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## PatternSentry™ Next-Level Awareness



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Data – Often your team has way too much of it. Detecting slight changes can be particularly challenging. Systems using the pattern recognition capabilities from Lockheed Martin's PatternSentry™ software gain enhanced situational awareness that can accelerate responses to overwhelming data or subtle changes.



## Identify group behaviors

At its core, PatternSentry™ is an analytic aid that can facilitate rapid and precise situational awareness and decision making when added to an operational platform. PatternSentry™ software uses patent-pending Bayesian network techniques to recognize patterns of individual and collective behavior based on real-time kinematic and identity information. PatternSentry™ software evaluates the data available to systems and calculates the probability that an event will occur.

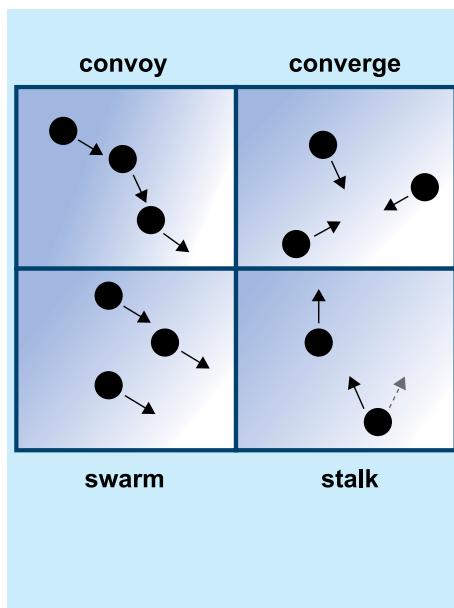


Users are better equipped to determine the intent of individuals or identify groups who are acting in concert. Operators can discern patterns in cluttered areas to mitigate risk. PatternSentry™ also eliminates stale or unreliable data based on object history.



## Easy to use

PatternSentry™ software supplies tools for immediate use. Standard patterns recognized by the grouping logic include convoys, converging behavior to a designated point, swarming behavior and the behavior of a follower (stalker).



PatternSentry™ behavior recognition algorithms have direct utility in applications to protect critical infrastructure, provide navigational safety and detect early signs of piracy for commercial ships. Developers can easily extend capabilities by adding or adjusting patterns without making software modifications. The software's usefulness and accuracy has been tested and proven through collaborative testing with a customer in a maritime environment.

## Light on resources, too

PatternSentry™ utility is evident in its small software footprint. Since the framework builds on Java™ infrastructure, it is independent of proprietary or restricted technology. PatternSentry™ scalability extends from workstations to mobile devices, making it accessible to the user on the go.



## Support you can afford

Lockheed Martin designed PatternSentry™ software for enhanced operational decision making to save effort. Minimal training, increased efficiency and an attractive price are within reach – today.

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