PUBLIC DISCLOSURE STATEMENT

QMINES LIMITED (ASX: QML)

ORGANISATION CERTIFICATION
FY2020-21

Australian Government

Climate Active
Public Disclosure Statement

An Australian Government Initiative

NAME OF CERTIFIED ENTITY	QMines Limited (ASX: QML)
REPORTING PERIOD	Financial year 1 July 2020 – 30 June 2021 Arrears report
DECLARATION	*To the best of my knowledge, the information provided in this public disclosure statement is true and correct and meets the requirements of the Climate Active Carbon Neutral Standard.* 
	For and on behalf of QMines Limited: Andrew Sparke Executive Chairman 30.11.2021

Australian Government
Department of Industry, Science, Energy and Resources

Version September 2021. To be used for FY20/21 reporting onwards.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	636.94 tCO_2-e
OFFSETS BOUGHT	100% ACCUs
RENEWABLE ELECTRICITY	35.70%
TECHNICAL ASSESSMENT	Date: 5 November 2021 Name: Sherlin Ng Organisation: Energetics Pty Ltd Next Technical Assessment Due: 2024
THIRD PARTY VALIDATION	Type: 1 - Verification Date: 8 November 2021 Name: Katherine Simmons Organisation: KREA Consulting Pty Ltd

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2. CARBON NEUTRAL INFORMATION

Description of Certification

QMines Limited (ASX: QML) is a Queensland focused copper and gold exploration and development company. QMines is seeking to become Australia's first zero carbon copper and gold developer and is seeking Climate Active Carbon Neutral certification for the Australian business operations of QMines Limited ABN 72 643 212 104.

QMines' baseline year and first year of certification is the financial year ending on 30 June 2021 (FY21)

The operational boundary has been defined based on an operational control test, in accordance with the principles of the National Greenhouse and Energy Reporting Act 2007.

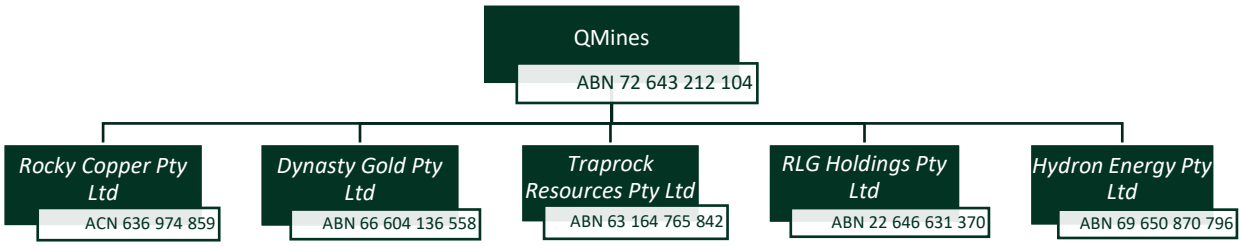
The methods used for collating data, performing calculations, and presenting the carbon account are in accordance with the following standards:

- Climate Active Standards
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- National Greenhouse and Energy Reporting (Measurement) Determination 2008.

"QMines is committed to being a sustainable business. Climate Active certification confirms the validity of the Company's mission statement to become Australia's first zero carbon copper and gold developer."

Where possible, the calculation methodologies and emission factors used in this inventory are derived from the National Greenhouse Accounts (NGA) Factors in accordance with "Method 1" from the National Greenhouse and Energy Reporting (Measurement) Determination 2008. The greenhouse gases considered within the inventory are those that are commonly reported under the Kyoto Protocol; carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O) and synthetic gases - hydrofluorocarbons (HFCs), perfluorocarbons (PFCs) sulphur hexafluoride (SF_6) and nitrogen trifluoride (NF_3). These have been expressed as carbon dioxide equivalents (CO_2-e) using relative global warming potentials (GWPs).

Organisation Description



QMines is an ASX-listed company (ASX: QML) with a portfolio of 100% owned, copper and gold assets located in Queensland, Australia. The Company's primary focus is the development of its flagship Mt Chalmers Project, 17km from Rockhampton in Queensland.

