CANADIAN DESIGNED · BUILT

MISSION READY. ANY TERRAIN.



Drone support platforms on motorcycles, quads, snowmobiles, trucks and vans — dispersed, drone-ready, power-independent systems built in Canada.

// FIELD BRIEFING

DRONE-READY PLATFORMS

Engineered in Calgary, AB.
Built for modern conflict.

PLATFORMS
MOTORCYCLE · ATV · SNOWMOBILE · VAN · TRUCK

DRONE READY
ALTERNATOR + AUX BATTERY

COMMS
STARLINK · TELESAT LIGHTSPEED

// THE PROBLEM

A NEW BATTLEFIELD. A NEW VEHICLE.

On the battlefields of Ukraine an estimated 70-80% of casualties are now inflicted by unmanned systems. Tank on tank battles are a thing of the past. Armoured personnel carriers that once protected soldiers have become vulnerable, slow moving targets.

Constant surveillance of an increasingly deep front line grey zone has made concentrating heavy vehicles impossible. Just as the battleship was replaced by the aircraft carrier, heavy direct attack formations have been replaced by drone units.

Soldiers now find safety in mobility, dispersal and real-time battlefield intelligence. Every small unit needs power to charge drones, run active defence, and operate electronic warfare systems. The side that wins future battles will be the side that can field, service, and control the most drones.

> **"A vehicle that cannot be hidden will not survive."**
> // FIELD ASSESSMENT

// THE SOLUTION

THE RELIABLE SOLUTION.

We don't need to reinvent the wheel. The technology to upgrade light vehicles for military use already exists — and we use it every day. At our production facility in Calgary, Alberta, our sister company Reliable Campers is already building custom Adventure Vans for the civilian market: off-the-shelf platforms like the Mercedes Sprinter AWD fitted with powerful electrical upgrades, communications systems, and field-ready fixtures.

The concept is simple: take proven dual-use technology and adapt it for the modern soldier. Motorcycles, ATVs, snowmobiles, pickups and vans become dispersed, drone-ready, power-independent platforms. Redesigning for military use requires only minor modification — we already know what to do, and we already have the tools to do it.

Our facility is ready to scale. Calgary sits inside a deep network of sub-contractors, suppliers and commercial space with spare capacity. The relationships are in place. We are ready to move now.

// PRODUCT LINE

PLATFORMS

Five vehicle classes. One mission profile: dispersed, drone-ready, power-independent.



MOTORCYCLE & ATV

FAST · LIGHT

Fast, lightweight platforms carrying a small power supply, comms, and drone launcher. System pods detach in seconds — carry them into a building or shell hole.



PICKUP TRUCK & VAN

LOGISTICS WORKHORSE

The workhorses of modern drone formations. Large factory alternators produce serious power; big payload capacity carries battery banks, supplies and heavier systems.



SNOWMOBILE

ARCTIC MOBILITY

Arctic mobility in extreme conditions. Satellite comms, drone charging and drone protection — plus systems to keep soldiers warm with access to hot food.



DRONE HUB

MOBILE COMMAND

A Mercedes Sprinter AWD adapted from civilian Adventure Van tech: complex electrical, data comms, computers — charge, transport and launch drones from one platform.



OFF THE SHELF CUSTOMIZATION

BUILT TO MISSION · ANY PLATFORM

Every operation has its own terrain, payload and signature profile. Beyond our standard platforms, we modify almost any light vehicle — civilian or military — to mission spec. Power, drones, comms, armour, storage, sleeping and cooking: tell us the mission, we build the vehicle to match.

// PLATFORM 01

MOTORCYCLE PROTOTYPE

BMW 800 ADVENTURE · DETACHABLE POD SYSTEM



// SPEC SHEET

BASE	BMW 800 ADVENTURE
PODS	RAPID-DETACH SIDE CASE
PAYLOAD	AUX BATTERY · DRONE
COMMS	STARLINK MINI-READY
ADAPTABLE	ATV · LIGHT VEHICLE

Pictured is our current prototype motorcycle platform built on a BMW 800 model Adventure bike. Perfect for off road or on, and capable of high speed, it comes equipped with detachable side-mounted system pods housing auxiliary battery systems and drone launch terminals. Detachable in seconds, system pods can be carried into a building or shell hole, and operated from cover. While on the move a remote operator or passenger can control the onboard drone, ready to launch offensively or defensively.

