

CYPHER ROBOTICS ANNOUNCES INVENTORY CYCLE COUNTING SOLUTION, PARTNERS

(ATLANTA): [Cypher Robotics](#) today unveiled a new standard for efficient and accurate cycle counting scanning for industry at MODEX2024 – one of the sector’s leading annual global conferences. The company also revealed partnerships with AI-driven automation leaders [GreyOrange](#) and technology company [Ericsson](#), plus a leading Canadian retailer.

Incubated by Canada’s [InDro Robotics](#), Cypher calls its solution ‘The Future of Warehouse Robotics’, and here’s why: It combines both aerial and ground robotics technology into a single, integrated package.

That solution is called Captis – an autonomous ground vehicle that can find its way around warehouses all on its own. It won’t bump into people or objects, and requires no infrastructure changes. When it’s time for cycle counting, it uses drone technology attached to the ground robot with a tether – used to power the drone and for realtime data transfer. The drone ascends vertically and begins scanning products (it’s code-agnostic) as the Captis base navigates its way down even-narrow corridors.

Based in Ottawa, Cypher Robotics has a specialised engineering team and state-of-the-art fabrication. Comprehensive, real-world testing has been carried out over several months in partnership with a major Canadian retailer that has more than 300 locations across the country.

The system can capture data with 99.9 per cent accuracy autonomously for up to five hours per mission. That data is automatically integrated with existing Warehouse Management System (WMS), WCS (Warehouse Control System) and WES (Warehouse Execution System) software. Captis eliminates the costs associated with manual cycle counts, improves inventory accuracy, and ensures seamless timeline replenishment while avoiding both over- and under-stocking items.

What’s more, Captis can simultaneously carry out highly detailed precision scans of infrastructure (more on this in the future).

Sound technologically complex? It is. But it’s also a breeze to operate.

“Captis is completely a hands-off product,” says Philip Reece – who has founded or co-founded multiple successful companies in the robotics, drone and R&D spaces. Those include [InDro Robotics](#), the Canadian leader in ground and aerial robotics R&D, which has also invested in Cypher Robotics.

“This is the future of warehouse robotics. It completely eliminates the dull and repetitive task of scanning by hand, freeing up employees to do more satisfying work. It also frees up or eliminates the need for equipment like modified forklifts that have been previously required for the task.”

Cypher has partnered with warehouse fulfilment experts [GreyOrange](#) and global telco innovator [Ericsson](#).

“The Captis autonomous cycle counting solution is powered by [GreyOrange’s GreyMatter](#), our [fulfillment orchestration platform](#),” says Akash Gupta, Co-Founder and CEO, [GreyOrange](#). “We are excited that Cypher Robotics has joined [GreyOrange’s Certified Ranger™ Network \(CRN\)](#) ecosystem. Cypher’s Captis solution is a great option for companies new to automation and robotics to begin leveraging such tech since only one bot is needed per warehouse on average.”

Manish Tiwari, Head of Private Cellular Networks, [Ericsson Business Area Enterprise Wireless Solution](#) says: “Captis is an innovative solution that listens to the industry’s needs and efficiently answers them. Being connected to [Ericsson Private 5G](#) allows Captis to traverse warehouses while maintaining consistent connectivity which ensures the safety of employees and devices. The low latency of the connection allows for immediate validation of data and the ability to re-capture it to maintain accuracy. The solution ensures that the organization’s data is protected throughout the process. [Ericsson](#) is looking forward to continued collaboration and innovation with Cypher that will help our customers’ digitalization efforts.”

ABOUT: Cypher Robotics is a Canadian firm dedicated to solving supply chain and precision scanning issues with robots. The company designs, tests and validates its products, in addition to building custom solutions for the supply chain/inventory management sectors. Incubated by InDro Robotics, its Captis platform integrates the best of ground and aerial robotics, and is capable of RFID and precision scanning. To arrange an interview with Philip Reece, please email info@cypherrobotics.com or call 416-705-9100.

To download B-roll footage, please use this link: <https://tinyurl.com/ycky369r>

To download photos of the Captis system, click [here](#).