The **MiCA Crypto Alliance** has prepared an ESG Factsheet with mandatory, supplementary and optional MiCA-compliant indicators for Thorchain (RUNE).

The **MiCA Crypto Alliance** enables L1 and L2 crypto asset projects, exchanges, and other CASPs to produce state-of-the-art, uniform, MiCA white papers and MiCA sustainability indicators, setting and following best practices.



Exchanges and other CASPs members of the Alliance receive a downloadable, multi-crypto asset file with sustainability indicators with values as the below.

Article 3(1) CDR 2025/422

"Information that crypto-asset service providers are to make publicly available on their website (...) It shall be in form of a downloadable file and presented in a way that is easy to read, with characters of readable size and a style of writing that facilitates its understanding and that facilitates comparisons"

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Mandatory Information on principal adverse impacts on the climate

<table>
<tr><th>N</th><th>Field</th><th>Content</th></tr>
<tr><td colspan="3">General Information</td></tr>
<tr><td>S.1</td><td>Name</td><td>FalconX Limited</td></tr>
<tr><td>S.2</td><td>Relevant legal entity identifier</td><td>984500F6A0762F9LA923</td></tr>
<tr><td>S.3</td><td>Name of the crypto-asset</td><td>Thorchain / RUNE</td></tr>
<tr><td>S.4</td><td>Consensus Mechanism</td><td>Proof of Stake (Tendermint / CometBFT)</td></tr>
<tr><td>S.5</td><td>Incentive Mechanisms and Applicable Fees</td><td>
<table>
<tr><td>Token</td><td>No</td></tr>
<tr><td>Block Producer Rewards</td><td>Yes</td></tr>
<tr><td>Staking Rewards</td><td>Yes</td></tr>
<tr><td>Delegation Rewards</td><td>No</td></tr>
<tr><td>Tx Fees</td><td>Yes</td></tr>
<tr><td>Gas Fees</td><td>Yes</td></tr>
<tr><td>Tx Burn</td><td>No</td></tr>
<tr><td>Gov Rights</td><td>No</td></tr>
</table>
</td></tr>
<tr><td>S.6</td><td>Beginning of the period to which the disclosure relates</td><td>2026-01-01</td></tr>
<tr><td>S.7</td><td>End of the period to which the disclosure relates</td><td>2026-09-23</td></tr>
<tr><td colspan="3">Mandatory key indicator on energy consumption</td></tr>
<tr><td>S.8</td><td>Energy consumption</td><td>412,658.36720 kWh per calendar year</td></tr>
</table>

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N	Field	Content
General Information		
Sources and methodologies		
S.9	**Energy consumption sources and methodologies**	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). As the base layer is a decentralised network, estimates on individual node power draw are used. Full methodology available at: www.micacryptoalliance.com/methodologies/esg

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Supplementary Information on the principal adverse impacts on the climate and other environment-related adverse impacts of the consensus mechanism

N	Field	Content
Supplementary key indicators on energy and GHG emissions		
S.10	Renewable energy consumption	38.7111694117%
S.11	Energy intensity	0.01501 kWh per transaction
S.12	Scope 1 DLT GHG emissions – controlled	0 t CO_2eq per calendar year
S.13	Scope 2 DLT GHG emissions – purchased	126.13505 t CO_2eq per calendar year
S.14	GHG intensity	0.00459 kg CO_2eq per transaction
Sources and methodologies		
S.15	Key energy source and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/esg
S.16	Key GHG sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/esg

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Optional information on the principal adverse impacts on the climate and on other environment-related adverse impacts of the consensus mechanism

<table>
<tr><th>N</th><th>Field</th><th>Content</th></tr>
<tr><td colspan="3">Optional Indicators</td></tr>
<tr><td>S.17</td><td>Energy mix</td><td>
<table>
<tr><th>Energy source</th><th>Percentage {DECIMAL-11/10}</th></tr>
<tr><td>Bioenergy</td><td>3.2188582574%</td></tr>
<tr><td>Coal</td><td>14.9828139461%</td></tr>
<tr><td>Flared Methane</td><td>0.0000000000%</td></tr>
<tr><td>Gas</td><td>30.5083728656%</td></tr>
<tr><td>Hydro</td><td>0.0865916037%</td></tr>
<tr><td>Nuclear</td><td>12.8072767194%</td></tr>
<tr><td>Other Fossils</td><td>2.9903670572%</td></tr>
<tr><td>Other Renewables</td><td>0.4096410708%</td></tr>
<tr><td>Solar</td><td>12.1119834042%</td></tr>
<tr><td>Vented Methane</td><td>0.0000000000%</td></tr>
<tr><td>Wind</td><td>14.3115263082%</td></tr>
</table>
</td></tr>
<tr><td>S.19</td><td>Carbon intensity</td><td>0.30566 kg CO_2eq per kWh</td></tr>
<tr><td>S.22</td><td>Generation of waste electrical and electronic equipment (WEEE)</td><td>0.68038 t per calendar year</td></tr>
<tr><td>S.23</td><td>Non-recycled WEEE ratio</td><td>61.5675275998%</td></tr>
<tr><td>S.24</td><td>Generation of hazardous waste</td><td>0.00034 t per calendar year</td></tr>
</table>

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S.25	Generation of waste (all types)	0.68038 t per calendar year
S.26	Non-recycled waste ratio (all types)	61.5675275998%
S.27	Waste intensity (all types)	0.02474 g per transaction
S.29	Impact of the use of equipment on natural resources	Land use: 10,202.29152 m²
S.31	Water use	1,711.20666 m³ per calendar year
S.32	Non-recycled water ratio	72.9551650627%
Sources and methodologies		
S.33	Other energy sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/esg
S.34	Other GHG sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Full methodology available at: www.micacryptoalliance.com/methodologies/esg
S.35	Waste sources and methodologies	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). As the base layer is a decentralised network, estimates on individual node weight, hazardous components and depreciation rate are used. Full methodology available at: www.micacryptoalliance.com/methodologies/esg
S.36	Natural resources	Data provided by the MiCA Crypto Alliance as a third party, with no deviations from the calculation guidance of Commission Delegated Regulation (EU) 2025/422, Article 6(5). Usage of

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	sources and methodologies	natural resources is approximated through land use metrics. Land use, water use and water recycling are calculated based on energy mix-specific estimates of purchased electricity land intensity, purchased electricity water intensity, and water recycling rates. Full methodology available at: www.micacryptoalliance.com/methodologies/esg

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