



# DIGITAL SECURITIES

powered by AI

embedded finance platform



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## INTRODUCTION

Red Matter is a regulated platform for issuing and trading in multi-class, asset backed digital securities, utilizing Blockchain smart contracts to execute and settle transactions without the need for back-office, legacy systems.

Red Matter enables investors to easily trade in public (US Equities, Bonds, ETFs, Commodities) and private securities (a company's shares, account receivables, property, contracts) as tokenized assets held under custody.

A **white label version** of the platform is made available to asset managers, broker-dealers and fin-tech companies in the web3 space to list and sell public and private securities under their own brand, utilizing Red Matter's regulatory license or their own license issued in their registered domicile.

Additionally, approved platform subscribers are able to create their own structured financial products such as sovereign bonds, crypto ETFs and funds to disrupt an institutional market by tokenizing and fractionalizing real world assets that have high liquidity. A REPO lending margin on bonds is available through the RMC Digital REPO Desk for investors to obtain high yields on invested capital.

A mobile app to be launched by the end of August 2022 with integration points to major crypto wallets, card processors and exchanges will allow people in developing countries to create portfolios of fractionalized, real-world assets, as a hedge against local currency debasement and crypto volatility.

There are 2 modules that make up the platform and white label and which can be taken separately or in combination:

- AI Personal Financial Advisor
- RMC Trade Platform

## RED MATTER TRADE PLATFORM

### ADMIN CONSOLE

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The admin console is the 'back-end' platform application that controls operational activities on the platform including managing the blockchain and smart contracts, issuer and investor onboarding, listing of private and public securities, trading activities and payments.

<b>Polygon Blockchain</b>	Polygon multi-chain blockchain, ETH compatible Blockchain networks: TRON, Polygon, Litecoin
<b>Cloud DB</b>	AWS nodes, Amazon EC2 AWS Systems Manager,
<b>Public Securities</b>	Data feeds to major exchanges Account with US FINRA brokers, clearing agents Deploy listed public securities (equities, bonds, ETFs) on platform
<b>Private Assets</b>	White-list projects Compliance on investment offers Proof of asset protocol with validator signatures
<b>RMC Decentralized Exchange</b>	Staking: list security tokens on liquidity pools smart contracts Swap transactions: security tokens exchanged for stable coin Redeem security tokens on major exchange
<b>Structured products</b>	Create, list, manage spot crypto ETFs Create, list, manage bonds Digital REPO desk for leveraged trading Mutual Fund (actively or passively managed)
<b>Smart contact deployment</b>	ERC 20 token issuance Token distribution management Smart contract management controls
<b>Account payments, settlements</b>	Smart contract treasury operations Investor sub-accounts, crypto exchange API's Multi-currency payment gateway On-off fiat-crypto rails

Credit, Debit card payments in 132 countries  
Fiat transfers (SWIFT, SEPA)









Real time data feeds (public securities, crypto exchanges)  
Buy-Sell order execution over Blockchain and Exchange API's  
Proxy wallet address for orders paid with crypto  
Off-chain data oracle

## Trade execution

## Financial Securities

[Add Crypto ETF](#)

[Add Bond Repo](#)

	Name / Ticker	Type	Amount Issued	
	CrowdStrike Holdings Inc Class A CRWD	Stocks	2	<a href="#">Manage RMC Token</a> <a href="#">Manage BEP20 Token</a>
	Croatia REPO Bond REPO-CR-1	BondRepoETFs	3,002	<a href="#">Edit</a> <a href="#">Price Input</a> <a href="#">Manage RMC Token</a> <a href="#">Manage BEP20 Token</a>
	Global X Lithium & Battery Tech ETF LIT	ETFs	3	<a href="#">Manage RMC Token</a> <a href="#">Manage BEP20 Token</a>
	ARK Fintech Innovation ETF ARKF	ETFs	2	<a href="#">Manage RMC Token</a> <a href="#">Manage BEP20 Token</a>
	GLOBAL X DAX GERMANY ETF DAX	98	(not deployed)	<a href="#">Manage RMC Token</a>
	ARK Autonomous Technology & Robotics ETF ARKQ	ETFs	1	<a href="#">Manage RMC Token</a> <a href="#">Manage BEP20 Token</a>
	Tencent Music Entertainment Group ADR TME	Stocks	3	<a href="#">Manage RMC Token</a> <a href="#">Manage BEP20 Token</a>
	Capital Link NextGen Protocol ETF KOIN	ETFs	2	<a href="#">Manage RMC Token</a> <a href="#">Manage BEP20 Token</a>

