



Mission Integrated Technologies, LLC
10 Hazel Park Lane Fredericksburg, VA 22405
Phone: (540) 845-5169 Fax: (540) 602-2167
Email: MIT@MissionIntegratedTech.com
Web: www.MissionIntegratedTech.com

Technical Offer

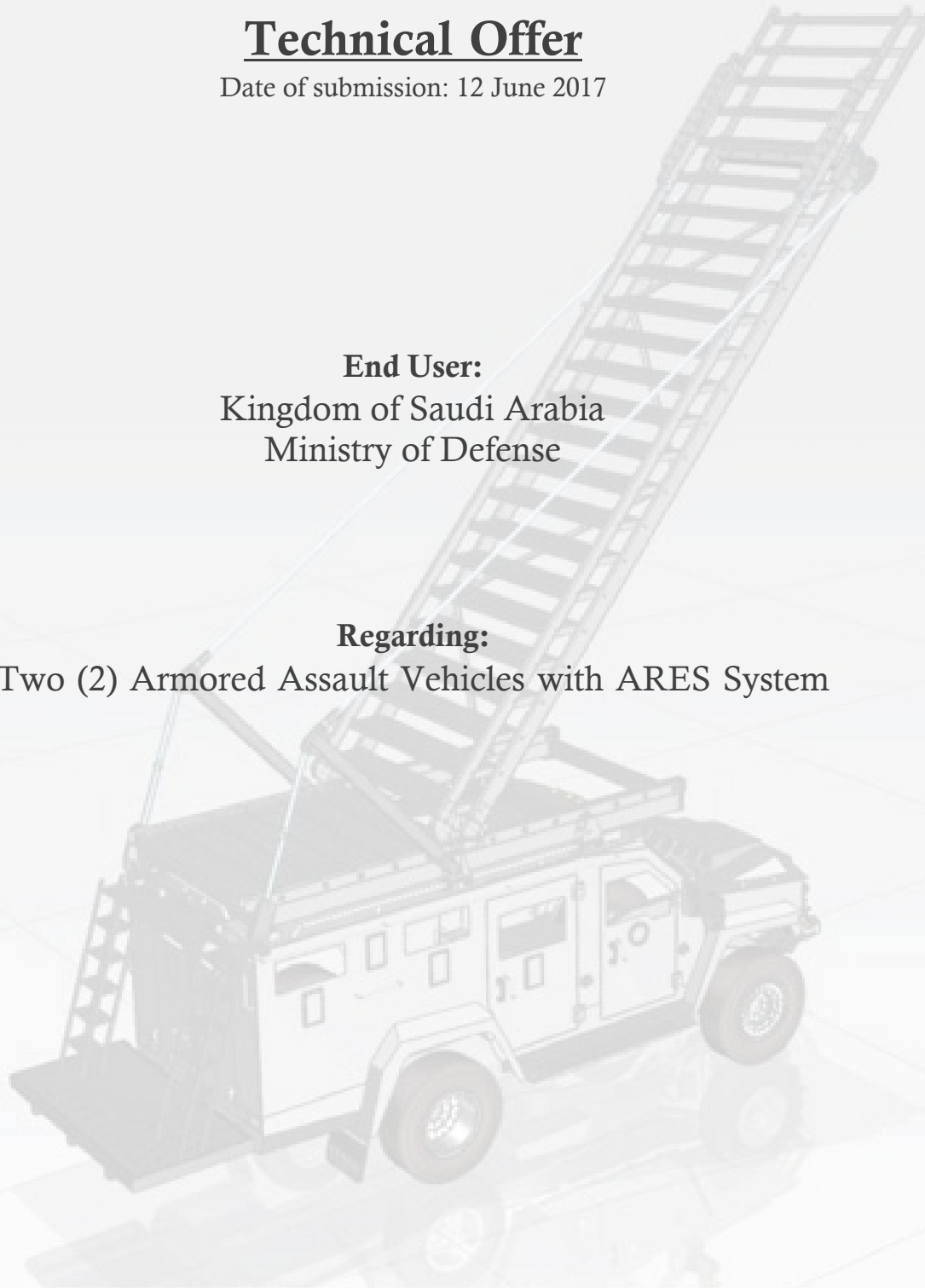
Date of submission: 12 June 2017

End User:

Kingdom of Saudi Arabia
Ministry of Defense

Regarding:

