as reported in field H.5	PLUME uses the already established Ethereum's incentive and fee mechanism.
S.6 Beginning of the period to which the disclosure relates	2024-05-18
S.7 End of the period to which the disclosure relates	2024-05-18
Mandatory key indicator on energy consumption	
S.8 Energy consumption Total amount of energy used for the validation of transactions and the maintenance of the integrity of the distributed ledger of transactions, expressed per calendar year	1727.30009 kWh per year
Sources and methodologies	
S.9 Energy consumption sources and Methodologies Sources and methodologies used in relation to the information reported in field S.8	The energy consumption of the PLUME token is calculated using a bottom-up approach, focusing on node activity. Public data, open-source tools, and certified lab tests inform estimates. Network-level energy use is attributed to the token based on its gas usage,

	using FFG DTI data to identify asset implementations.
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J.2 Supplementary information on principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism

Not Applicable