

BOOST

HUMAN EXTERNAL CARGO

SYSTEMS

PRODUCT CATALOG





WHEN LIFE
IS ON THE LINE.

BOOST
HUMAN EXTERNAL CARGO
SYSTEMS



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A NEW LEADER

When helicopter Human External Cargo operations are a mission critical part of your organization, why take a chance operating with non-compliant HEC equipment?

Boost Systems' HEC equipment allows you to take the uncertainty out of your HEC operations. Our systems are fully certified to FAR Part 27.865 and FAA AC133-1B compliant, with STCs issued by the FAA and Transport Canada.

Some of the world's most experienced HEC users have chosen Boost to ensure compliance and peace of mind.
Is it time for you to do the same?

Stop wondering and start working with Boost.

HERE TO HELP

Not just equipment providers, we're also a team of HEC professionals that can help your organization in develop a robust HEC program, train personnel, and navigate regulation. Speak to our team for more information.

BELL 206L/407

Our Bell 407 kit replaces the OEM hook beam and mounting blocks, and has 3 hook mounting lugs for rapid reconfiguration from a single centerline hook to dual HEC hooks (as an elementary task). For maximum operational convenience non-HEC loads may be slung from a single hook while configured with dual hooks.

MAIN KIT COMPONENTS

HEC Hook & Install Kit	P/N B1514-0551
3-Lug Beam Kit	P/N B1514-0521
Cyclic PQRS Kit	P/N B1514-0531
BQRS Control Box	P/N B1514-0221/0231

+ Provisions Kits & Accessories

SUSPENSION LINES

Y-Rope	P/N B1310-4201
Longline	P/N B1310-4211
or	
Y-Longline	P/N B1310-4213

+ Connectors & Carrying Devices



Fully compliant with FAA AC 33-1B & 27.865 requirements.



Pilot controlled removable hook with 1100 lb/500kg HEC Working Load Limit.



Primary & back-up releases both include DAD (dual activation devices).



Primary Quick Release System (PQRS) release conveniently installed on the cyclic stick.



HEC hook can remain installed for non-HEC work to negate downtime for reconfiguration.



Removes need for spotter & door removal (no belly band).



AIRBUS AS350/355

Our AS350/355 kit provisions install quickly and easily - once installed, the mission kit (dual hook and load beam) are installed and removed within minutes. The HEC kit may remain installed at all times for operational convenience if desired.

MAIN KIT COMPONENTS

HEC Beam-Hook Kit P/N B1310-4133
Mount Kit P/N 1310-0501/0503
Cyclic PQRS Kit P/N B1310-0507
BQRS Control Box P/N B1310-0221/0231

+ Provisions Kits & Accessories

SUSPENSION LINES

Y-Rope P/N B1310-4201
Longline P/N B1310-4211
or
Y-Longline P/N B1310-4213

+ Connectors & Carrying Devices



Fully compliant with FAA AC133-1B & 27.865 requirements.



Pilot controlled removable hook with 1,100 lb/ 500 kg HEC Working Load Limit.



Primary & back-up releases both include DAD (dual activation devices).



Primary Quick Release System (PQRS) release conveniently installed on the cyclic stick.



HEC hook can remain installed for non-HEC work to negate downtime for reconfiguration.



Removes need for spotter & door removal (no belly band).



Installed in minutes as an elementary task.



MD500

Our MD500 kit is designed to transport more people with enhanced safety, flexibility & capacity, saving time & potentially – lives. The quick-release hook installs in just minutes & can remain installed during refueling & positioning flights – reducing maintenance requirements & optimizing helicopter operational availability.

MAIN KIT COMPONENTS

HEC Mounting Bracket	P/N 102502-01
HEC Hook	P/N 102506-01
BQRS Control	P/N 102504-01
PQRS Control	P/N 102503-01

+ Provisions Kits & Accessories

SUSPENSION LINES

Y-Rope	P/N B1310-4201
Longline	P/N B1310-4211
or	
Y-Longline	P/N B1310-4213

+ Connectors & Carrying Devices



Fully compliant with FAA AC133-1B & 27.865 requirements.



