

CentArrow Systems

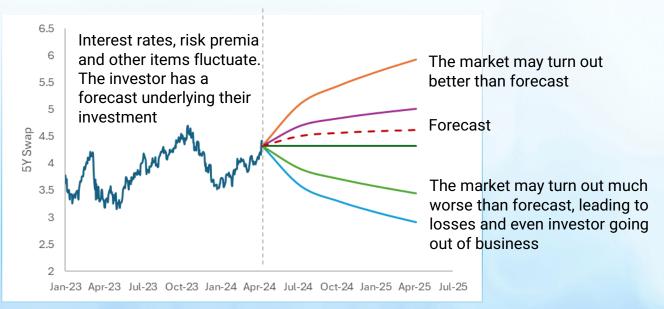


Al and big data driven financial risk management for small and medium investors

Financial (Market) Risk in Investing

Investors need to generate returns, but also manage their financial risk

Must account for the case where the markets move against them



Investors get rated on risk weighted performance (Sharpe Ratio etc), not just performance

Controlling financial risk and tail events is crucial to investors ability to retain their clients and continue operating



Fixed income investors Lack risk management tools

Fixed Income Investors are directly affected by macro variables, more than equity investors



Recent Example - SVB Fails

In 2016

Credit risk premiums move up and then come back. Rate curves flattened. Long term bonds became less profitable, and funding costs rose.

In 2018

The rate curve flipped. Another blip in spreads. Carry trades don't work. Funding is better on long term.

In 2020

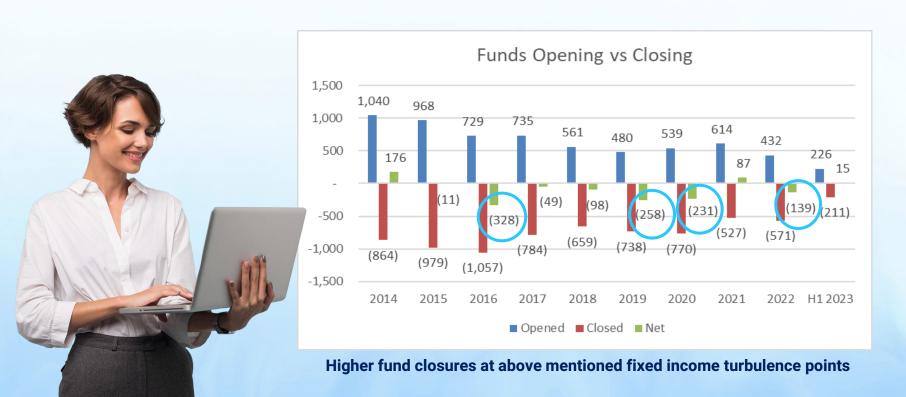
Covid crisis. Rates drop massively and the curve straightens again.

In 2022

Due to inflation, rates rose quickly and the curve inverted strongly.



Suboptimal Risk Management Leads to Net Fund Closures





Flows to Mid Sized Funds Are Negative on Most Years





^{*} Source - HFR Quarterly hedge fund review Q32023. Excluding funds with >\$5bn AUM

What do Investors do? Risk Management By Available Means



Really Large Investors:

- Build multi-million \$ risk management systems
- Create Risk Management Departments with designated professionals, costing \$millions



Large Investors:

- Buy risk management systems costing \$200k-\$mm per year
- Have small groups of quants and risk professionals, costing ~\$m



Small to Medium Investors:

- Load durations from Bloomberg. Put into an excel



CentArrow platform: Small and mid sized risk management tool



Advanced AI, Data Driven Analytics



Simple to Use, based on Sophisticated Analytics

Add On

Add Ons

Basic

Execution Services

Optimal Hedging

Relative Values

Portfolio Optimization Capital Optimization

Sophisticated Risk Management

Giving small and medium sized investor firms the risk management tools of large corporates.

Technology



- Technology Readiness Level
 TRL6/TRL7 based on client demos performed
- AWS Cloud based calculations async allowing for quick analytics for Client data
- Confidentiality
 Calculations are done per asset on our cloud models but are oblivious to the identity of the client and to the size of the portfolio. This allows us to maintain client confidentiality
- Advanced AI for Simulation and Sensitivity Analytics
 require significant quantitative and product know how and are difficult to replicate

Creating such a platform requires a team with a rare interdisciplinary blend of technical, analytical and financial experience.



Team



Adi Shafir Founder and CEO

Adi is a quant with15+ years experience heading quant teams in tier 1 investment banks in London



Dimitri Offengenden

Founder and Board Member

Dimitri is a veteran quant with 30 years experience as a Managing Director on Wall Street



Goldman Sachs





Morgan Stanley





Alon Ein Eli Quant

Alon has experience as an algorithmic trader and analyst at Barak Capital.