Two (2) Armored Assault Vehicles with ARES System





Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

Table of Contents:

PAGE #: DESCRIPTION:

3.	1. – MIT / Lenco Armored Assault Vehicles with ARES System – Technical Specifications
10.	2. - Lenco Bearcat Armored Vehicle: Standard Features
12.	3. - MIT Training
13.	4. - Scope of Work



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

1. – MIT / Lenco Armored Assault Vehicles with ARES System –

Technical Specifications:

MIT's founder invented the term "elevated tactics" as the inventor of the world's first elevated tactics system, the first hydraulic-controlled tactical vehicle for building and aircraft assaults. MIT has the unmatched expertise to provide a product that meets or exceeds all the capabilities sought in this tender. MIT's designers have been inventing tactical vehicles and other products for the world for since 1997.



The ARES system on Lenco Bearcat, with Breaching Platform and Lifting Arms folded down, and Rear Deployment Platform folded up.

MIT's corporate officers share over 100 years of elite law enforcement, military, and Special Operations experience around the globe. Our expertise is what allows MIT to offer the finest tactical products and services available anywhere. The **ARES (Articulating Rapid Entry System)** provides end-users with the greatest reach and capability available anywhere. The ARES is the world's leading elevated tactics system, nearly doubling the height of many competing systems, and ARES does it much more safely. The ARES directly reaches up to 8 meters without the use of ladders or other accessories, at the push of a button, and can be quickly and simply modified to deliver operators to 9 meters, without tools or additional attachments, faster and more efficiently than any other tactical system.



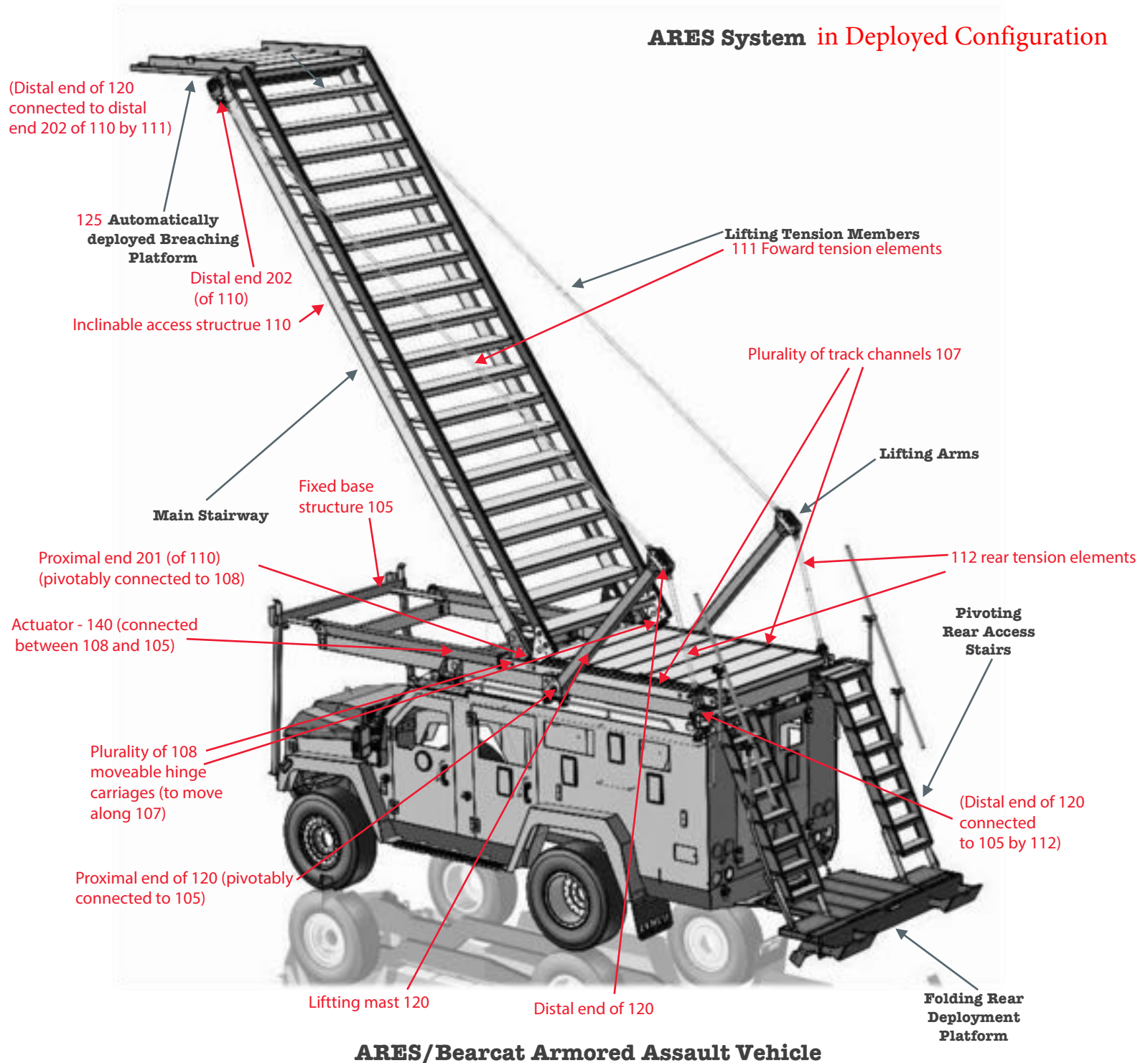
The ARES system on Lenco Bearcat, with Breaching Platform and Lifting Arms folded down for transport, and Rear Deployment Platform folded down for easy access to the ARES system from inside the vehicle crew area or on the ground.