The Company aims to become Australia's first zero carbon copper and gold developer, using the Climate Active Organisation certification. The Mt Chalmers Project is ideally placed to meet increasing demand for ethically sourced copper, driven by the global energy transition towards net zero.

The company is committed to achieving this goal whilst maintaining strong environmental, social, and corporate governance (ESG) practices. To fulfill this commitment, QMines are acting now with onsite renewable power generation, onsite water, and wastewater management, use of renewable fuel for drill rigs and vehicles and several other initiatives outlined in Section 4, Emissions Reductions.

As QMines grows, it is expected that additional facilities will be included as part of our Carbon Neutral assessment. A key feature of the development plan for the Mt Chalmers Project is QMines commitment to deliver social and economic benefits to the Queensland community in which they work.

The operational boundary has been defined based on an operational control test, in accordance with the principles of the National Greenhouse and Energy Reporting Act 2007. This includes the following locations and facilities:

- Head Office Suite J, 34 Suakin Drive Mosman NSW 2088
- Mt Chalmers Mine Site 213 Cawarral Rd, Tungamull QLD 4702

As QMines grows, it is expected that additional facilities will be included as part of our Carbon Neutral assessment.

The certification covers the Australian operations for QMines Limited including Rocky Copper Pty Ltd, Dynasty Gold Pty Ltd, Traprock Resources Pty Ltd, RLG Holdings Pty Ltd, Hydron Energy Pty Ltd and all wholly owned subsidiaries of QMines incorporated in Australia on 4/08/2020.

QMines is not currently undertaking mining operations. At this point in time QMines is currently in the exploration phase and was not engaged in the development of its assets during the reporting period. The mining operations of QMines will be covered in the emission boundary when the development phase begins.