## ISSUER ACCOUNT

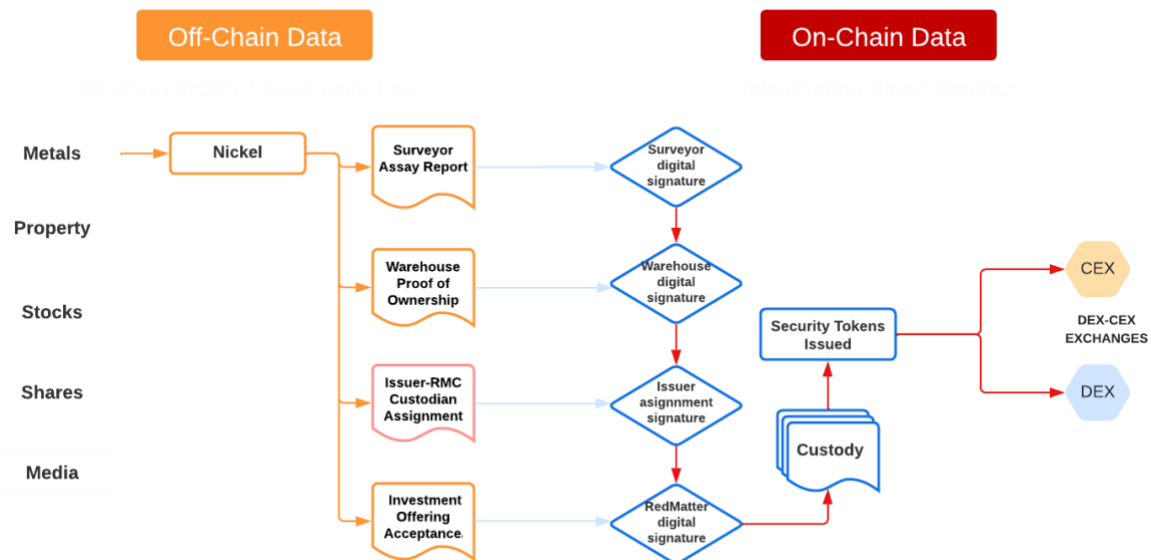
The issuer account manages the listing of projects which have been approved and allowed to publish their investment offers on the platform in the form of tokenized securities.

The issuer onboarding provides a set of content templates based on the type of project and asset that they are seeking to tokenize. Depending on the asset type selected, a smart contract is deployed for the issuer along with a unique token with price set by parameters inputted by the issuer (currency, token price unit, number of token units for sale etc.).

The issuer approval process is split into 2 parts:

1. Project content: information on the project and team
2. Investment offer: the asset that is being tokenized and documentation provided via a Proof of Asset protocol

### Proof of Asset Protocol



Both parts involve an admin console approval prior to the project being approved for publishing and token sale.

The token issue is an ERC 20 token that can be listed on both the platform exchange as well as on a DEX market like Pancake Swap as a BEP 20 token that is pegged 1 to 1 with the ERC 20.

For more detailed information please [view here](#) . The table below provides a key functionality overview of the issuer module.