CMO

TBD

Chief Marketing Officer will be hired using funds from the capital raise.



What Makes Our System Special

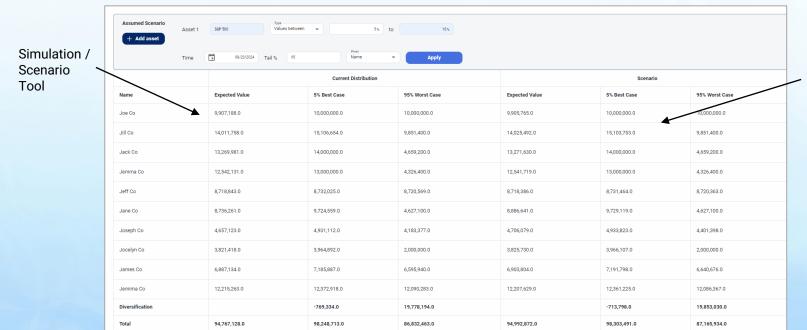
For Risk





What Makes Our System Special

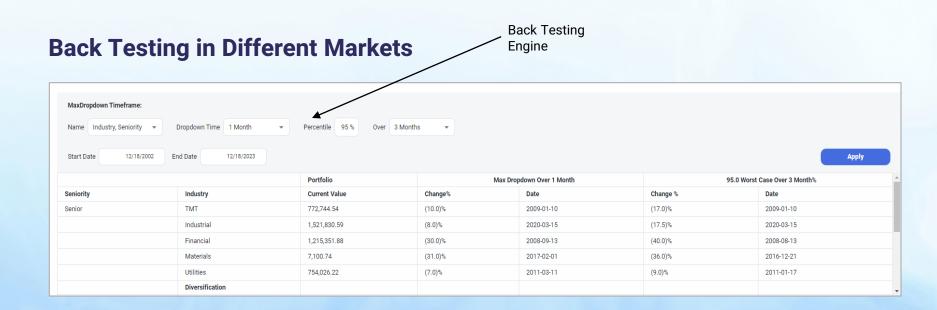
Future Scenarios



Economic Scenario Overlay

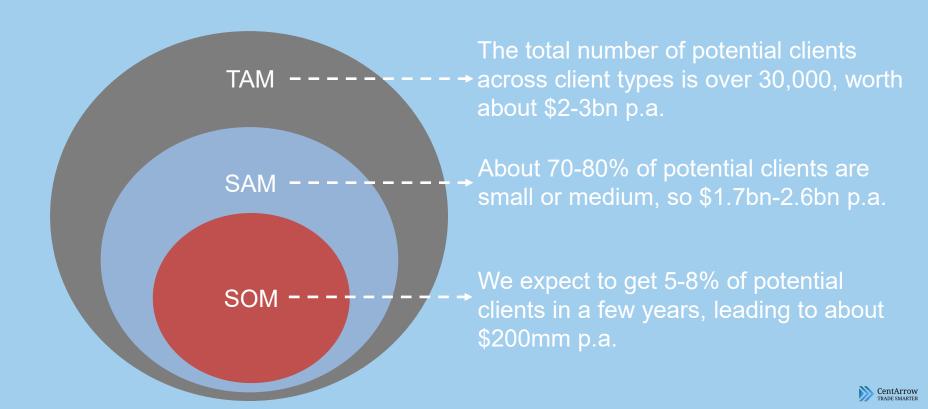


What Makes Our System Special





The Market Size Global – US Market Is First Stage



The Small and Mid Sized Fixed Income Market

1. Target Customers:



- **2. TAM for the basic product** is 27,600 clients.
- **3. Market Size** at our pricing market total revenue is between \$2bn-\$3bn per year



Business Model

B2B Platform and API

Software as a Service Model

Basic Package for Risk

- Add Ons for Optimization and Analytics
- Execution



GTM Strategy

- Target Audience Smaller funds, banks and insurance companies.
- Clients saw recent market turmoil and know that they need better RM
- Connections
- Targeted Marketing (LinkedIn)
- Content Marketing
- Resellers





GTM Strategy – Packages and Pricing

Risk Package-H1 24:

Pricing: \$60k p.a.

- Analytics and Risk Engine
- Basic Package

Annual Revenue to CentArrow in 10Y - 50mm

Add Ons / Optimization Packages - H1 25:

Pricing: \$30k p.a.

