PRODUCT NAME: Agrud Indicators

PRODUCT KEY FEATURES:
- US + Non-US market data
- Over 1 Million Indicators
- ETF Data
- Historical Data
- Flexible Delivery Methods

Addressing Shortfalls In Current Solutions

Complex problems require elegant solutions. Inspired by acknowledging insufficiencies in current global market data methods, Agrud is addressing recurring pain-points for the industry that stand at the forefront of financial markets with a purpose-built data solution. The modern world contains an ever-increasing quantity and variety of financial information. Without comparatively modern systems to assimilate, organize and deliver this information, businesses risk allowing value, latent in the data, going unutilized.

This abundance of information presents those wishing to understand it with a number of problems. How to integrate hugely diverse data-types into one efficient database? How to provide access to the most useful market data products without resorting to monstrously steep price tags? How to package this mass of utility in a way which can be used intuitively by a client? Agrud solves these problems, among many more, with the 'Agrud Indicators' system.

The diagram shows "AGRUD INDICATORS" at the center connected to six surrounding circles:

- **Historical price for 20 years**, **INDEX Creation**, **Analytics**
- Catering To The Needs And Pain Areas Of The Financial Markets
- **Fundamentals**: MBITA Margin, Equity Ratio, PE, PB ROE etc.
- **Technicals**: Bollinger Bands, RSI, MACD, Fibonacci etc.
- Covering Over 1 Million Indicators And Counting
- **News & Social Media**: Positive Sentiment, Negative Sentiment, Neutral Sentiment etc.

A Holistic Data Management Method

Forming a complete picture of a market environment requires the ability to gather information from all of the most important places. Our clients need constant access to up-to-the-minute updates on market movements in many thousands of places all over the world. Agrud is continually adding more items to a list already numbering over one million 'Indicators'. Our insights are used by over sixteen thousand investment professionals around the world, and by applying machine learning techniques to our service we are able to regularly refine and improve upon the specificity of the content we provide.

It is a system by which many forms of information are able to be digested and interpreted continuously, as well as a system which is able to deliver this distillation in whatever format is of most use to the end

user: be it pushing raw data directly to a server, a JSON document, a built-for-purpose API or even a bespoke, web-integrated UI.

A Global Solution

Agrud is proud of its ability to track both the real time and historical data from most of the major exchanges globally. Our focus is guided by our clients needs, and the markets of the US, Honk Kong and Singapore are of particular interest. Both fundamental data as well as EOD price information and processed data is gathered and collated. The growing significance of particular products in recent years, for example, Exchange-Traded Funds, the market share of which has exploded from 0.7 to 5.1 trillion dollars in the last ten years.

Whilst their significance is plain to see, the nature of Exchange-Traded Funds (ETF's) and Real Estate Investment Trusts (REITs) precludes a developed approach when it comes to facilitating streamlined information consumption. Funds can be composed of an extremely broad mixture of assets, spanning geographical and regulatory lines. This can pose challenges for market data management in many of the key areas:

- Acquisition
- Compilation
- Integration
- Analysis

Through a combination of Agrud's sister systems, 'Indicators' and 'Stella', the capture, storage and analysis of information becomes automated to a degree that is able to 'massively improve upon the capabilities and efficiencies of our legacy systems', according to the COO of one of our major clients. Our unique data integration system allows the seamless computation of many diverse data-types, simplifying every successive stage of the process, and allowing us to perform a variety of different analytical processes with the same data-sets. This radical new approach to global market data represents the core of Agrud's ethos - empowering people with information that has in the past been unattainable by conventional means.

We believe that it is by making valuable information more easily available to ambitious businesses that we can stimulate economic growth and the advancement of technologies and services. By providing these services at competitive costs, we allow our information to retain its accessibility, making the companies we work with more flexible in their ability to add their own sources of value, and to control their own product offerings. By working closely with the end users of our systems, and incorporating automation at every possible stage, we are able to assure that the staggering price tags of mainstream providers can be avoided.

Stella - The Ideal Assistant

Stella works by analysing millions of individual texts from a multitude of whitelisted and AI-chosen sources. Using natural language processing (NLP) technology alongside retroactive, contextual machine learning, relevant content items are identified and dissected. After filtering, summarising and tagging highlighted information, Stella utilises Agrud's purpose-built, 'Dictionary Module', to create a nodule map

of contextual keywords. Stella is able to retrieve both news and raw data from a multitude of sources - including websites, blogs, and social media posts thanks to advanced 'listener' technology.

After retrieval, Stella puts the data through its paces, running several robust 'smart-filters' that simultaneously eliminate duplicate data while summarising the information into easy-to-read, smart-tagged snippets. The result is a continuous, real-time stream of well textured data that is sharp, focused and relevant to our client's chosen content. This system informs the operation of the system as a whole, and provides powerful auxiliary support to the informational processing powers of the 'Indicators' part of the system.

A Streamlined Data Solution

Bringing this all together affords the user with a dynamic tool able to meet the challenges faced by the modern investor. The complex mass of unwieldy data sources becomes a simplified and automated process. By marrying the expertise of investment professionals with the cutting-edge of data science and machine learning techniques, a truly disruptive service is rendered, and at an unprecedented value for money. Agrud is proud to service the global financial markets with the ability to use data with much-needed confidence, clarity & integrity.