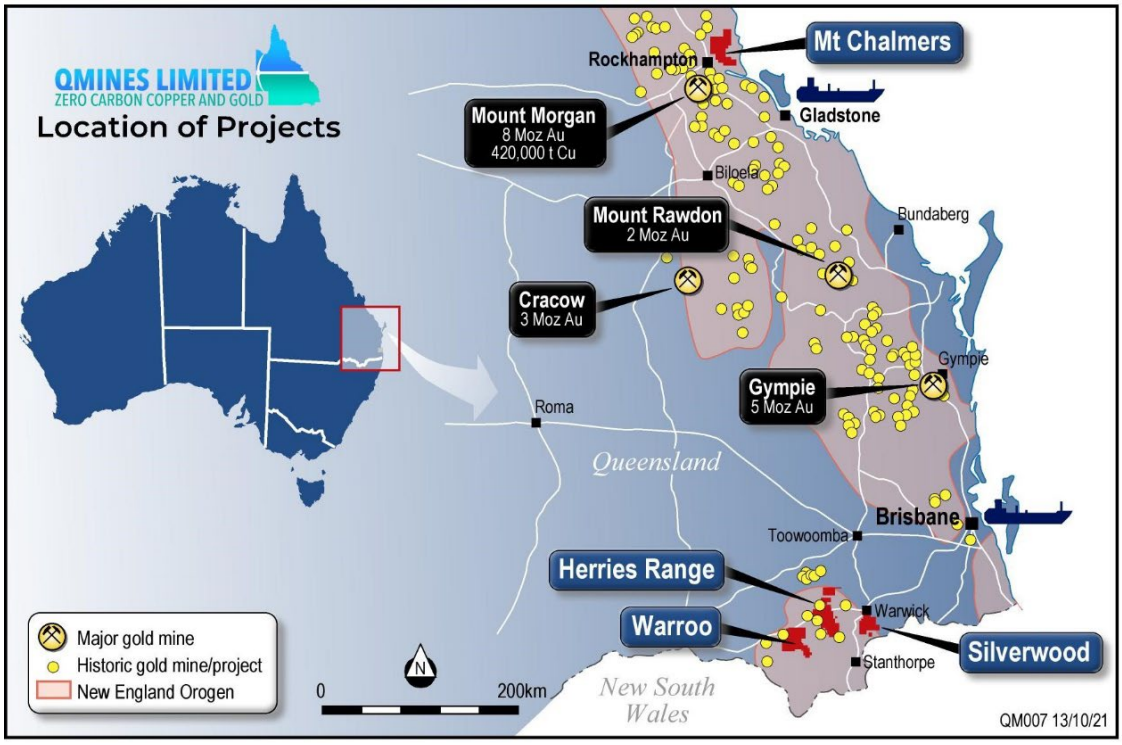


Figure 1 - Map of QMines Projects

3. EMISSIONS BOUNDARY

Inside the Emissions Boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

Quantified emissions have been assessed as relevant and are quantified in the carbon inventory. This may include emissions that are not identified as arising due to the operations of the certified entity, however, are **optionally included**.

Non-quantified emissions have been assessed as relevant and are captured within the emissions boundary but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

Outside the Emissions Boundary

Excluded emissions are those that have been assessed as not relevant to an organisation's or precinct's operations and are outside of its emissions boundary or are outside of the scope of the certification. These emissions are not part of the carbon neutral claim. Further detail is available at Appendix D.

Inside Emissions Boundary

Quantified

Electricity
Base Building Electricity
Telecommunications
Water & Sewage
IT Equipment
Newspapers
Textiles
Office Furniture
Employee Commute
Business Flights
Transport Fuels
Stationary Fuels
Cleaning Services
Food & Catering
Postage
Couriers
Printing & Stationery
Accommodation - Domestic
Advertising
Taxis & Ride Sharing
Car Hire
Freight
Waste – Landfill
Water
Working from Home
Professional Services
Machinery and equipment
Wastewater treatment onsite

Non-Quantified

N/A

Outside Emission Boundary

Excluded

N/A

Data Management Plan for Non-Quantified Sources

There are no non-quantified sources in the emission boundary that require a data management plan.

4.EMISSIONS REDUCTIONS

Emissions Reduction Strategy

Since incorporating, QMines has had the goal of operating in a Carbon neutral capacity. In August 2021, QMines purchased a property containing a small-scale renewable generation system used to power onsite accommodation that consisted of:

- 1kW wind turbine
- ~1.5kWp solar PV array
- 60-amp battery bank
- 11kVA back-up diesel generator (to date, this has only received minimal usage)

More recently, this was upgraded to include an additional 6.6kWp solar PV and 17.75kWh of battery storage. Combined, this system means that QMines site operations are currently operating without any need for connection to the national electricity grid. We estimate that our system has produced over 2MWh of renewable electricity.

QMines is actively investigating additional options to decarbonise our operations as we expand into the development of our Mt Chalmers mine. Some of the options we are considering include:

"Since inception QMines has aimed to become Australia's first zero carbon copper and gold developer. We are leading the mining and metals industry in the global transition to a low carbon economy. The Company have committed to achieving net zero by 2030 and we are acting now to achieve this."

- 100% green hydrogen utilising onsite renewable electricity production, an electrolyser, and onsite water;
- Procurement of renewable fuel for our mining fleet, Utes and generators;
- Procurement of renewable electricity for grid connected assets, most likely via a certified GreenPower provider;
- Installing further renewable solar systems onsite to increase renewable electricity usage;
- Hiring contractors and employees locally to decrease travel emissions whilst delivering social and economic benefits to the region;
- Ongoing research into technological innovations that minimise emissions across the business as operations expand;
- Staff training and engagement to minimise energy use and waste production across the business;
- Looking at leasing high performing NABERS rating tenancies; and
- Use of electric vehicles, drill rigs and other equipment as they become available.

Further to this, QMines has committed to the below roadmap by 2030 including:

- The use of 100% renewable electricity;
- Phase out of fossil fuels usage;
- Minimum 50% local procurement;
- Organisational integrity through rigorous governance;
- Collaborate with supply chain towards net zero; and
- Develop projects that deliver a “green” copper and gold product.