The ARES' uniquely engineered rear-lift design minimizes obstructions at the front of the vehicle, providing a much clearer view for the driver, and a far safer operating environment. ARES' two hydraulic cylinders push the **Main Stairway** forward, as the **Lifting Arms** and **Lifting Tension Bars** support the stairway as it elevates.



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

The ARES / Lenco Bearcat, with unique Breaching Platform folded down forming a large platform, which is always level, and parallel to the ground and the steps of the Main Stairway.



The ARES / Lenco Bearcat's innovative Lifting Arm and Lifting Tension Bar design offers the greatest possible reach, on the lightest possible system, while offering incredible strength and stability, which is not possible on a ramp or ladder.



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

In the life or death world of tactical intervention seconds matter, and there is no room for second best. The ARES is the only elevated tactics vehicle that can directly up to three story buildings and the upper doors of the largest commercial airliners in the world, without the need to attach ladders and other accessories, which take valuable time to deploy. ARES allows the greatest number of operators to get to the target, far faster than any other system.

Other elevated tactics systems require the use of ladders or other add-ons to reach the upper doors of these aircraft, but the ARES' large, level Breaching Platform can be driven directly to the breach point, for the fastest and safest intervention in an aircraft hostage scenario, or a building assault.

The ARES system does not require any tools, pre-operation staging, added equipment. or preparation at all. Simply push a button and ARES goes up and is ready for use, exactly as pictured above. ARES directly reaches a height of 8 meters (26.5 feet) in about 30 seconds. with a flat, level Breaching Platform at the top, or up to 9 meters with the 1,8-meter wide, easy to climb, full depth stairway, as pictured to the right.



ARES Breaching Platform raised at the push-of-a-button as a stair extension up to 9 meters.



The ARES / Lenco Bearcat Fully-Armored Elevated Tactics Vehicle with integrated winch, and Front Hydraulic Stabilizers.

All competing elevated tactics systems, when fully extended only directly reach heights of up to 6 meters from the ground, with difficult to climb angled ramps, and all require additional unstable ladders to reach a height of 8 to 9 meters.

The ARES is manufactured in the United States to exacting US military specifications (mil-spec) using only the highest-grade materials and hardware, including aircraft grade aluminum, structural grade mild and stainless steel components, and high-yield strength bolts and fasteners. The ARES is finished with extremely durable coatings, which provide protection against harsh environments, including severe heat, humidity, sand, and salt.



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

The ARES multi-function, automatically deployed Breaching Platform folds rearward to stow out of the way for vehicle transport, and can be flipped forward at the push-of-a-button to form a 1,6m by 1,8m (5' by 6') level, stable platform at the top of the main stairway at heights up to approximately 8m high. Or, the Breaching Platform can also be stood up to add approximately 1 meter (3') to the top of the Main Stairway, for a total system reach of approximately 9m, also at the push-of-a-button.