This unit houses an onboard auxiliary battery system capable of running the current Starlink Mini or upcoming Telsat Lightspeed terminals, and can be adapted to run electronic warfare systems or active defence. Detachable system pods are easily hooked up to grid power, generator, or solar, for operation when not connected to the host vehicle.

This system can be easily adapted to snowmobiles, ATVs or other light vehicles. Larger drone launch platforms designed for larger drone systems can be mounted by sacrificing the rear passenger seat.

// PLATFORM 02

21ST CENTURY SNOWMOBILE

SKI-DOO SKANDIC BASE · MODULAR ARCTIC SYSTEM



Arctic sovereignty is a key issue facing Canada and other NATO nations. 21st century force projection in the most hostile and remote environments requires innovative upgrades to tried-and-tested vehicles. Our Arctic Fox Project will use the Canadian Forces latest choice for arctic operations as a base, the Ski-Doo Skandic. We are prepared to work with partners across Canada and NATO to develop modular power systems, mobile water boil/cooking units, heating units, communications power sources, and drone launch/protection systems developed for cold weather — all powered from a snowmobile's off-the-shelf alternator or external generator.

MOBILE HEAT

A snowmobile mounted power source combined with a gasoline fired heater provides a hose blasting forced air heat that a soldier can hook up to their snowsuit while they ride, thaw a battery or frozen gas can, or heat a tent at rest. In the arctic, cold is the first enemy. A mobile heat source can save a soldier's life.

WATER BOIL

If you can't boil water for hot food and drinking water you won't last in the Arctic. Stopping to boil on a stove takes time. We are developing a modular system that allows a soldier to boil water electrically on the back of his snowmobile while they ride. Eat fast, stay warm, keep moving.

DRONE PROTECTION · HOT LAUNCH

In deep cold a drone can lose up to 80% of its run time. The mitigation: launch your drone hot, charge your batteries hot. We are developing heated, snowmobile-mounted drone charging enclosures for a major increase in effective battery life. Once returned, the drone is protected from high winds and snow.

COMMUNICATION HUB

Radios are not enough. Low bandwidth will not cut it in modern conflict. Every unit in the field needs access to high speed data at all times. The more remote the location, the more necessary this capability becomes. We mount off-the-shelf platforms such as Starlink Mini or upcoming Telsat Lightspeed on the modular Arctic Fox system.

// PLATFORM 03

OFF-THE-SHELF MOBILIZATION

MERCEDES SPRINTER AWD · CIVILIAN-DERIVED · SCALED



A soldier might be safest in an expensive, hard-to-produce, highly advanced vehicle. The stark reality of military economics is this: we do not have the time and industrial capacity to give every soldier, in every formation, such a vehicle. We cannot let perfect be the enemy of good enough. In an era when tariffs and trade wars are stalling production lines, we have civilian vehicle production capacity to spare. Let's put that capacity to work. Small units need vehicles with complex electrical setups, data communications and computer systems. With these vehicles soldiers can charge, transport and launch drones. They can monitor the battlefield, control unmanned systems, and cook a hot meal. Using the Mercedes Sprinter All-Wheel-Drive as a base we are modifying civilian Adventure Van technology to give soldiers this capability at an affordable price.

