



## CYPHER ROBOTICS DISPLAYS AUTONOMOUS 'CAPTIS' CYCLE COUNTING INDUSTRY 4.0 SOLUTION AT GITEX GLOBAL 2024 IN DUBAI

(DUBAI, October 14 2024): [Cypher Robotics](#), a Canadian leader in automated inventory management, today unveiled its autonomous Captis solution for cycle counting, inventory management and precision scanning at the prestigious GITEX GLOBAL 2024 conference in Dubai. The show bills itself as “the world's most established and iconic large-scale tech exhibition.”

That's the perfect venue for Captis, a cutting-edge solution that combines aerial and ground data acquisition in a single integrated unit that can run complex, extended missions covering massive warehouses.

The Captis platform is a low-footprint autonomous mobile robot (AMR), developed to scan high-volume inventory with exceptional accuracy – including products stacked up to 15 metres high on warehouse shelves. The device's small footprint means no infrastructure changes are required at the client end.

“It's an AMR/drone combination product,” says Cypher Robotics Founder/CEO Peter King. “It's both a vision-based and RFID capture system. What makes us unique is our ability to trundle up and down aisles for up to five hours collecting data, unlike some traditional methods today.”

During deployment, Captis moves slowly up and down inventory aisles. As it does so, a powerful ROS (Robot Operating System) drone ascends via tether. That tether provides power for the drone's flight, allowing for extended aerial missions and eliminating the need to change batteries on the drone. It also provides for data exchange.

Once aloft, the drone scans inventory codes as Captis moves forward autonomously. The system is code-agnostic – and the Captis system transfers data wirelessly in realtime to existing Warehouse Management Software (WMS) or Warehouse Execution System (WES) platforms. The result? Constantly updated data, including identifying discontinued and overstocked items the client may wish to move. A mobile app, which is also being unveiled at GITEX GLOBAL 2024, allows for easy mission deployment and monitoring.

Captis has already been deployed for more than a year with a flagship Canadian retail client with hundreds of large warehouses across the country. It saved the client 250,000 person-hours that employees would have spent on the unsatisfying and potentially dangerous work of manual scanning. By identifying discontinued stock and out-of-stock items, the system created untapped revenue for the company.

“We've reduced their discontinued inventory by 12 per cent, resulting in 1.2 million dollars in overall sales for this client,” says King. “We think that's a big deal – allowing them to push discontinued product and make sure that they understand what areas of their business they need to focus on to eliminate that inventory.”

Cypher Robotics has partnered with software fulfilment leader [GreyOrange](#). That company has integrated some 15 robotic devices with its leading GreyMatter warehouse platform. Captis has been tested for reliability, safety and cyber-security and is part of GreyMatter's Certified Ranger Network of approved devices.

“We are pleased to be working with leading companies and clients in the Industry 4.0 sector,” says King. “And while we are currently ‘warehouse-first’, Cypher is rapidly expanding into the Third-Party Logistics and healthcare sectors.”

Cypher Robotics is joined at GITEX GLOBAL 2024 by our partners Aegis Group, who have been named as the authorized agent for selling Cypher Robotics solutions in Dubai. The Cypher Robotics Captis system, along with the mobile app, can be seen in Hall 24 at booth H24-A12. You can view a video of Captis in action [here](#) and an overview of the new mobile app [here](#).

**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 and builds 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 CEO Peter King, please email [info@cypherrobotics.com](mailto:info@cypherrobotics.com) or call +1 416-705-9100.*

Photos of the Cypher Robotics Captis system can be downloaded [here](#).