

December 12, 2024



Cemtrex's Vicon Announces New Partnership with AI Chipmaker Hailo for its New Modular Camera System, NEXT™

Hauppauge, NY, Dec. 12, 2024 (GLOBE NEWSWIRE) -- -- [Cemtrex Inc.](#) (NASDAQ: CETX, CETXP), an advanced security technology and industrial services company, today announced that its subsidiary, Vicon Industries, Inc., secured a partnership with Hailo, an AI chip manufacturer known for its high-performance edge AI processors. Together, Vicon and Hailo are raising the bar for video intelligence by integrating the groundbreaking Hailo-15 System-on-a-Chip (SoC) into Vicon's NEXT Modular Camera System.

"Our partnership with Hailo reaffirms our commitment to being a pioneer in the security industry," said Saagar Govil, CEO of Vicon Industries. "By embedding Hailo's powerful AI technology into NEXT, we are empowering customers with a proactive solution that not only detects but also deters potential threats. This is a camera built for the complex challenges of today and tomorrow."

Vicon is among the first to bring Hailo-15 to market, unlocking edge-based AI processing capabilities far exceeding traditional cameras. The Hailo-15 combines patented AI inferencing with advanced computer vision engines, delivering unparalleled image quality and enabling complex deep learning applications directly on the camera. Overall, this increased AI processing power unlocks significantly lower latency, reduced bandwidth usage, and improved reliability—all without the need for server-based processing.

NEXT brings this intelligence to the forefront with features like:

- **AI Vision:** Advanced AI video enhancement ensures crisp, color-rich images day and night.
- **Color forensics:** The ability to pinpoint specific clothing or vehicle colors provides unmatched precision in tracking suspects or vehicles.
- **Smart object classification:** Instantly distinguish between people, vehicles, and animals, reducing false alarms and allowing teams to focus on real threats.
- **Real-time analytics:** Detects potential threats like loitering or intrusions as they happen, enabling security teams to intervene before incidents escalate.

"With the groundbreaking Hailo-15, we're setting a new standard for edge AI performance," said Orr Danon, CEO of Hailo. "Its unparalleled compute power enables advanced video analytics—like object detection, behavioral analysis, and forensic searches—while also delivering AI video enhancement, including low-light denoising, improved colors, and improved image quality. By processing everything on the edge, we ensure increased data privacy and safety as there is no longer a need to transmit personally identifiable information to the cloud. We're excited to partner with Vicon, one of the first manufacturers to embrace this technology, as they lead the way in unlocking the full potential of AI on the edge."

As a further complement to its AI capabilities, NEXT also features several onboard technologies, including high-powered microphones with a 50-foot range and 360° commercial-grade speakers for real-time audio warnings and communications. Additionally, the dome contains programmable signal lightbars to communicate situational awareness status to indicate threats, warnings or other operational conditions.

“By combining next-generation intelligence with the onboard technology, the camera transforms from a reactive device into a proactive deterrent, helping to prevent potential threats instead of simply documenting and reporting on them,” said Haim Shain, Sr. Vice President of Product Management at Vicon Industrie. “It improves communications and daily operations by projecting audible instructions and warnings, and issuing visual cues to folks in the area. For example, you can pair these communication features with our AI analytics, so if the camera detects an intruder at night, the lightbars can flash red and an automated message can alert the intruder that they’ve been detected. The lightbars can also signal operational states, like blue to indicate a shift change or amber to notify that someone is waiting in the lobby. The opportunities to integrate them into daily operations are limitless.”

"By embedding Hailo's high-performance AI processors into our NEXT cameras, we are equipping our customers with powerful, future-proof solutions that transform how they monitor and protect their environments. The incredible processing power that Hailo provides ensures customers who invest in NEXT today can take advantage of frequent updates and enhancements in the near future. This includes increasingly sophisticated intelligence that was previously limited to cost-prohibitive, server-based analytics platforms," concluded Govil.

The Vicon NEXT camera will be presented at the Hailo hospitality suite at CES, January 7-10 in Las Vegas. To schedule a demo tour, click [here](#).

Vicon is taking orders now, and the NEXT solution will start shipping in Q1 2025. More information about NEXT is available here <https://vicon-security.com/introducing-next> and more information about Hailo-15 is available here <https://hailo.ai/>.

About Cemtrex

Cemtrex Inc. (CETX) is a company that owns two operating subsidiaries: Vicon Industries Inc and Advanced Industrial Services Inc.

Vicon Industries, a subsidiary of Cemtrex Inc., is a global leader in advanced security and surveillance technology to safeguard businesses, schools, municipalities, hospitals and cities. Since 1967, Vicon delivers mission-critical security surveillance systems, specializing in engineering complete security solutions that simplify deployment, operation and ongoing maintenance. Vicon provides security solutions for some of the largest municipalities and businesses in the U.S. and around the world, offering a wide range of cutting-edge and compliant security technologies, from AI-driven video analytics to fully integrated access control solutions. For more information visit www.vicon-security.com.

AIS – Advanced Industrial Services, a subsidiary of Cemtrex, Inc., is a premier provider of industrial contracting services including millwrighting, rigging, piping, electrical, welding. AIS Installs high precision equipment in a wide variety of industrial markets including automotive, printing & graphics, industrial automation, packaging, and chemicals. AIS owns and operates a modern fleet of custom designed specialty equipment to assure safe and quick installation

of your production equipment. Our talented staff participates in recurring instructional training, provided to ensure that the most current industry methods are being utilized to provide an efficient and safe working environment. For more information visit www.ais-york.com.

For more information visit www.cemtrex.com.

Forward-Looking Statements

This press release contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995, including statements relating to the closing of the offering, gross proceeds from the offering, our new product offerings, expected use of proceeds, or any proposed fundraising activities. These forward-looking statements are based on management’s current expectations and are subject to certain risks and uncertainties that could cause actual results to differ materially from those set forth in or implied by such forward looking statements. Statements made herein are as of the date of this press release and should not be relied upon as of any subsequent date. These risks and uncertainties are discussed under the heading “Risk Factors” contained in our Form 10-K filed with the Securities and Exchange Commission. All information in this press release is as of the date of the release and we undertake no duty to update this information unless required by law.

Investor Relations

Chris Tyson
Executive Vice President – MZ North America
Direct: 949-491-8235
CETX@mzgroup.us
www.mzgroup.us



Source: Cemtrex Inc.