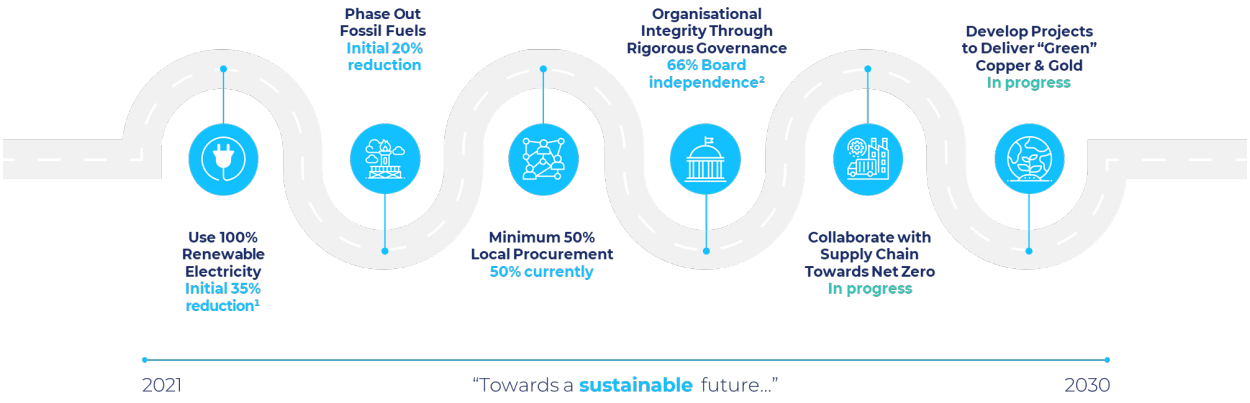


Figure 2 – QMines ESG Roadmap

5.EMISSIONS SUMMARY

Use of Climate Active Carbon Neutral Products and Services

No Climate Active carbon neutral products or services were used.

Organisation Emissions Summary

The electricity summary is available in Appendix B. Electricity emissions were calculated using a market-based approach.

Emission Category	Total Emissions (tCO_2-e)
Accommodation and facilities	3.94
Air Transport (km)	4.82
Bespoke Waste	0.61
Cleaning and Chemicals	0.02
Construction Materials and Services	3.09
Electricity	8.15
Food	6.88
ICT services and equipment	20.13
Land and Sea Transport (fuel)	15.84
Land and Sea Transport (km)	1.61
Machinery and vehicles	29.61
Office equipment & supplies	12.51
Postage, courier, and freight	0.10
Products	0.42
Professional Services	496.45
Stationary Energy	24.50
Waste	8.02
Water	0.18
Working from home	0.06
Total:	**636.94**

Uplift factors

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An uplift factor is an upwards adjustment to the total carbon inventory to account for relevant emissions, which can't be reasonably quantified or estimated. This conservative accounting approach helps ensure the integrity of the carbon neutral claim.

Reason for uplift factor	tCO_2-e
N/A	
Total footprint to offset (uplift factors + net emissions)	N/A

6. CARBON OFFSETS

Offsets Strategy

Offset Purchasing Strategy: In Arrears		
1.	Total offsets previously forward purchased and banked for this report	0
2.	Total emissions liability to offset for this report	637
3.	Net offset balance for this reporting period	637
4.	Total offsets to be forward purchased to offset the next reporting period	0
5.	Total offsets required for this report	637

Co-Benefits

In establishing ourselves as a one of the leading carbon neutral copper and gold developers in Australia, QMines has sought out high quality emissions offsets in the form of ACCUs. In line with our corporate social responsibility, we have aligned the purchase of offsets to have co-benefits within the region that we operate (namely Queensland). As such, we have purchased offsets from the Thaa-Nguigarr Carbon Project, which involves strategic and planned burning of savanna areas in the high rainfall zone during the early dry season to reduce the risk of late dry season wildfires. Some of the potential co-benefits for this project include:

- Cultural benefits, through the use of traditional knowledge that is passed down to younger generations and providing economic opportunities for the local indigenous community.
- Farming benefits, with the potential to improve pastoral productivity by stimulating grass regrowth
- Property protection, through the reduction in wildfire intensity leading to a decrease in the threat level for property, livestock, and local infrastructure.