When used in its flat platform position, it remains parallel to the ground at all times, and is capable of holding up to four (4)

people at one time. This allows an entire team to enter a target at the same time, rather than one at a time, so tactical units can maintain ordinary tactics in other than ordinary locations.



ARES' wide stairs allow operators to easily run up with their guns up, ready to face whatever threat awaits them.



Operators easily stand on ARES' level steps, with a Sniper/Observer team on ARES' level Breaching Platform.

All competing systems require several minutes of additional staging time prior to use, and the attaching of accessory products such as narrow stair attachments or ladders to reach the height ARES can reach directly, 9 meters. All our competitors' attachments must be held in place by people who are therefore vulnerable, and are not taking part in the tactical operation.

Every person, regardless of where they are on the wide, stable ARES stair system, is completely operational, because they can stand on a flat surface, not an angled ramp, or narrow ladder rung. Weapons do not need to be holstered or slung when moving

up and down on the ARES, because your hands are never needed to climb the ARES. It is impossible to climb our

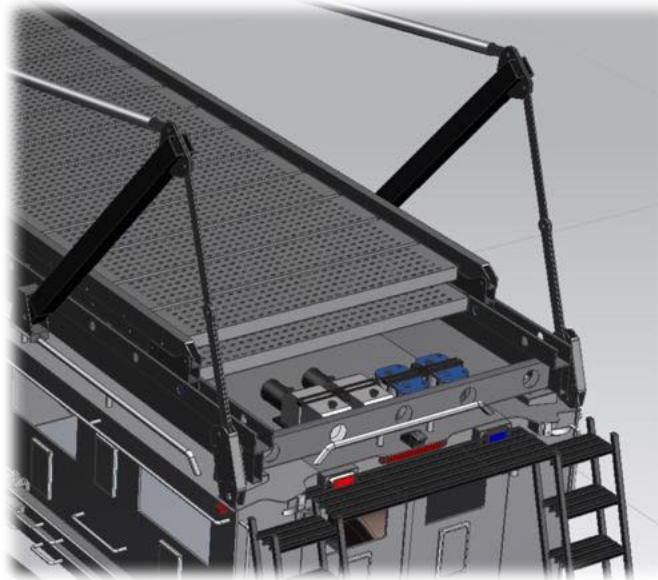


Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

competitors' ladders without using your hands to climb.

The ARES **Vehicle Stabilizer System** can be deployed at the push of a button, in a matter of seconds by the driver, and will reduce the movement of the vehicle's suspension and tires, to provide a much more stable surface on which to climb and conduct tactical operations. MIT invented the use of stabilizers for their elevated tactics systems, and it is one more innovation by MIT that is being copied by competing companies.

The ARES provides unsurpassed traction and safety along all its surfaces, because they remain in a level position always. There is no other system available that allows all its passengers to stand firmly and securely on a flat surface regardless of what angle or height the system is being used at. During a tactical operation it is often necessary for operators to provide security or cover, which is very difficult to do on an angled ramp or ladder, but is very easy to do on ARES' flat stairs. The ARES' Main Stairway is engineered to support the activities and movement of up to eight (8) operators in full gear, and is wide enough to allow three (3) operators to stand side-by-side anywhere on the system.



The self-contained ARES power/hydraulic supply assembly is located beneath the rear platform, allows easy access from maintenance from the top, or the rear.

The ARES' **Automatic Lift-In-Place Handrails** offer safety for operators along the upper portion of the Main Stairway, and the Breaching Platform. These lightweight, yet very strong 6061 T6 aluminum handrails stow in place, out of the way of the stairway system, and they automatically deploy into position as the Main Stairway is elevated. Some of our competitor's handrails have to be installed prior to use, while others have handrails which are stowed on the surface of the operational ramps, requiring the railings to be moved out of the way prior to the use of the ramps.



The ARES dash-mounted Monitor showing the driver the distance to target from the Breaching Platform Camera.

ARES' Handrails quickly set up by simply pushing the button, which raises the Main Stairway and raises the handrails into position, for a safety barrier approximately 36" in height.

The top Breaching Platform's integrated **Docking Camera and Sensor with Dash-mounted Monitor** enables the vehicle's



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

driver to have a visual vantage point from the leading edge of the Breaching Platform as it is approaching a building, aircraft, or other structure. This system also includes **Proximity Sensors** to audibly and visually alert the driver as the Breaching Platform moves close to a structure or obstacle.