#### Project Listing

- Project content templates by project type
- KYC, KYP approval process
- Proof of Asset protocol workflow
- Investment offer publishing approval

## Legal, regulatory

White-listing, subscription agreement  
Securities issued under regulatory license of Red Matter Capital

## Tokenized financial instruments

Shares  
Property  
Inventory  
Royalties  
Revenues  
Fixed interest/convertible bond

## Token exchange listing

Smart contract libraries and templates per asset type  
Security token symbol  
Token pricing model, unit price of asset/per token  
Number of tokens issued, default token currency  
Tokens listed for purchase on primary and secondary (DEX) exchanges

## Financial dashboard

Investor purchase records  
Fund raise tracking by project and asset  
Wallet reward tokens issued and redeemed

Projects Financial Marketing Rewards

### My Wallet

#### Reward Tokens

**98,480 BLCKX**

#### Security Tokens

Project	Token	Total	Sold	Remaining
Block23	BLC.EQ	4,800,000	2,505,405.19526711	2,294,594.80473289
Block23	BLC.CN	1,000,000	100,000	900,000

### My Financing

#### Offers

Any  Revenue Share  Equity  Debt  Asset Token

Equity  
**Block23**  
Published and Listed  
**EUR 4,800,000**  
Funding Amount  
**2,505,405.19526711 BLC.EQ**  
Tokens Funded  
**52.2%**

Debt  
**Block23**  
Published and Listed  
**EUR 1,000,000**  
Funding Amount  
**100,000 BLC.CN**  
Tokens Funded  
**10%**

## Marketing

- Utility reward token issuance
- News channel for followers
- Social media postings
- Events management
- Prizes, lotteries
- Token rewards earned by investor support actions
- Vouchers created, priced by earned tokens
- Discussion boards

## INVESTOR ACCOUNT

Investors are able to purchase regulated securities, either public or privately and that are listed on the platform's exchange.

Additionally, security tokens can be staked as a BEP 20 synthetic, pegged 1 to 1 with the security token. Because the BEP 20 synthetic is fully backed by the security token asset, the synthetic tokens are protected against speculative devaluation as the tokens can be swapped back to the security token at any time.

For private assets, listing on a DEX market creates liquidity and additional yield for investors.

For more detailed information please [view here](#). The table below provides a key functionality overview of the issuer module.

<b>Trade public securities</b>	<ul style="list-style-type: none"><li>Buy-sell US-EU publicly listed securities</li><li>Security token distribution by number of shares purchased</li><li>Token confirmation as beneficial ownership of shares</li><li>No pre-funding of account required</li><li>Trades settled over Blockchain smart contract when paying in crypto</li><li>Trade stocks on DEX markets for additional yield</li></ul>
<b>Trade private assets</b>	<ul style="list-style-type: none"><li>Follow projects: get news channel, discussions, rewards</li><li>Invest in listed pre-ipo companies</li><li>Trade private assets on platform's exchange</li><li>Purchase fractional ownership of assets (e.g. property, commodities)</li><li>Trade assets on DEX markets for additional yield</li></ul>
<b>Financial dashboard</b>	<ul style="list-style-type: none"><li>Portfolio management tools and analytics</li><li>Trade order status and confirmations</li><li>Wallet deposits and withdrawals</li></ul>

## AI Advisor

AI personalized advisor for investment decisions (see below)

