FOVEA™
Surveillance & Monitoring System

FOVEA™ serves to be a technology-tool for the Exchanges and Regulators to achieve fair playing ground for all market participants

Define | Monitor | Investigate

INTRODUCTION

An agile trading compliance solution empowering exchanges and regulators for effective surveillance and monitoring of market activities to ensure compliance and check abuses. To reflect the efficacy of the system, the name 'FOVEA™' is derived from an anatomical organ. **'A small region in the retina of an eye where visual acuity is the highest.'**

FOVEA™ has been developed and enriched by domain and market experts to provide state-of-the-art surveillance and monitoring system with true cost of ownership. FOVEA™ comes with comprehensive rule engine with adaptability to integrate with trading, data warehouse and other systems. FOVEA™ is developed with cutting edge technologies with the capabilities of handling huge data from multiple data sources and has quick implementation time.
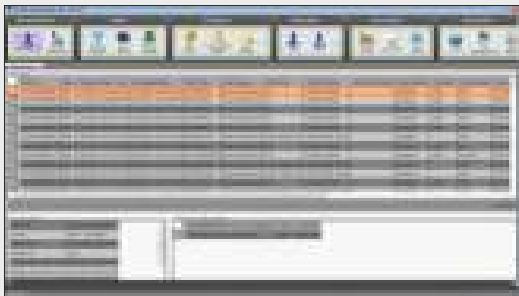
63 moons™
the new digital ecology

www.63moons.com

formerly Financial Technologies (India) Limited

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VALUE PROPOSITION

- **EXTENSIVE ALERT RULES PORTFOLIO**

  FOVEA™ is a highly configurable rule-based platform. The extensive portfolio of surveillance algorithms have comprehensive business domain for detecting manipulative activities including members and product/contract level. Apart from the wide range of alert rules, FOVEA™ also provides bespoke alert rules based on exhaustive combination of market information for detecting cases of non-compliance. Detection of non-compliance covers the complete trade-cycle from pre-trade to post-trade including all trade enrichments.

- **SMARTER DECISION-MAKING**

  FOVEA™ enables an organized approach to detect the manipulative activities. Manipulative activities can be outlined based on exhaustive combinations including customized master-level information, severity & frequency. This systematized approach enables the efficient handling of multiple exchanges, segments, members and product-level information thus helps in smart decision-making.

- **IN-DEPTH MARKET VIEW**

  FOVEA™ comes equipped with Market Replay facility whereby the market events can be replayed with specific concentration of analysis on a particular point in time or a period of time relevant for analysis. The details of the time elapsed can be studied with accuracy down to the tick-by-tick movements in the market.

- **SCALABLE & FLEXIBLE**

  The horizontally scalable design of the product ensures that any sudden spurt in volumes (number of securities, trades, etc.) can be easily accommodated.

  The system can receive real-time update of order / trades from multiple sources. User-friendly interfaces allow dynamic configuration of flexible business rules with minimal efforts.

- **EFFECTIVE CASE MANAGEMENT**

  The system works on advanced methodology factoring the frequency and severity of alerts, enables to identify and manage each case of investigation based on criticality. The utility enables to concentrate on specific cases as whole rather discrete large amount of alerts and other data. It aids in paperless investigations.

- **STATE-OF-THE-ART GRAPHICAL REPRESENTATIONS**

  An advanced visual analytics including dashboard, Heat map and Market mine offer multiple views for effortless scrutiny of market. Such graphical representation enhances the transparency and visibility thereby enabling easy analysis & interpretations of aberrations in market behavior.

HIGHLIGHTS

- Supports Multiple Exchanges across Multiple Market Segments and Asset Classes

- Profiling of alert rules, products and members

- Proactive warnings and alerts mechanism with high degree of reasoning algorithms

- Rapid development and seamless deployment for any fresh alerts in the system

- Intelligence of alerts sifting based on score points

- Bespoke Alerts – Facility to define tailor made customized alerts

- Visual Analytics – Graphical representation through Market mine and Heat map

- Market Replay for historical data

- Powerful reporting

- Plug and Play features include:

  - Market-Makers Management including exhaustive Market-Maker Definition and real-time monitoring of commitment

  - Integration with Data Warehouse for drill out reports

ARCHITECTURE