The ARES is accessed by 50-centimeter (20") wide **Rear Stairways**, positioned on both sides of the armored vehicles' rear door. These lightweight 6061-T6 aluminum stairs can be easily climbed from the **Automatic Fold-Down Rear Deployment Platform**, which is large enough to allow operators to exit the rear door of the vehicle and climb to the ARES system on the roof while the vehicle is moving. The ARES uses rear stairs because they're far easier to climb than a ladder. Nearly all our competitors use rear access ladders, not stairways.

The **Rappel Fast-Rope Tower (RFT)** is a stainless steel 1.8-meter (6') wide, 2.1-meter (7') tall suspension tower, used to deploy up to 3 operators side-by-side onto a tactical objective, or over a high perimeter barrier via fast-roping or rappelling. The RFT can also be used for high-angle rescues together with the front-bumper mounted **Electric Winch**.

The **Sniper/Observer Platform (SOP)**, is a lightweight, removable platform which can be attached to the Breaching Platform, enabling a two-man sniper/observer team to comfortably position themselves in the most tactically superior position, laying prone behind their rifles and scopes. The SOP is also available with an optional soft ballistic panel beneath, and a low ballistic barrier in front of the sniper team.

The ARES system comes with two (2) **SR-10, 3-meter (10') Stair/Ramps**, which quickly fasten to a base plate that can be located along the system's flat surfaces, allow the Stair/Ramps to have a fixed base when being positioned for use. The Stair/Ramps enable the ARES to be used to deliver operators to two or more distinct elevations and entry points simultaneously.

The adjustable height **Tubular Target Side Deck (T2SD)** system, is a lightweight frame which easily attaches to either side of the Rear Upper Deck, and allows the SR-10 Stair Ramps to be installed horizontally, and easily secured in place to form a wide, deep, secure platform for low-target breaching of buses, trains, and other vehicles. There are numerous attachment points along the length of the Rear Upper Deck, for the side-deployed operators to tie themselves off with lanyards.



ARES' full-width stairway allows operators to easily run up together as a team, not alone and isolated, which is what happens on our competitors' ladders and ramps.



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

The ARES is a completely self-contained system, which mounts quickly to the host vehicle without tools, and requires only an electrical connection from the vehicle's power supply to recharge the ARES' on-board batteries, which are mounted with two hydraulic power units inside the ARES' roof platform. This configuration allows for far easier installation and removal of the ARES system from the vehicle, as well as easy transferring of the ARES system to other host vehicles.

The ARES features superior engineering and design than our competitors, and is a stronger and more capable product. Every component of the ARES has been carefully designed and crafted to enhance the overall capability and stability of the system.

The included hard-wired, **Multi-Function Control Pendant**, controls all functions to raise and lower the ARES, and also to raise and lower the **Automatic Breaching Platform**.

ARES System Dimensions/Reach

ARES Retracted Dimensions	Overall length: 7,6 meters (300") Overall width: 2,59 meters (102") Overall height stowed: 3,2 meters in height (125")
ARES Extended Dimensions – System Reach Height	Direct Reach of ARES Stairway: With Breaching Platform flat = 8m (25.75 feet) With Breaching Platform up = 9m (29 feet) Max height wall breach: By Rappel/Fast-Rope = 7.6m (25 feet)
ARES Capacity	Max personnel on elevated system: 8 (250 lbs each) Max personnel on Breaching Platform: 4 (250 lbs each)
Component Materials	Aircraft grade aluminum and Stainless Steel structural components, Extreme-strength bolts, pins, and fasteners, Grip Strut, high-traction stair treads and decking,



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

2. Lenco Bearcat Armored Vehicle:

Standard Features -

The ARES/Bearcat armored tactical intervention vehicle is designed to deliver a full team of assaulters, operators, or rescuers to an otherwise difficult to reach elevated target, rapidly, and efficiently, while providing the highest level of ballistic protection in an agile vehicle.