Portfolio AI analysis and recommendations

Individual financial product analysis

Desktop and mobile app synched

In-app integration with Trust Wallet, Meta Mask

Trade private assets and public securities

## Mobile App

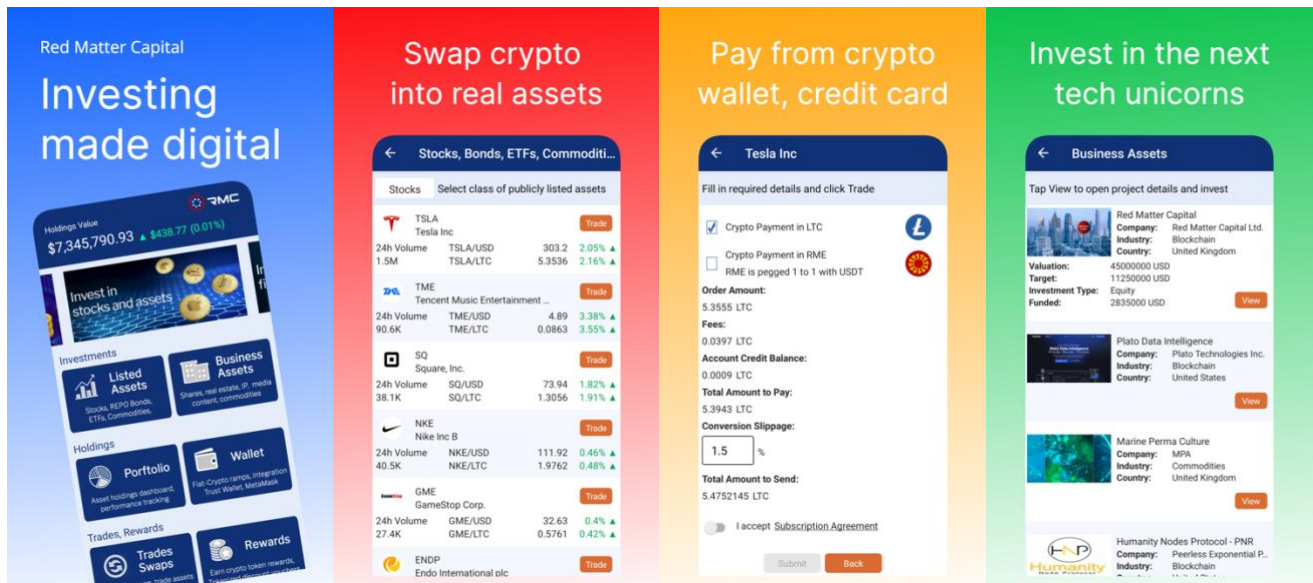
Dashboard, order tracking, portfolio management

Biometric log-in, 2FA

Alert notifications, user profile settings

Reward offers, vouchers

Wallet: cash account, crypto tokens, reward tokens



## PERSONAL AI FINANCIAL ADVISOR

The AI (Artificial Intelligence) Personal Financial Advisor is chat bot application specifically designed to provide personalized financial advice to individuals on their investment choices and strategies. It utilizes a large language model (LLM) and real time data to provide market insights, enabling optimized financial portfolios and making investment guidance accessible to everyone.

The screenshot displays the AI Financial Advisor interface. At the top, a dark blue navigation bar contains the following menu items: AI ADVISOR, MARKET INSIGHTS, FAQs, FORUM, SUPPORT, and CONTACT. The main content area is divided into two sections. On the left is a dark blue sidebar titled 'Get Started Chats' with categories: Basics (Asset Classes and Products, Bonds, ETFs, Stocks, Investment Portfolio), Discovering (High Dividend Stocks, ETFs, Top Growth Stocks, ETFs, Screen High Yield Corp. Bonds), and Investing (Top ETFs by Analyst Ratings, Top Stocks by Analyst Ratings, Low-High Risk Portfolio). Below this is a 'Your Chats' section with a list of recent chat topics, including 'top dividend stock yielding more ...' and several instances of 'apple stock forecast for 2024'. The main chat area on the right features a light blue background. At the top, it says 'Looking to understand the basics? Seeking advanced strategies? Let me help.' and 'Use the Get Started Chats or ask your own question on how to invest and build a portfolio.' A yellow bubble contains the user's question: 'You: apple stock forecast for 2024 with chart'. A light green bubble contains the AI's response: 'AI: Sure, here is the Apple stock forecast for 2024 with a chart and relevant images:'. This response includes a table titled 'Apple Stock Forecast for 2024' with columns for Date, Price Target, and Change. Below the table, it lists 'Average Price Target: \$203.70', 'Analysts' Sentiment: Bullish', and 'Key Factors Driving the Forecast:' which includes a bullet point: 'Strong iPhone sales are expected to continue in 2024, driven by new iPhone models and strong demand in emerging markets.' At the bottom of the AI response, there is an image of an iPhone.

