

Liberty Defense Completes Successful U.S. Military and Government Agency Trial

*HEXWAVE demonstrated **Excellent Test Results** detecting concealed Improvised Explosive Devices (IEDs)*

WILMINGTON, Mass., Dec. 21, 2023 /CNW/ - [Liberty Defense Holdings Ltd.](#) ("**Liberty**" or the "**Company**") (TSXV: SCAN) (OTCQB: LDDFF) (FRANKFURT: LD2A), a leading provider of Artificial Intelligence (AI) based weapons detection and physical security solutions for high risk and secure facilities, is pleased to announce that HEXWAVE™ achieved outstanding results in recent U.S. military and government agency trials.

HEXWAVE is a walkthrough screening portal that uses AI and millimeter-wave technology to identify both metal and non-metal concealed weapons or other targeted items.

"These trials are tasked with assessing new technologies that have the potential to support antiterrorism and physical security measures as part of a larger commitment to Force Protection, which is a collaborative defense effort shared by all NATO nations. The effort is focused on dissuading attacks to safeguard military personnel, their families, facilities, and resources," said Bill Frain, CEO of Liberty Defense. "HEXWAVE has been receiving increasing interest from facilities critical to national security and defense such as nuclear research labs and ports of entry."

HEXWAVE was selected to participate in the trials, which took place over three days in October. The trials assessed the technology to determine its ability to detect concealed Person Borne IEDs (PBIEDs).

Results from Day 1 were calculated and released, and HEXWAVE was assessed to have an outstanding overall detection performance of 95%, with a false alarm rate of just 3.6%.

HEXWAVE scored highly on several variables including:

- Uninterrupted screening and high throughput, without the need for pauses or stops
- No requirement to remove personal items, such as cell phones, keys, and wallets
- Detection capabilities for both metal and non-metal items including liquids, powders, plastic explosives, incendiary devices, and unauthorized weapons like 3D-printed ghost guns
- A clean user interface that displays the location of the identified threat for efficient alarm clearing
- Portability, with quick and easy setup

"Detection targets used during the assessment were comprised of a range of materials including powders, liquids, gels, glass, metal, and plastics," added Frain. "This is where HEXWAVE really shines, with its ability to detect items made of any number of materials, rather than just metal. This combined with its mobility has made it very attractive to prisons, courthouses, airports, hospitals, stadiums, government facilities, and more."

Results from Day 2 and Day 3 of the trials are expected in early 2024.

HEXWAVE continues to garner increasing interest from high-security facilities, including those critical to national defense, ranging from nuclear research labs to ports of entry and more. This includes [Los Alamos National Laboratory](#), and several airports including, [Toronto Pearson](#), [Denver International Airport](#), [Los Angeles International Airport](#), the [Port of Oakland](#), and a

[New Hampshire-based Regional Airport](#). The company also is working closely with [the TSA](#) directly on security initiatives.

For updates and news, please visit the [Company website](#) to subscribe to email alerts or follow Liberty Defense on social channels.

On Behalf of Liberty Defense

Bill Frain
CEO & Director

About Liberty Defense

Liberty Defense ([TSXV: SCAN](#), [OTCQB: LDDFF](#), [FRANKFURT: LD2A](#)) provides multi-technology security solutions for concealed weapons detection in high volume foot traffic areas and locations requiring enhanced security such as airports, stadiums, schools, and more. Liberty's HEXWAVE product, for which the company has secured an exclusive license from Massachusetts Institute of Technology (MIT), as well as a technology transfer agreement for patents related to active 3D radar imaging technology, provides discrete, modular, and scalable protection to provide layered, stand-off detection capability of metallic and non-metallic weapons. Liberty has also recently licensed the millimeter wave-based, High-Definition Advanced Imaging Technology (HD-AIT) body scanner and shoe scanner technologies as part of its technology portfolio. Liberty is committed to protecting communities and preserving peace of mind through superior security detection solutions. Learn more: [LibertyDefense.com](#)

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When used in this press release, the words "estimate", "project", "belief", "anticipate", "intend", "expect", "plan", "predict", "may" or "should" and the negative of these words or such variations thereon or comparable terminology are intended to identify forward-looking statements and information. Although Liberty believes, in light of the experience of their respective officers and directors, current conditions and expected future developments and other factors that have been considered appropriate, that the expectations reflected in the forward-looking statements and information in this press release are reasonable, undue reliance should not be placed on them because the parties can give no assurance that such statements will prove to be correct. Such statements and information reflect the current view of Liberty. There are risks and uncertainties that may cause actual results to differ materially from those contemplated in those forward-looking statements and information.

By their nature, forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements, or other future events, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. There are a number of important factors that could cause Liberty's actual results to differ materially from those indicated or implied by forward-looking statements and information. Such factors include, among others: currency fluctuations; limited business history of the parties; disruptions or changes in the credit or security markets; results of operation activities and development of projects; project cost overruns or unanticipated costs and expenses; and general development, market and industry conditions. The parties undertake no obligation to comment on analyses, expectations or statements made by third parties in respect of their securities or their respective financial or operating results (as applicable).

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