The ARES is mounted on a fully-armored Lenco Bearcat, built on a Ford F550, Super Duty truck chassis, with an 8-Cylinder Turbo Diesel, Direct Diesel Injection, with Exhaust Turbocharger, which offers 1017nm torque (750 lbs ft). The Bearcat comes with selectable 4x4 drive, with shift on the fly into 4x2, 4x4H, and 4x4L. It also features vacuum wheel hub locks, electric transfer case lock, and hydraulic power-assist re-circulating ball steering, and a telescopic steering wheel with adjustable height. The made in the USA Ford F550/Bearcat's 151 L Diesel (40 Gallon) fuel tank is fully enclosed in a ballistic and blast protected barrier, and provides long distance driving range, and a maximum speed of 130 kmh (81 mph). The vehicle's exterior surface is flame resistant, fade-resistant black finish, which resists burning by Molotov Cocktails.

The Lenco Bearcat's Level B7 armor, features high-quality materials that comply with international military standards, and the vehicle is engineered to perform and maneuver well in a wide variety of operational settings. The armor system overlaps at all door and window openings to provide adequate protection against ballistic threats at those points. The premium quality, heavy-duty, rust-proof steel ballistic single-layer armor (no double-layer armor) design includes single-piece armored vehicle sidewalls, single-piece armored vehicle rear wall, welded full-armored roof and floor, and armored hood/radiator protection. Armor Certifications from US Army Accredited Test Center.

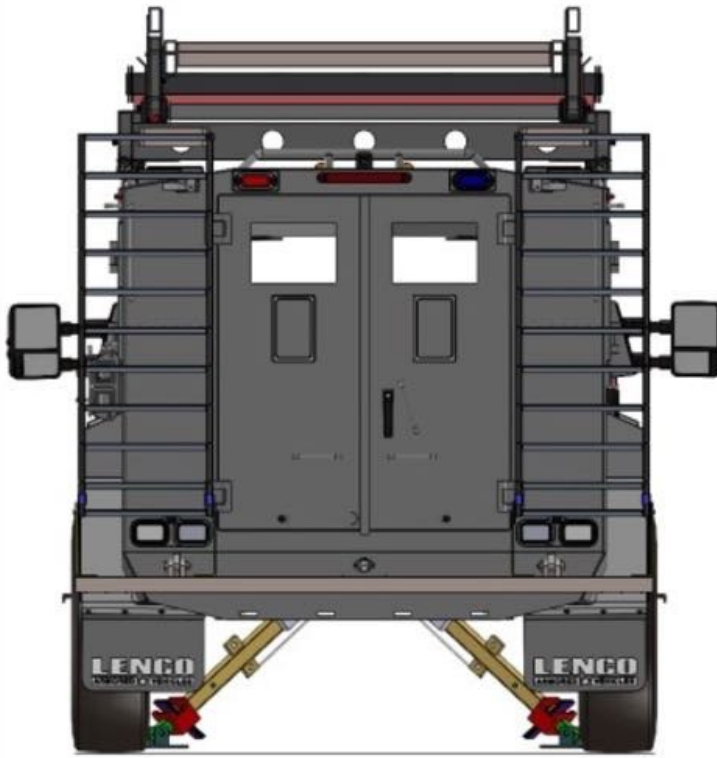


The Lenco Bearcat features circular gun ports on the front doors, and large, rectangular gun ports on the side doors, rear door, rear crew area, to allow for return of fire in every direction.



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

The Bearcat's custom center console, located between the driver and passenger front row seats, holds labeled lighting switches, while additional control switches are installed in the upper header panel. The vehicle also comes with a Rear Backup Camera System and monitor.



The Lenco Bearcat features a wide Rear Platform and 50cm wide, easy to climb rear stairs to reach the ARES system.

The Ford F550's original suspension is replaced and upgraded with heavy-duty front coils, leaf spring packs, shocks, and steering stabilizer to absorb and withstand increased road impact.

All doors have keyed locks with internal master override, and single-throw combat locks for interior locking in case of emergency. The Bearcat vehicle has (5) wide, easily openable doors, to include 2 left side (driver's side) and 2 right side (passenger side) doors, and one rear door. The (4) side doors will lock-out in the 90-degree position. The single rear door will lock out in the 90-degree position or 180-degree position (fully opened). The rear

door also has a protective rubber receiver to keep the door in the open position when needed.

The Lenco trucks' gunports are suitable to accommodate a wide array of weapons systems. There are (2) gunports measuring 12.7 cm (5 inches) round and (10) gunports measuring 17.80 cm (7 inches) rectangle. The (2) round gunports are located in the driver and passenger doors. The rectangle gunports will be (4) per side of the vehicle, and (1) in the rear door. All gunports are one-hand operated, and include an internal 'gunport lock' to prevent accidental, or unauthorized opening from outside the vehicle.