AI ADVISOR MARKET INSIGHTS FAQs FORUM SUPPORT CONTACT

Looking to understand the basics? Seeking advanced strategies? Let me help.  
Use the Get Started Chats or ask your own question on how to invest and build a portfolio.

**You:**  
apple stock forecast for 2024 with chart

**AI:**  
Sure, here is the Apple stock forecast for 2024 with a chart and relevant images:

**Apple Stock Forecast for 2024**

Date	Price Target	Change
Today	\$198.40	
End of 2024	\$203.70	2.9%
High	\$250	25.4%
Low	\$167	-16.3%

**Average Price Target:** \$203.70

**Analysts' Sentiment:** Bullish

**Key Factors Driving the Forecast:**

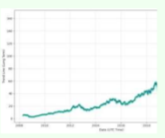
- Strong iPhone sales are expected to continue in 2024, driven by new iPhone models and strong demand in emerging markets.

The AI Financial Advisor can be a purely stand-alone application or be taken with the Trade Platform in order for the Advisor to give suggestions on the investor's current portfolio allocation.



Importantly, AI gives links to pages to financial products that are suggested in the AI response, providing a strong motivation to look at more information with an option to click to Buy. With this level of integration, the AI directly helps to generate trade revenues for the platform operator.

**AI:**  
 Apple's stock price (AAPL) closed at \$174.79 on December 7, 2023. Analysts expect the company's earnings to grow by 9% in 2024, and its stock price to reach \$208.50 by October 2024. The forecast for the end of 2024 is more optimistic, with a potential high of \$240. However, it is important to note that stock prices can be volatile, and there is no guarantee that Apple's stock will follow any of these forecasts.




Here is a json-formatted string for the mentioned securities:

**TRADE:** AAPL

Ask a question like: "If I invested \$100k in Apple last year, what would I have earned?"

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**AAPL**  **\$ 192.69** ▼ -0.75(-0.39%)

APPLE INC  
 Country:United States  
<https://www.apple.com/>  
 Exchange:NASDAQ.NMS

Last Close: **193.42 USD**  
 Change: **0.26 USD**  
 24H Volume: **52.9K**

**Summary**

Shares Outstanding: **15552.75K**

Market Capitalization: **2,993.6B USD**

P/E: **0.988**

Sales per Share: **24.2386**

Net Margin: **0.2531**


**Dividend**

Prev. Yield: **3.2%**

Est. Yield: **0.5%**

Ex Div Date: **Feb09'24**

**Profile**



Time Frame: **1D** 5D 1M 6M YTD 1Y

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**Trade**

[View how trading fees are calculated](#)

1. Order Type

BUY

SELL

2. Order Quantity

3. Limit Price

4. Time in Force

Select the order type

**NOTIFICATION:**

Red Matter Capital does not offer advisory services. None of the content in this presentation constitutes recommendations or investment advice. Past performance, whether actual or indicated by historical tests of strategies, is no guarantee of future performance or success. There is a possibility that an investor may sustain a loss equal to or greater than your entire investment regardless of which asset class you trade (stocks, ETFs, commodities, investments in Pre-IPO companies, synthetics on Decentralized Exchanges); therefore, investors should not invest or risk money that they cannot afford to lose. Online trading is not suitable for all investors. Before trading any asset class, customers must read and accept [the terms of subscribing and trading](#) on the Red Matter platform. System access and trade placement and execution may be delayed or fail due to market volatility and volume, quote delays, system and software errors, Internet traffic, outages and other factors.



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