100% of the carbon abatement offsets have been purchased from the Thaa-Nguigarr Carbon Project.

Offsets Summary

Proof of Cancellation of Offset Units

Offsets Cancelled for Climate Active Carbon Neutral Certification										
Project description	**Type of offset units**	**Registry**	**Date retired**	**Serial number (and hyperlink to registry transaction record)**	**Vintage**	**Eligible quantity (tCO_2-e)**	**Quantity used for previous reporting periods**	**Quantity banked for future reporting periods**	**Quantity used for this reporting period claim**	**Percentage of total (%)**
Savanna Fire management, Thaa-Nguigarr Carbon Project, Qld	ACCUs	ANREU	19 Nov 2021	8,329,893,755 - 8,329,894,392 See transaction below	2021-22	638	0	0	637	100%
Total offsets retired this report and used in this report									637	
Total offsets retired this report and banked for future reports								1		

Type of offset units	**Quantity (used for this reporting period claim)**	**Percentage of total**
Australian Carbon Credit Units (ACCUs)	637	100%

Australian
National Registry
of Emissions Units

- ANREU Home
- Account Holders
- Accounts
- Unit Position Summary
- Projects
- Transaction Log
- CER Notifications
- Public Reports
- My Profile

Transaction Details

Transaction details appear below.

Transaction ID	AU20355
Current Status	Completed (4)
Status Date	19/11/2021 07:31:24 (AEDT) 18/11/2021 20:31:24 (GMT)
Transaction Type	Cancellation (4)
Transaction Initiator	Baz, Julie
Transaction Approver	Wyatt, Gary Mark
Comment	Retired on behalf of QMines Ltd to meet their carbon neutral obligations for Climate Active for 2021/2022

Transferring Account

Account Number	AU-1291
Account Name	Corporate Carbon Advisory Pty Ltd
Account Holder	Corporate Carbon Advisory Pty Ltd

Acquiring Account

Account Number	AU-1068
Account Name	Australia Voluntary Cancellation Account
Account Holder	Commonwealth of Australia

Transaction Blocks

Party	Type	Transaction Type	Original CP	Current CP	ERF Project ID	NGER Facility ID	NGER Facility Name	Safeguard	Kyoto Project #	Vintage	Expiry Date	Serial Range	Quantity
AU	KACCU	Voluntary ACCU Cancellation			ERF109636					2021-22		8,329,893,755 - 8,329,894,392	638

Transaction Status History

Status Date	Status Code
19/11/2021 07:31:24 (AEDT) 18/11/2021 20:31:24 (GMT)	Completed (4)
19/11/2021 07:31:24 (AEDT) 18/11/2021 20:31:24 (GMT)	Proposed (1)
19/11/2021 07:31:24 (AEDT) 18/11/2021 20:31:24 (GMT)	Account Holder Approved (97)
18/11/2021 17:37:04 (AEDT) 18/11/2021 06:37:04 (GMT)	Awaiting Account Holder Approval (95)

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

The following RECs have been surrendered to reduce electricity emissions under the market-based reporting method.

1. Large-Scale Generation Certificates (LGCs)*	0
2. Other RECs	0

* LGCs in this table only include those surrendered voluntarily (including through PPA arrangements) and does not include those surrendered in relation to the LRET, GreenPower, and jurisdictional renewables.

Project supported by LGC purchase	Eligible units	Registry	Surrender date	Accreditation code (LGCs)	Certificate serial number	Generation year	Quantity (MWh)	Fuel source	Location
N/A									
				Total LGCs surrendered this report and used in this report			0		

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

QMines has elected to calculate electricity emissions using a market-based approach.

Location-based method

The location-based method provides a picture of a business's electricity emissions in the context of its location, and the emissions intensity of the electricity grid it relies on. It reflects the average emissions intensity of the electricity grid in the location (State) in which energy consumption occurs. The location-based method does not allow for any claims of renewable electricity from grid-imported electricity usage.