- Quant portfolio, RV, Hedging, Capital
- Sold to a subset of Package 1 clients

Annual Revenue to CentArrow in 10Y – 10-50 mm

Execution Package – H1 26:

Pricing per Volume

- Allowing to act on the items found in previous packages
- Click to Trade

Annual Revenue to CentArrow in 10Y – 50 mm



Competitive Landscape

Simple to Use





- 1. Competitive pricing
- 2. Intuitive use
- 3. No steep learning curve or maintenance required
- 4. Key-in-hand solution

IBM Risk 1
Coremont
FinCAD

- Higher price tag
- 2. More comprehensive solution (eg. Compliance, Operations etc)
- 3. Client target is large institutions

Yieldbook

1. Higher price tag

Beacon

- Higher price tag
- 2. Provide a developer framework
- 3. Requires quants

Build Your own Software

Cost



CentArrow offers a reasonably priced solution for small and medium Investors with all relevant functionality.



Milestones / Roadmap

| Item | 2023 | 2024 | 2025 | 2026 | |
|------------------------|-----------------------------|-----------------------------|--|----------------------|--|
| New Product Release | 80% Done on Risk Package | MVP Release Risk Package | Revenue and Optimization Package | Execution Package | |
| Trials | | 20-30 | 50-100 | 100 | |
| Additional Clients | | 2-5 | 10-25 | 50-100 | |
| Profitability | | Loss | Loss or Breakeven | 30% Margin | |



Growth strategy

YEAR 1

OBJECTIVE: Initial client acquisition

KPI TARGET: 2-5 signed clients (10-15% conversion rate)

STRATEGY: personal and professional networks

LOCATION: mostly US

CLIENT FOCUS: Fintechs, Funds

WORTH NOTING: 2 fintech clients already taking some of the analyses and serving as design partners

The expectation is at least one of them will be converted into a contractual agreement soon

YEAR 2

OBJECTIVE: Build a sustainable pipeline

KPI TARGET: 10-25 signed clients (20-25% conversion rate)

STRATEGY: focus on resellers and distributors

LOCATION: mostly US

CLIENT FOCUS: Regional Banks, Insurances

WORTH NOTING: In the process of selecting the best partners

YEAR 3

OBJECTIVE: International expansion and brand awareness

KPI TARGET: 50-100 signed clients (50-80% conversion rate)

STRATEGY: online and live marketing and events

LOCATION: US, UK, EU, EMs

CLIENT FOCUS: Fintechs, Funds, Regional Banks, Insurances



Financials Projections

| Activity (\$k) | 2023 | 2024 | 2025 | 2026 | 2027 |
|--------------------------|-----------------|---------------|-------------|------------|--------------------------|
| | | | | | |
| Revenue | 576(Consulting) | 300 (Product) | 1055 | 5,399 | 10,769 |
| COGS | 462 | 732 | 1460 | 2320 | 3967 |
| SG&A | 42 | 245 | 510 | 1178 | 1899 |
| EBITDA | 72 | -678 | -915 | 1900 | 5459 |
| Net income | 88 | -613 | -814 | 1580 | 4333 |
| IRR | | | | | 22% (2027) 84% (2033) |
| EV/Revenues EV/EBITDA | 4.6 37.2 | 14.3 -6.3 | 7.5 -8.7 | 2.5 7.1 | 1.6 3.4 |



Fundraising

Raising \$600,000 seed round to reach MVP after 6 Months.

- Current Valuation at \$2.5mm pre-money, consistent with a 409A valuation performed recently
- The equity giveaway for the total amount is 19,35%
- Investors above \$100,000 will be investing directly, while smaller ones will have the opportunity to be pooled within a vehicle setup for the purpose

Key assumptions

- The MVP will be with all Stage 1 developments operational
- We will have 1-5 trial clients working with our software by MVP. We intend to get
 30 more during the year
- We expect 2-5 paying clients by the end of the year

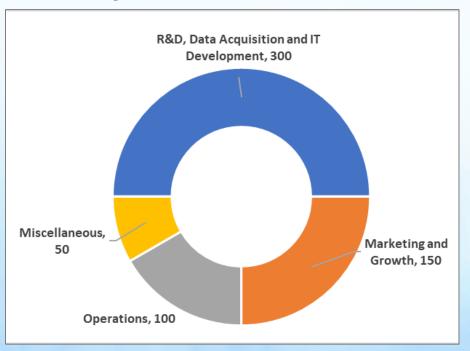


Use of Funds

Key highlights

- Data cost: \$150k
 - Non-sensitive TRACEeligible market data for actual trades
 - Used to expand historical analysis of additional 10+ years
- IT development cost: \$100k
 - Building the UI
- Marketing/growth cost: \$150k
 - Building a sales funnel through distribution and reseller channels

Planned spend in 6-12 months







CentArrow – Trade Smarter

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