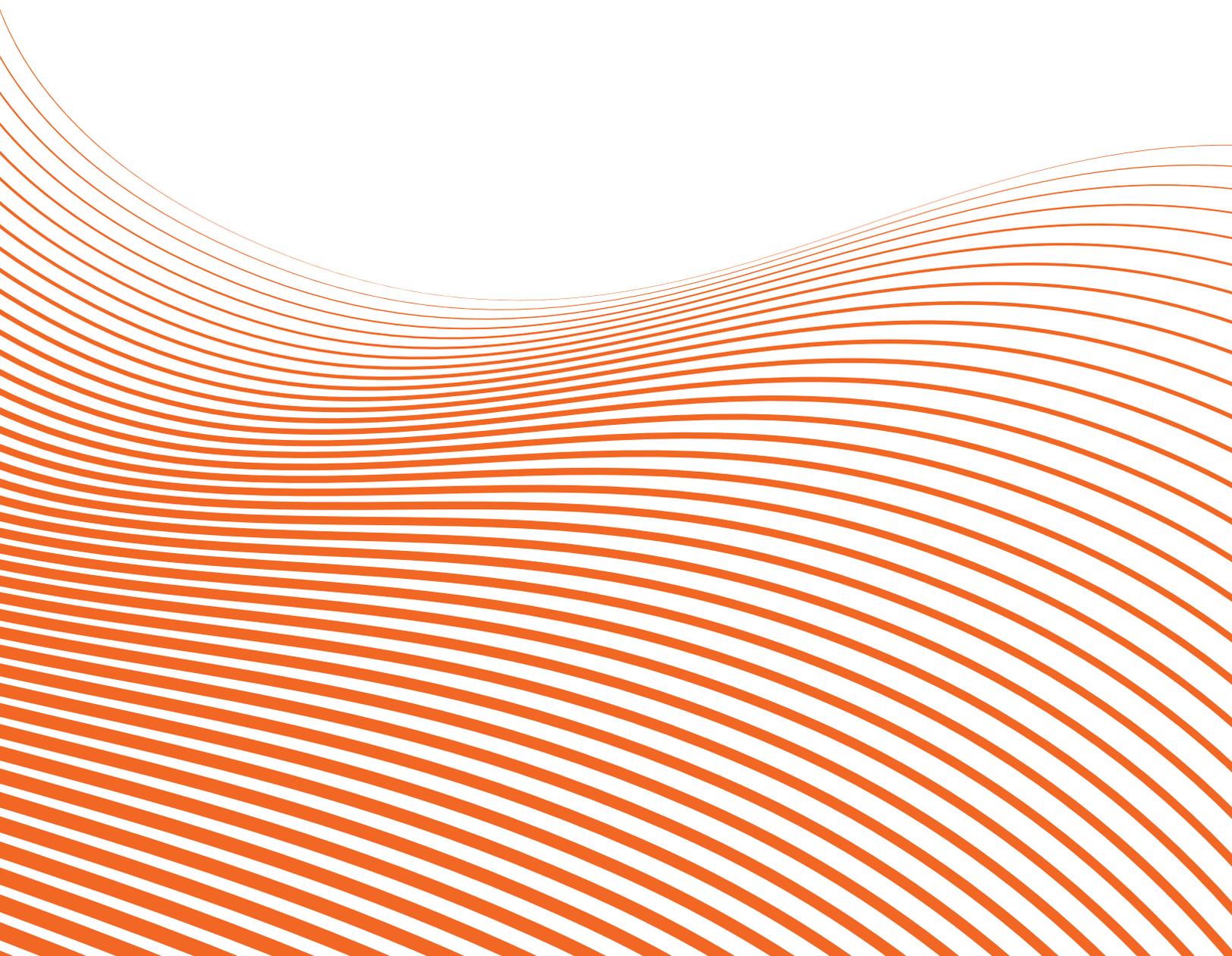




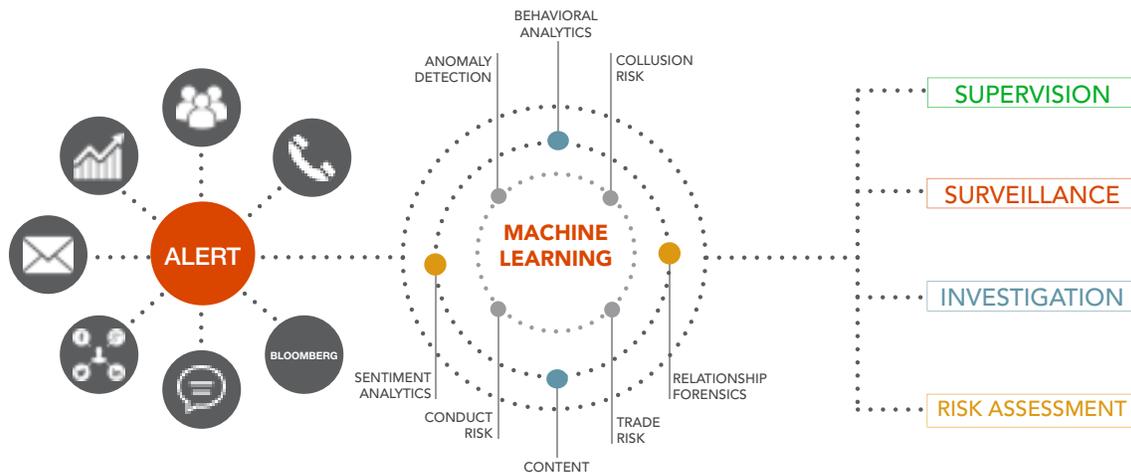
eCOMMUNICATIONS  
**SURVEILLANCE & INVESTIGATIONS**



## HOLISTIC SURVEILLANCE UNCOVER HOW BUSINESS IS DONE

Catelas eComms Surveillance & Investigations suite delivers a demonstrably defensible surveillance process, helping firms protect their reputations with the market and with regulators.