Market-Based Method

The market-based method provides a picture of a business's electricity emissions in the context of its renewable energy investments. It reflects the emissions intensity of different electricity products, markets, and investments. It uses a residual mix factor (RMF) to allow for unique claims on the zero emissions attribute of renewables without double counting.

Market-based approach summary

Market-based approach	Activity data (kWh)	Emissions (kgCO2-e)	Renewable % of total
Behind the meter consumption of electricity generated	2,444	0	21%
Total non-grid electricity	**2,444**	**0**	**21%**
LGC purchased and retired (kWh) (including PPAs & Precinct LGCs)	0	0	0%
GreenPower	0	0	0%
Jurisdictional renewables (LGCs retired)	0	0	0%
Jurisdictional renewables (LRET) (applied to ACT grid electricity)	0	0	0%
Large Scale Renewable Energy Target (applied to grid electricity only)	1,773	0	15%
Residual electricity	7,598	8,153	0%
Total grid electricity	**9,371**	**8,153**	**15%**
Total electricity consumed (grid + non grid)	**11,815**	**8,153**	**36%**
Electricity renewables	4,218	0	
Residual electricity	7,598	8,153	
Exported on-site generated electricity	**0**	**0**	
Emission footprint ($kgCO_2$-e)		8,153	

Total renewables (grid and non-grid)	**35.70%**
Mandatory	**15.01%**
Voluntary	**0.00%**
Behind the meter	**20.69%**
Residual electricity emission footprint (tCO_2-e)	**8**

Figures may not sum due to rounding. Renewable percentage can be above 100%

Location-based approach summary

Location-based approach	Activity data (kWh)	Emissions ($kgCO_2$-e)
ACT	0	0
NSW	9,371	8,434
SA	0	0
Vic	0	0
Qld	0	0
NT	0	0
WA	0	0
Tas	0	0
Grid electricity (scope 2 and 3)	**9,371**	**8,434**
ACT	0	0
NSW	0	0
SA	0	0
Vic	0	0
Qld	2,444	0
NT	0	0
WA	0	0
Tas	0	0
Non-grid electricity (behind the meter)	**2,444**	**0**
Total electricity consumed	**11,815**	**8,434**
Emission footprint (tCO_2-e)	**8**	

Climate Active carbon neutral electricity summary

Carbon neutral electricity offset by Climate Active product	Activity data (kWh)	Emissions ($kgCO_2$-e)
N/A	**0**	**0**

Climate Active carbon neutral electricity is not considered renewable electricity. The emissions have been offset by another Climate Active carbon neutral product certification.

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-Quantified Emission Sources

The following sources emissions have been assessed as relevant, are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. These emissions are accounted for through an uplift factor. They have been non-quantified due to one of the following reasons:

1. **Immaterial** <1% for individual items and no more than 5% collectively
2. **Cost effective** Quantification is not cost effective relative to the size of the emission but uplift applied.
3. **Data unavailable** Data is unavailable, but uplift applied. A data management plan must be put in place to provide data within 5 years.
4. **Maintenance** Initial emissions non-quantified but repairs and replacements quantified.

Relevant-non-quantified emission sources	(1) Immaterial	(2) Cost effective (But uplift applied)	(3) Data unavailable (But uplift applied & data plan in place)	(4) Maintenance
N/A				

APPENDIX D: OUTSIDE EMISSIONS BOUNDARY

Excluded Emission Sources

The below emission sources have been assessed as not relevant to an organisation's or precinct's operations and are outside of its emissions boundary. These emissions are not part of the carbon neutral claim. Emission sources considered for relevance must be included within the certification boundary if they meet two of the five relevance criteria. Those which only meet one condition of the relevance test can be excluded from the certification boundary.

Emissions tested for relevance are detailed below against each of the following criteria:

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy, and fuel emissions

2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.

3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.

4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.

5. **Outsourcing** The emissions are from outsourced activities previously undertaken within the organisation's boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing	Included in boundary?
N/A						

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