Minerva *Indices*

A Financial Risk Sensing Platform

Algorithmic Insights
Applied to Portfolio Risk

Protect portfolio value through early insight and pre-emptive action on emerging risks and increased financial exposure

Two Problems to Solve…

1. ***The "Lack of Transparency" Problem***: *"We are often exposed by lack of visibility into the "faint signals" that could impact our portfolio value"*
2. ***The "Risk Exposure Surprise" Problem***: *"Surprises are never good. They create credit and portfolio risk… which is why we are always looking for new methods to reduce surprises… [and therefore] monetize our risk capital more effectively."*

…and One Opportunity to Exploit:

The "Find a Theme and Drive a Market Around It" Opportunity: *"We are always looking to find new ways to identify emerging themes to exploit or new assets to acquire…"*

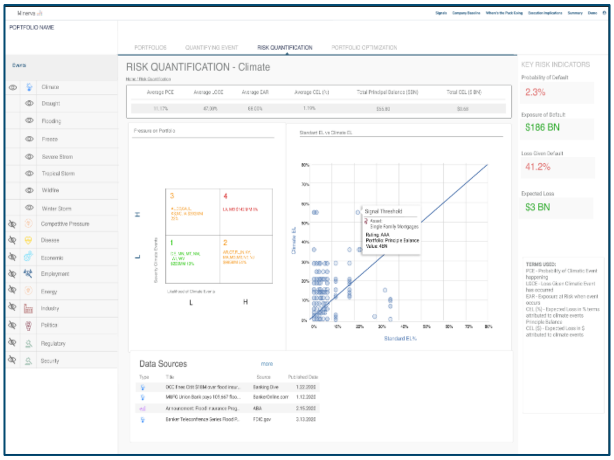
Algorithmically monitored indices, powered by machine learning and predictive modeling.

Indices – like the S&P 500, Moody's Credit Ratings and so many others – are important mechanisms to "make sense" of and simplify the complexity of enormous amounts of data.

They are also instruments both to create and to protect value.

Which is where Minerva Indices come in.

- Model differences between regulatory capital required and needed
- Understand credit (or overall portfolio) risk on different portfolio assets as a result of different types of events occurring
- Identify emerging themes around which to drive markets and/or acquire assets – ahead of competitors
- Dynamically monitor changing risk profiles and resulting financial exposures



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877.717.7476

info@clearprism.com

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