Pilot controlled removable hook with 900 lb/410kg HEC Working Load Limit.



Removable HEC Hook enables operational flexibility by reducing overall fleet purchase costs.



Hook Spacing avoids unintentional hook contact & risk of damage &/or inadvertent release during flight.



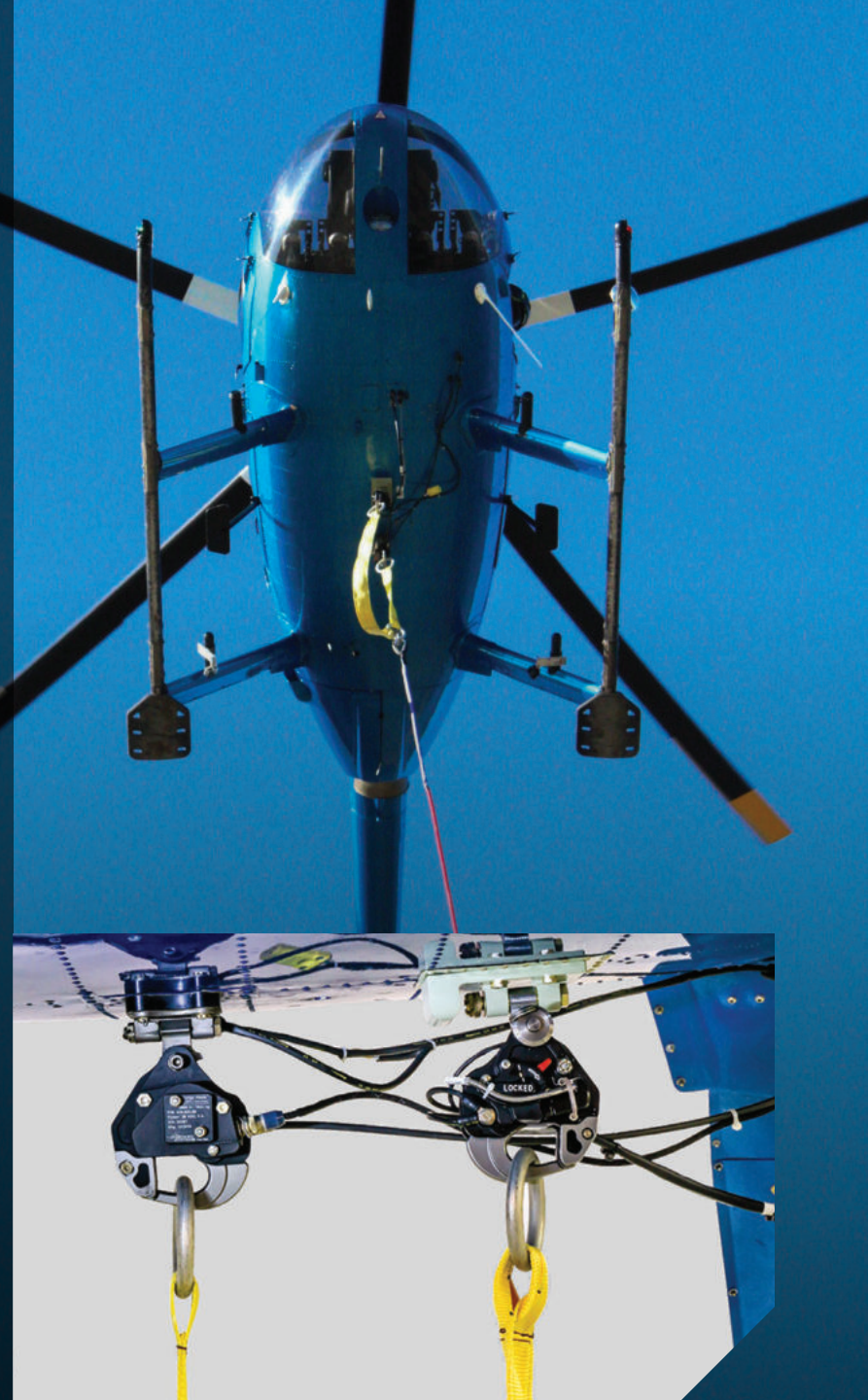
HEC Hook “Stopper Plug” for installation when not performing HEC operations.