// SPEC SHEET

BASE
MERCEDES SPRINTER AWD

POWER
OEM ALT + AUX BANK

COMMS
STARLINK · LIGHTSPEED

PAYLOAD
DRONE TRANSPORT + LAUNCH

CREW
SLEEP · COOK · OPERATE

// PLATFORM 04

CIVILIAN VEHICLES ARE MILITARY RESERVES

LIGHT PICKUP TRUCK · HEAVY PICKUP TRUCK · VAN SYSTEMS





Imagine waking up tomorrow to a military planner's worst case scenario: a full scale attack on a European NATO member state by a battle-hardened adversary with large numbers of experienced drone formations. Transportation of forces would bottleneck a quick response. We know that NATO armies would need huge numbers of light vehicle platforms immediately. There are simply not enough specialized military vehicles in inventory to supply the demands of sudden conflict.

Every vehicle dealership would shortly be bought out of vans, pickup trucks, and any other vehicle of use. Civilian deliveries would be diverted directly to the military. Some soldiers would find themselves immediately on the front line, defending their communities, using their personal vehicles under fire. This is not an unrealistic scenario. We saw it happen in Ukraine. We need to plan for this possibility. Reliable Defence Industries can help.

Adding simple, off-the-shelf upgrades to civilian vehicles can massively increase the survivability of soldiers in combat. Batteries, drone charging systems and satellite data links allow soldiers to communicate vital battlefield information. Launch platforms allow soldiers to protect and rapidly launch defensive and offensive drone systems. On-board power supplies allow active defence systems, electronic warfare, and advanced sensors to be mounted.

Armed forces have reserves — civilians trained and prepared for military service in an emergency. We need vehicle reserves to match. Reliable Defence is prepared to supply upgraded civilian light vehicles, and modular upgrade kits for quick and easy installation in an emergency. Reliable Defence will work with military planners to build systems around common civilian vehicles in their area. Let's not force our soldiers to improvise military upgrades to civilian vehicles while already under fire. We can do better.

// THE CASE

WHY RDI.

Six reasons we are the right partner to build the next generation of Canadian light-vehicle defence systems.

01
// SOVEREIGN
BUILT FOR CANADA, IN CANADA

Every vehicle is designed, fabricated, and integrated in Calgary, Alberta. Canadian engineers, Canadian trades, Canadian supply chain. Sovereign defence capability means the country that fields the kit also builds it — and can keep building it when borders close and shipping lanes get complicated.

02
// EXPERIENCED
EXPERIENCED

Our sister company, Reliable Campers, builds custom Adventure Vans for the civilian market every day — Sprinter and ProMaster chassis with upgraded electrical, communications, climate, and payload systems. The defence variant is the same equipment, hardened for the mission. A production line that is already running.

03
// CAPACITY
RAPIDLY SCALEABLE

Our production model is built around commercial chassis and proven sub-assemblies, not bespoke tooling. We can move from a single prototype to small-series production in weeks, not years. Additional bays, additional shifts, additional sub-contractors — all available locally. Ten units to a hundred, the timeline is months.

04
// SUPPLY CHAIN
SUPPLIER & SUB RELATIONS

Calgary's industrial corridor gives us a deep bench of vetted sub-contractors, fabricators, and component suppliers we have worked with for years. Wiring, sheet metal, machining, upholstery, electronics — every trade we need is within a 30-minute drive. We don't cold-call vendors when an order lands.

05
// BATTLEFIELD PROOF
UKRAINE SHOWS THE NEED

The war in Ukraine has shown that large, slow, high-signature vehicles cannot survive a modern front line saturated with drones. Forces are shifting to fast, dispersed, low-signature light vehicles that can be hidden, abandoned and replaced. NATO needs these systems now — don't make soldiers improvise them under fire.

06
// DUAL USE
PROVEN DUAL-USE TECHNOLOGY

We are not betting the mission on unproven space-tech, software or experimental electronic warfare. The hardware that upgrades a light vehicle for military use already exists — we use it every day to build civilian Adventure Vans. Take proven dual-use technology and adapt it. We already know what to do, and we already have the tools to do it.

// CONTACT

REQUEST A BRIEFING.

We want to hear from you. Let us know what you need. If we can build it, we will.

RDI

RELIABLE DEFENCE
INDUSTRIES

CUSTOM VEHICLE SYSTEMS
CALGARY · CANADA

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