



## Zebra MotionWorks™

### AMAZING VISIBILITY FOR ACTIONABLE INSIGHTS

Managing the critical assets, goods and people in your operation is exactly that: critical. Because if you don't have visibility into their location, condition and performance, things can break down on a much larger scale. Resources can be misused. Competitive advantages squandered. Safety compromised. Efficiency and productivity stalled. But now there are real-world location solutions providing the visibility necessary for actionable insights to better accelerate your business: Zebra MotionWorks.

Zebra MotionWorks tracks all the important resources in your enterprise but—more importantly—provides you with actionable insights delivered from quantifiable, real-time data. And when you automate tracking with MotionWorks, you can accomplish more. By pinpointing asset location, status and motion, you can increase control, minimize downtime and maximize performance. By having visibility to goods, you can streamline workflows, ensure replenishment and expedite shipping. And by monitoring your workforce, you can better ensure safety, increase connectivity and enhance compliance processes.

Put your enterprise on the fast track to greater productivity, efficiency and profitability with Zebra MotionWorks location solutions. Because not only does it deliver automated visibility to your critical assets, goods and people, it delivers the kind of actionable insights that can transform your business.

#### How does Zebra MotionWorks cultivate all this data?

MotionWorks gives businesses the ability to use automated data collection to attain actionable insights and vital solutions from the location, state and sense data of tagged enterprise resources. And, it delivers the information they need to optimize operational efficiencies, solve complex business problems and build a competitive advantage with best-in-class, real-time visibility and management of their goods, assets and people. So, just how does it do all this?

By using hardware to capture data (including Zebra's many sensing, tagging, and mobility technologies, as well as popular third party technologies), MotionWorks deploys some of the world's largest and most successful automated resource tracking and management solutions—across industries, and for some the world's largest companies. Zebra's location data collection and support platform, Savanna, collects or derives the data; location, path, dwell, temperature and more. And the application layer then integrates and/or interfaces with multiple customer, 3rd party or Enterprise applications through open standard protocols and APIs.

With MotionWorks, businesses see an increase in efficiency, productivity and customer service levels, and the improvement of workflows. It delivers a UI and console experience for more than simple data collection and calculation by providing reports, events, alerts and actions at the enterprise resource level, along with the ability to manage the system. And moreover, it offers true enterprise scalability—scalable to hundreds or thousands of sites, thousands of users and hundreds of thousands of tracked resources.

#### Why Zebra MotionWorks for location solutions?

With nearly 20 years of innovation in connected edge technologies—Zebra is without question the location solutions expert. From automatically knowing the location of your inventory, helping to ensure the safety of your people, or streamlining your production processes, Zebra delivers proven location-based solutions for businesses looking for both intelligence and insights. Zebra Technologies has been positioned as a Visionary in Gartner's Magic Quadrant for Indoor Location Services, Worldwide (Jan 2018).\* Zebra is the go-to brand for a number of Fortune 500 companies across manufacturing, transportation, healthcare, retail and more. And we can provide insightful, successful solutions for your enterprise as well.

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## At-a-Glance: Zebra MotionWorks – Technology and Services

DATA CAPTURE HARDWARE	
<b>Dart Ultra-Wideband (UWB) Active RFID</b>	6.5GHz UWB, highly accurate medium range Real Time location system IEEE 802.15.4f compliant • Real time location in 3D, 2D, 1D • Exceptional performance in high multi-path environments • Accuracy: +/- 30cm • Tags available in various form factors with long battery life
<b>WhereNet (ISO) Active RFID</b>	2.4GHz Direct Sequence Spread Spectrum, accurate long range location system ISO/IEC 24730-2 compliant • Real time location in 2D, 1D • Accuracy: +/- 1m • All-Weather Enclosure designed for Indoor/Outdoor Operation • Tags available in various form factors with long battery life
<b>Bluetooth Low Energy (BLE) Beacons</b>	2.4GHz BLE Beacons, proximity location system SecureCast: 128 bit AES encryption • Point in time & proximity location • Multi-mode capable • Beacons available in various form factors
<b>Passive RFID</b>	900 MHz EPC UHF Class 1 Gen 2 Reader, presence location system Point in time & presence location (choke point) • Industrial and retail RFID Readers • LLRP host interface protocol • Linux operating system
ENTERPRISE SOFTWARE	
<b>Savanna Location Engine</b>	Integrated software package for on-premise deployment with a console that provides reports, maps, alerts, and dashboards at the enterprise resource level. Using proven algorithms and rules engines it derives actionable information and business context from the location data being gathered, and provides a common set of outputs to share with applications that need this data.
SERVICES	
<b>Signature Services</b>	Success in any intelligent edge solution requires a knowledgeable set of professional services to truly be successful. Zebra MotionWorks is no exception. Zebra provides a set of location solution specific professional services capabilities as part of its Signature Services portfolio. With these, you can be confident that the unique services necessary for the successful business outcome of your location-based solution are available when you need them.

## At-a-Glance: Zebra MotionWorks – End-to-End Solutions

SOLUTIONS		
	OVERVIEW	BUSINESS IMPACT
<b>MotionWorks Asset</b>	Your ability to automatically manage accurate asset inventory status minimizes wasted time and labor finding critical equipment, ensures efficient asset utilization, and eliminates costly manual processes.	With accurate asset management you know where assets are in real time. Asset location information can be leveraged to reduce lost equipment, better deliver services, more efficiently run a production line. All of these increase your business' operational efficiency.
<b>MotionWorks Yard</b>	Customers expect their delivery to arrive on time through a nimble, responsive, accurate and transparent supply chain. The need to maximize dock and yard throughput is more critical than ever. Access to real-time data about yard resources enables smarter planning.	Accurate and real-time data about yard resources, combined with flexible business rules, facilitates the continuous flow of material and goods between your transportation systems and distribution centers or manufacturing plants, increases gate transaction speed, and improves switcher productivity and yard throughput. Optimize your yard and ensure the right trailer arrives at the right door at the right time.
<b>MotionWorks Material</b>	Operations are struggling to keep pace with the competition, increasing demand and new production requirements. The need to maximize manufacturing productivity and minimize downtime is more critical than ever before.	Ensure the right assets needed for assembly are where they need to be on the line with a comprehensive enterprise execution management solution that works with ERP systems to automate and streamline the lean parts replenishment process. Real-time visibility to the plant floor lets you improve response times, provides historical data tracking, lets you centrally manage and control supplier collaboration, and reduces inventory holding costs by enabling line-side operators to trigger material requests from their workstation.

FOR MORE INFORMATION, VISIT [WWW.ZEBRA.COM/MOTIONWORKS](http://WWW.ZEBRA.COM/MOTIONWORKS) OR ACCESS OUR GLOBAL CONTACT DIRECTORY AT [WWW.ZEBRA.COM/CONTACT](http://WWW.ZEBRA.COM/CONTACT)



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