Integrated aluminum bumper to prevent fuel tank penetration during a vertical impact.



Most economical system available for your fleet.



BELL 205/212/412

Our Bell 205/212/412 kit is designed & developed to transport more people with enhanced safety, flexibility & capacity, saving time & potentially – lives.

The Bell 205/212/412 system is designed for maximum operational ease and versatility.

MAIN KIT COMPONENTS

HEC Beam Assembly
P/N B1963-212-25-51-902-301
HEC Hook
P/N B1963-212-25-51-907-301
BQRS Control
P/N B1963-212-2551-910-301
PQRS Control
P/N B1963-212-25-51-906-301

+ Provisions Kits & Accessories

SUSPENSION LINES

Y-Rope
Longline
P/N 1017-30-00
P/N B1017-10-00-100-01

+ Connectors & Carrying Devices



Fully compliant with FAA AC133-1B & 29.865 requirements.



Pilot controlled hook with 1,100 lb / 500kg HEC Working Load Limit.



Primary & back-up releases both include DAD (dual activation devices).



Primary Quick Release System (PQRS) release conveniently installed on the collective stick.



HEC hook and beam can remain installed for non-HEC work to negate downtime for reconfiguration.



Removes need for spotter & door removal (no belly band).



Installed in minutes as an elementary task.



SUSPENSION LINES & ATTACHMENTS

BOOST

WLL 1320 LBS (600 KG)

SEE FMS FOR AC LIMITS

400 LBS (182 KG) MAX/SLOT

Y-ROPE OR Y-LONGLINE

Provides redundant load path from the dual hooks. Available either as a Y-Rope with single longline, or as a full dual-path Y-Longline depending on requirements.

Fully approved Personnel Carrying Device System (PCDS) under FAA STC SR03681NY meeting all requirements of Title 14 CFR Part 133 27.865/29.865





HEC LONGLINE

Our HEC longline is included in the STC as an optional PCDS that meets the latest airworthiness standards. WLL: 1320 LBS

SWIVEL

A high quality bearing swivel protects against torque buildup in the case of spinning.

WEIGHT BAG

Weight bag ensures the empty line flies clear of the tail rotor and allows precision placement with no load.

LANYARDS

Attachment lanyards in different configurations to provide an easy connection between the rigging plate and user harness/carrying device.







RIGGING PLATE

The Boost rigging plate is an innovative method of quickly and safely attaching multiple users to the system without interference between the attachment hardware.

AVAO® BOD INT'L HARNESS ————— P/N B1310-C71







AVAO® BOD fall arrest, work positioning, and suspension harness is designed for greater comfort in prolonged suspension. Certified to North American/EU standards.

-  Color(s): Black/Yellow
-  WLL: 310 lbs / 140 kg
-  Size(s): 0/1/2
-  Life (Shelf/Service): 10 yrs / 7 yrs

VOLT® CSA HARNESS ————— P/N B1310-C72







Suitable for flight, fall arrest and work positioning. Vest ensures harness keeps shape and the buckles on waistbelt/leg loops allow harness to be donned with feet on the ground.

-  Color(s): Black/Yellow
-  WLL: 310 lbs / 140 kg
-  Size(s): 0/1/2
-  Life (Shelf/Service): 10 yrs / 7 yrs

HELI-OPS HARNESS ————— P/N B1310-388







The 338-ARS Heli-Ops harness was designed by helicopter operations professionals to create a functional, comfortable, lightweight, and durable full-body Class III Life Safety Harness.

-  Color(s): Red, Blue
-  WLL: 310 lbs / 140 kg
-  Size(s): S/M, L/XL
-  Life (Shelf/Service): 10 yrs / 7 yrs

VOYAGER HARNESS ————— P/N B1310-380







Versatile suspension harness with multiple attachment points.