The Lenco Bearcat features EN 1063 level B7 armor protection on all windows, with multi-layer glass laminate. All door hinges are custom machined with internal bearings and grease fittings, for smooth, easy opening and closing, and are heavy duty construction utilizing cold rolled steel, which is fully welded to the sidewall armor and door armor plating.

The interior of vehicle has fully insulated sidewalls, ceiling, and doors, to protect against excessive heat and noise, and the exterior vehicle protrusions are fully sealed against water and sand using a durable, high-temperature sealant. The Bearcat has a desert-climate



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

cooling package, which includes dual radiators, and dual (2) separate air conditioning (AC) systems. The first system is 24,000 BTUs with independent compressor, condenser, and evaporator, with a multi-speed fan with (4) multi-directional air vents located in front cab of the vehicle. The second system is 25,000 BTUs with independent compressor, condenser, and evaporator, and a multi-speed fan with (4) multi-directional air vents and (2) air filters. There are dual internal cabin exhaust fans with external one-way exhaust, controlled via on/off controls on the center console.

The cab and crew areas of the Lenco armored truck include two forms of lighting controlled individually by pressing each fixture. The **Low-Signature Red Tactical Lighting** provides subdued illumination of the entire cab/crew Area for nighttime operations, where light discipline is required for operational security. **White Lights** provide ample illumination for detailed operations in all areas of the truck. The vehicle's floor is a non-slip surface of heavy-duty carpeting, and the crew area is outfitted with bench seating which has storage beneath the seats, to accommodate assault equipment and other gear.

3. Training:

MIT offers a standard one (1) week of Operational and Maintenance Training for the end user to teach them how to use and care for the ARES system. This training will be conducted at the end user's facility, or a facility of their choosing.



Mission Integrated Technologies' elite tactical experts can provide a wide range of instruction, including Hostage Rescue training scenarios, which is pictured here.



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

Additional/Optional Tactical Training

With over a century of specialized law enforcement, intelligence, and military Special Operations experience, MIT's cadre of tactical experts can readily impart their institutional knowledge to increase your team's operational capabilities, enhancing their effectiveness, and reducing their liabilities.

Elevated Tactical Operations Training

As the inventors of the first tactical entry system ever made, the HARAS, and the latest, most advanced system ever built, the ARES, MIT's operators and instructors are uniquely qualified to help your agency develop and hone the skills needed for the utmost capability and effectiveness in elevated tactical situations. Elevated Tactics Systems enable a team to reach and enter an elevated target, but ordinary ground-based skills may not be adequate in such situations. MIT's proprietary *3-D Combat Tactics Training* features a wide array of close quarters combat (CQC), hostage rescue, and site exploitation skills, which will increase the capability of any unit.

High-Risk Tactical Operations Training

Whether your agencies' area of concentration involves warrant service, hostage rescue, tubular targets, fugitive apprehension, etc., MIT's cadre of experts from the FBI, DEA, CIA, and Military Special Operations have the experience and expertise to help expand and elevate your results.

Customized Tactical Training

MIT provides tactical and operational training packages catered to your agency or organization's specific operational needs, including: High-Speed Emergency Vehicle Operations, SWAT Tactical Operations, Close-Quarters Combat, Defensive Tactics, Felony Car Stops, Fast-roping and Rappelling, Tactical Medical Operations, High-Angle Rescue, etc.

Advanced Firearms

With the increased scrutiny facing law enforcement, military, and other tactical personnel, the need for appropriate training has never been greater. From handguns, to sub-machine guns, to long rifles, MIT's firearms instructors will work with your agency to cater a training program that enhances and builds on the core skills needed to thrive in today's tactical environment, and help reduce threats and legal liability.

4. Scope of Work:

MIT warrants that all work to be done and all products to be delivered in the performance



Mission Integrated Technologies, LLC 10 Hazel Park Lane Fredericksburg, VA 22405 USA

of this proposed technical offer will be completed to the highest standards, in accordance with all applicable laws, regulations, and rules.

MIT certifies that the products offered herein will be original, newly manufactured to the highest US Military Specifications (milspec), and that the country of origin for all of the products manufactured and delivered by MIT will be the United States of America.