



The power of one.

# Eka Analytics



[www.eka1.com](http://www.eka1.com)

# Faster decision making with advanced analytics

Climate change, supply chain disruptions, increased risk and volatility have made the business of managing raw materials and commodities more complex than ever. Companies can no longer afford to wait days and weeks to understand market changes, analyze alternatives, and make decisions.

The key to emerging as a stronger player lies within the data businesses are generating. Behind each of these data points is a little nugget of insight that could affect profitability.

## Shortcomings of generic Business Intelligence (BI) solutions

- Data contained in multiple systems and external sources
  - › Multiple sources – ERP, CRM, C/ETRM systems, spreadsheets – are used to store critical information pertaining to everyday operations. This is in addition to external data from market feeds, sensors, weather forecasts, and more
- Generic BI solutions lack domain-specific algorithms
  - › Businesses in the commodities industry need a combination of technology provided by a business intelligence application and deep domain knowledge
- Lack of decision-making data available when working away from the office
  - › Workers on the move cannot be tied to a desktop—they need decision support wherever and whenever they are working

# Eka Analytics: Augmented analytics with AI and machine learning

Eka Analytics helps clients gain insight, improve performance, reporting and decision making for trading & risk, digital supply chain, financial management and business collaboration. Our comprehensive analytics solution provides a broad set of analytics applications integrated with data management, business intelligence, statistical analytics, and AI capabilities all embedded in one platform. It allows you to make the best possible decisions in the least possible time and enhance overall business performance.



## Integrated view of company, industry and markets

People within an organization require different levels of information based on their roles for effective decision making. Executives, managers, and frontline decision makers need information from different sources including but not limited to finance, supply chain and other functions within and outside the organization, to get a wider view of business and market trends.

Hosted on Eka's Cloud Platform, it is analytical applications uses industry, function, and role specific algorithms to analyse data from disparate data sources – C/ETRM, CRM, spreadsheets, and ERP, as well as external sources like market feeds, weather reports and more – to answer your most important questions and provide one clear answer.



## User-friendly, self-service analytics

Getting access to required data and analyzing it effectively has always been a challenge for companies, without IT intervention. Eka Analytics applications provide users a secure environment to choose a desired data source and quickly start building their own reports without any coding or licensing requirements. Analysts can dynamically modify, drill through, or add calculation functions to data, perform a one-click convert to any type of chart/widget and populate the reports with desired layouts. This flexibility reduces the engagement of IT resources thereby freeing up their valuable time for development tasks. Analysts can also share these reports with colleagues and executives based on requirements.



## IT support and responsiveness

A lot of companies get bogged down by the scale and cost of technology deployment required to service analysts requests. IT teams often struggle with big data infrastructure deployments, maintaining multiple security models, access based requirements, data integration and managing the overall data governance.

Eka Analytics solution's enterprise grade security, flexible governance models and cloud based system helps IT teams deploy the infrastructure once, adapt it to business needs and update it regularly on cloud. This reduces the time and cost of deployment while still getting the benefits of the latest storage, processing and scalable technologies such as Hadoop, Spark etc.



# Key benefits

## Distribution

- Make better, faster, fact-based decisions across devices using easily accessible insights
- Share critical insights with relevant individuals/teams within your organization or extended business network

## Data security

- Enterprise grade security for business critical sensitive data of your customers, trading partners, finance and other counterparties
- Single source of truth with controlled access to relevant information such role-based permissions for effective data governance

## Cloud-native

- Seamless data integration and clear visibility into useful insights and forward looking decision making using a single platform
- Native-cloud extensible platform with pre-built connectors for ease of integration, deployment and connected systems

## Eka's intelligence engine

- Eka's proprietary intelligence engine is built from the ground up with algorithms tailor-made for raw material and commodity businesses
- Suite of powerful, pre-configured apps across trading, risk, inventory, finance, logistics, and operations

# Key features

## Data governance

- Apply role-based and contextual security measures for personalized, dataset creation and publishing
- Set data-level security and sharing controls to secure your critical data

## Advanced/Statistical analytics

- Anomaly detection using machine learning algorithms for large scale datasets
- Create custom queries on-the-fly using extensive data joins, group-by and filter functions
- Schedule automatic updates to keep your data synced and recent

## Embedded analytics and discovery boards

- Out of the box reports and insights dashboards deployed with licensed apps
- Pre-built dashboards with deep actionable insights and real-time alerts
- Visualize and distribute insights reports for various metrics
- Easy to configure dashboards by roles and industry
- Share the reports with colleagues