Catelas is the only solution to examine risk in a truly holistic manner looking at eComms, voice and trade alerts through a single lens. Relationship Forensics, behavioral analytics and content analytics are combined within a machine learning framework to uncover a wide range of risks.



## INTEGRATION OF PEOPLE, TRADE AND VOICE

Indicators of risk exist in eComms, trade data, voice and across other systems. The Catelas platform integrates data from these disparate sources and provides the user with a single lens through which to understand its business. While a risk indicator in one data source, such as eComms, may not be enough evidence of risk, when combined with trade data and voice calls, the story can be complete.



“Catelas’ behavioral algorithms uncover how people connect to do business and analyze risk within these networks. Integrating Catelas with b-next trade surveillance, delivers an holistic view of business risks. Together, we help our clients to make smarter, faster, more cost effective risk and compliance decisions. This helps them to meet regulatory mandates, manage risk and drive business efficiencies, while protecting their global reputations.”

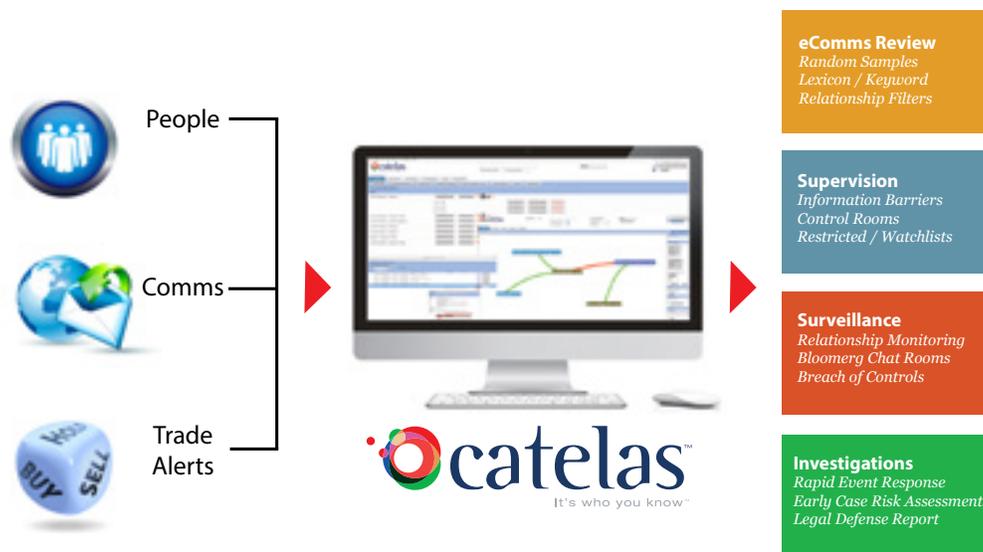
Wolfgang Fabisch, CEO b-next

## MACHINE LEARNING

Catelas leverages more than a decade of experience within Compliance & Legal eDiscovery case work to build our policy library. Natural Language Processing (NLP) combines with machine learning to reduce false positives and isolate high risk behavior.

The value for both Front Office supervision and Compliance surveillance is a much faster, far more effective yet robust process. Specifically, Catelas delivers,

1. More than 95% elimination of false positives
2. 80% reduction in time to clear review queue
3. Fast analytics resolve escalations & events quickly and defensibly
4. Policy Library delivers relevant results – uncovering true negatives



## UNCOVERING COLLUSIVE NETWORKS

Insider Dealing, Market Manipulation, and the movement and sharing of Material-Non-Public Information (MNPI) are activities conducted between individuals with strong trusted relationships. Catelas uncovers who matters and how they connect within these networks and isolates drivers of risk.

This understanding of how people gather and behave within trusted networks, that come and go throughout a day, focuses other algorithms that question data around these 'gatherings'. Voice, eComms and other data can be analyzed together to form a complete understanding of how people come together and create risk for the business.

"Compliance is about having control over your environment and being able to prove it. Catelas uncovers risk in a highly defensibly manner and regulators can easily see how the system works – no 'black box'. These visual audit trails are essential."

**Alan Morley, former Managing Director, Investment Bank**

## **CURRENT CHALLENGES**

**Random sampling and keyword supervisory systems are highly ineffective, yet consume significant time**

**False positives overwhelm the reviewer**

**Firms are exposed to regulatory risk and reputational damage**

**Nothing is connected**

**Systems can't handle voice and trade data**

**Bloomberg and other forms of chat not seen in context**

## **CASE STUDY**

Our customer, a diversified firm, deployed Catelas to supervise their broker/dealer, RIA and investment banking businesses. The firm had an existing Lexicon based surveillance system, but times had changed. The system was costly in terms of resource and quite ineffective, forcing analysts to review large volumes of false positives - no longer protecting the firm from regulatory fines or reputation damage.

Insider dealing, conflicts, market manipulation, controls around MNPI as well as insider risk were of greatest concern. Catelas' Policy Library was deployed to allow our customer to supervise for these and other risks tailored to each of its businesses.

With the same level of resource, Catelas' reduced the noise and uncovered the messages and behaviors that they needed to review. A defensible process was implemented and an audit trail generated that demonstrated that the business was being comprehensively supervised.

## **CATELAS DELIVERS**

**A single integrated view**

**People, eComms, voice and trade alerts**

**Machine learning significantly reduces false positives**

**High risk events, messages and behaviors uncovered**

**Escalations and events investigated quickly and defensibly**

**Comprehensive audit trail drives defensibility**