-  Color(s): Black, Blue
-  WLL: 310 lbs / 140 kg
-  Size(s): S/M/L/XL
-  Life (Shelf/Service): 10 yrs / 7 yrs

VOYAGER RIGGERS HARNESS — P/N B1310-380R







Lightweight Class III harness with positioning rings and multiple attachment points.

-  Color(s): Black
-  WLL: 310 lbs / 140 kg
-  Size(s): XS/S/M/L/XL
-  Life (Shelf/Service): 10 yrs / 7 yrs

TECHNICAL RESCUE II HARNESS — P/N B1310-384







A tuned down super lightweight version of the popular Voyager Harness.

-  Color(s): Blue
-  WLL: 310 lbs / 140 kg
-  Size(s): S/M, L/XL
-  Life (Shelf/Service): 10 yrs / 7 yrs

BASIC RIGGING HARNESS — P/N B1310-386







Tuned down lightweight version of the Voyager harness for rigging and and suspension work.

-  Color(s): Black
-  WLL: 310 lbs / 140 kg
-  Size(s): S/M, L/XL
-  Life (Shelf/Service): 10 yrs / 7 yrs

BASIC ROPE ACCESS HARNESS — P/N B1310-387







A tuned down version of the RTR Tower Access harness.

-  Color(s): Black
-  WLL: 310 lbs / 140 kg
-  Size(s): S/M, L/XL
-  Life (Shelf/Service): 10 yrs / 7 yrs

RTR TOWER ACCESS HARNESS — P/N B1310-390







Harness designed to meet the demands of the transmission line worker, structural access professional and arborist.

-  Color(s): Black/Purple
-  WLL: 310 lbs / 140 kg
-  Size(s): S/M, L/XL
-  Life (Shelf/Service): 10 yrs / 7 yrs

ROPE ACCESS LINEMAN HARNESS — P/N 1310-390FRA







Designed In conjunction many of the western utility companies including PG&E, the 390FRA was designed to meet the needs of the transmission tower worker.

-  Color(s): Blue/Black
-  WLL: 310 lbs / 140 kg
-  Size(s): S/M, L/XL
-  Life (Shelf/Service): 10 yrs / 7 yrs

CONSTRUCTION LINEMAN HARNESS - P/N B1310-390FRC







The 390FRC harness was designed to meet the stringent requirements of ASTM F887-13 Electric Arc-Flash rating for personal climbing equipment.

-  Color(s): Blue/Black
-  WLL: 310 lbs / 140 kg
-  Size(s): M/L/XL/XXL/XXXL
-  Life (Shelf/Service): 10 yrs / 7 yr

ROPEWORKS ACCESS HARNESS — P/N B1310-RW-H11



Versatile suspension harness with rear attachment point and leg pads.





-  Color(s): Black
-  WLL: 310 lbs / 140 kg
-  Size(s): S/M/L
-  Life (Shelf/Service): 10 yrs / 7 yrs

CHEST'AIR

P/N B1310-C98A



The CHEST'AIR chest harness transforms the FALCON, FALCON MOUNTAIN, AVAO SIT and SEQUOIA SRT seat harnesses into fall arrest harnesses. Connects simply to the harness ventral attachment point for rapid installation. It adapts easily to all body types with its DOUBLEBACK self-locking buckles on the shoulder straps and ventral strap.





-  Color(s): Black
-  WLL: 310 lbs / 140 kg
-  Size(s): OSFA
-  Life (Shelf/Service): 10 yrs / 5 yrs

ADJAMA SIT HARNESS

P/N B1310-C022



Climbing and mountaineering harness with adjustable leg loops. Use with CHEST'AIR shoulder harness to convert to a full body harness for flight.





-  Color(s): Blue
-  WLL: 310 lbs / 140 kg
-  Size(s): S,M,L,XL
-  Life (Shelf/Service): 10 yrs / 5 yrs

FALCON SIT HARNESS

P/N B1310-C038



Lightweight seat harness for suspended rescue. Use with CHEST'AIR to convert to a full body harness for flight.