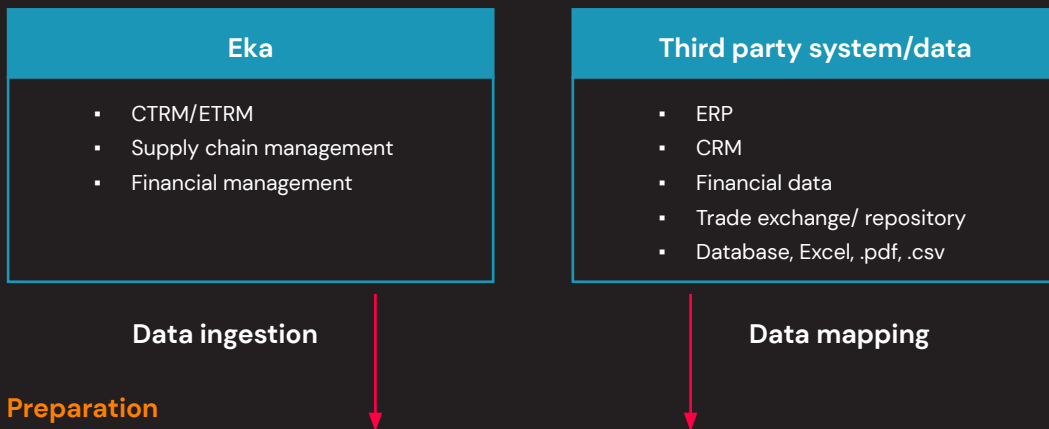
## Self-serve BI reporting

- Update source data with user-defined columns and build computed fields to handle complex business logic
- Use drag and drop feature for rapid chart creation. Easily pivot, filter, and adjust visual representations to spot trends
- Slice and dice the data as required and use rich function libraries for computations
- Schedule business critical reports to run EOD, on-demand as well as real-time reporting

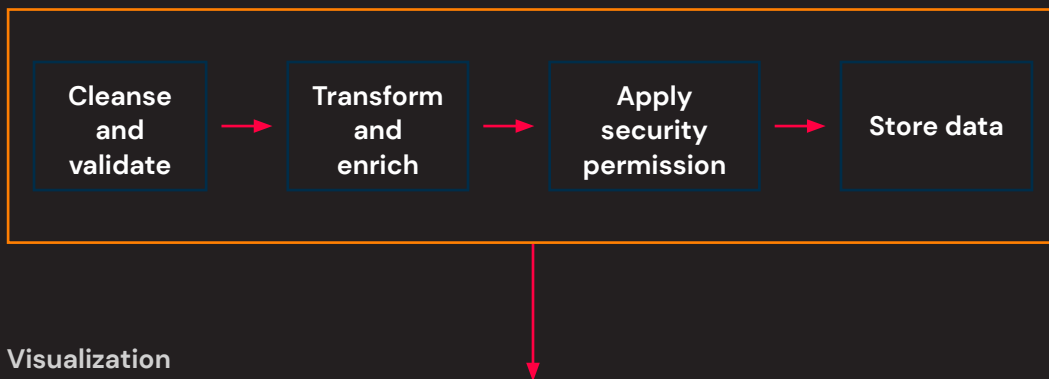
## Data integration and management

- Bring in data from any source and format using our pre-built connectors and APIs
- Easily interface with your ERP/CTRM/ETRM/databases and third party systems, global exchanges and more
- Schedule automatic updates and make decisions on the go across devices – desktop, tablet and mobile

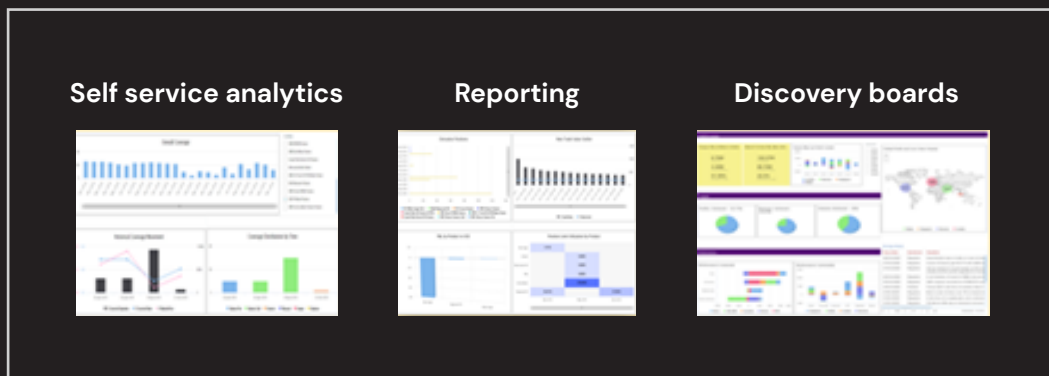
## Source



## Preparation



## Visualization





60+

Countries

100+

Customers

50+

Applications

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To learn about how Eka can add value to your operations.

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## About Eka Software Solutions

Eka Software Solutions is a global leader in providing digital solutions for Trading & Risk, Supply Chain Management and Financial Services driven by Cloud, Blockchain, Machine Learning and Analytics. The company's best-of-breed solutions serve the entire trading value chain across agriculture, energy, metals and mining and manufacturing markets.

Eka's Cloud Platform provides advanced analytics, one source of data and an automation engine, providing maximum flexibility and investment protection as business needs and market requirements change. Eka is committed to ensuring its 100+ clients can work from anywhere and collaborate across ecosystems within a secure and trusted environment.

For more information, visit [www.eka1.com](http://www.eka1.com) and follow us on [LinkedIn](#) and on [Twitter](#).