-  Color(s): Black, Black/Yellow
-  WLL: 310 lbs / 140 kg
-  Size(s): 0,1,2
-  Life (Shelf/Service): 10 yrs / 5 yrs

FALCON MTN SIT HARNESS — P/N B1310-C038CA



Very lightweight seat harness for rescue operations involving technical climbing. Use with CHEST'AIR to convert to a full body harness for flight.

- Color(s): Black/Grey
- WLL: 310 lbs / 140 kg
- Size(s): 1,2
- Life (Shelf/Service): 10 yrs / 5 yrs

SEQUOIA SRT SEAT HARNESS — P/N B1310-C069



Designed for comfort, the extrawide, semi-rigid waistbelt and leg loops give excellent support. Use with CHEST'AIR to convert to a full body harness for flight.

- Color(s): Black/Grey
- WLL: 310 lbs / 140 kg
- Size(s): S/M, L/XL
- Life (Shelf/Service): 10 yrs / 5 yrs

BOOSTER EVAC HARNESS — P/N B1310-4263



The Booster Harness is designed as one size fits all for quick extractions. Cut outs for optional restraint belt to secure smaller subjects.

- Color(s): Red
- WLL: 400 lbs / 182 kg
- Size(s): OSFA
- Life (Shelf/Service): 12 yrs / 10 yrs

BOOSTER AERIAL PLATFORM BAG — P/N B1310-4265







The largest patient transport bag available with a load limit of 400 LBS. Designed to accommodate most basket stretchers and spinal immobilization devices.

- Color(s): Red
- WLL: 400 lbs / 182 kg
- Size(s): OSFA
- Life (Shelf/Service): 12 yrs / 10 yrs

LANYARDS & RESTRAINT STRAPS — P/N B1310-4XXX-XXX







Attachment lanyards in different configurations to provide an easy connection between the rigging plate and user harness/ carrying device.

-  Color(s): Black
-  WLL: 400 lbs / 182 kg
-  Size(s): Various
-  Life (Shelf/Service): 12 yrs / 10 yrs

HELITACK AIRBAG — P/N B1310-724247







The Helitack AirBag™ is designed for rapid extraction of a subject by means of a single-point suspension from a helicopter by short-haul or hoist evacuation.

-  Color(s): Red/Grey/Black
-  WLL: 400 lbs / 182 kg
-  Size(s): OSFA
-  Life (Shelf/Service): 12 yrs / 10 yrs

HELITACK HOTSEAT — P/N B1310-742468







The Helitack HotSeat™ is designed for rapid transport of a subject. Quick-donning, expedites rescue by securing subject in a stable semi-seated orientation for evacuation without need for a harness.

-  Color(s): Red
-  WLL: 310 lbs / 140 kg
-  Size(s): OSFA
-  Life (Shelf/Service): 10 yrs / 7 yrs

PITAGOR EVAC TRIANGLE — P/N B1310-C80BR



The PITAGOR is an evacuation triangle with shoulder straps that are easily donned and adjusted thanks to the DOUBLEBACK selflocking buckles.

-  Color(s): Red
-  WLL: 310 lbs / 140 kg
-  Size(s): S/M/L
-  Life (Shelf/Service): 10 yrs / 5 yrs


TRAINING & SUPPORT

When performing any precision teamwork-oriented task, comprehensive training is a critical part of risk mitigation. Helicopter Human External Cargo is an operation that demands the highest levels of communication and teamwork to ensure risk remains low.

When selecting a training provider for HEC, we believe strongly in selecting a provider with in-depth experience in different types of HEC operations, as well as intimate knowledge of the specific equipment used for the operation, which can reduce human factors risk.

Boost Systems provides world-class training for HEC techniques and the Boost HEC system. Speak to one of our experts to discuss your requirements and how Boost training could benefit your organization.





RISK MITIGATION IS CRITICAL. TO BUILD AND MAINTAIN A WORLD CLASS HEC PROGRAM, TRAIN WITH BOOST SYSTEMS, THE EXPERTS.



GLOBAL

Direct user support
worldwide



RESPONSE

Our experts are always
available to discuss your
use case or specialty
requirements



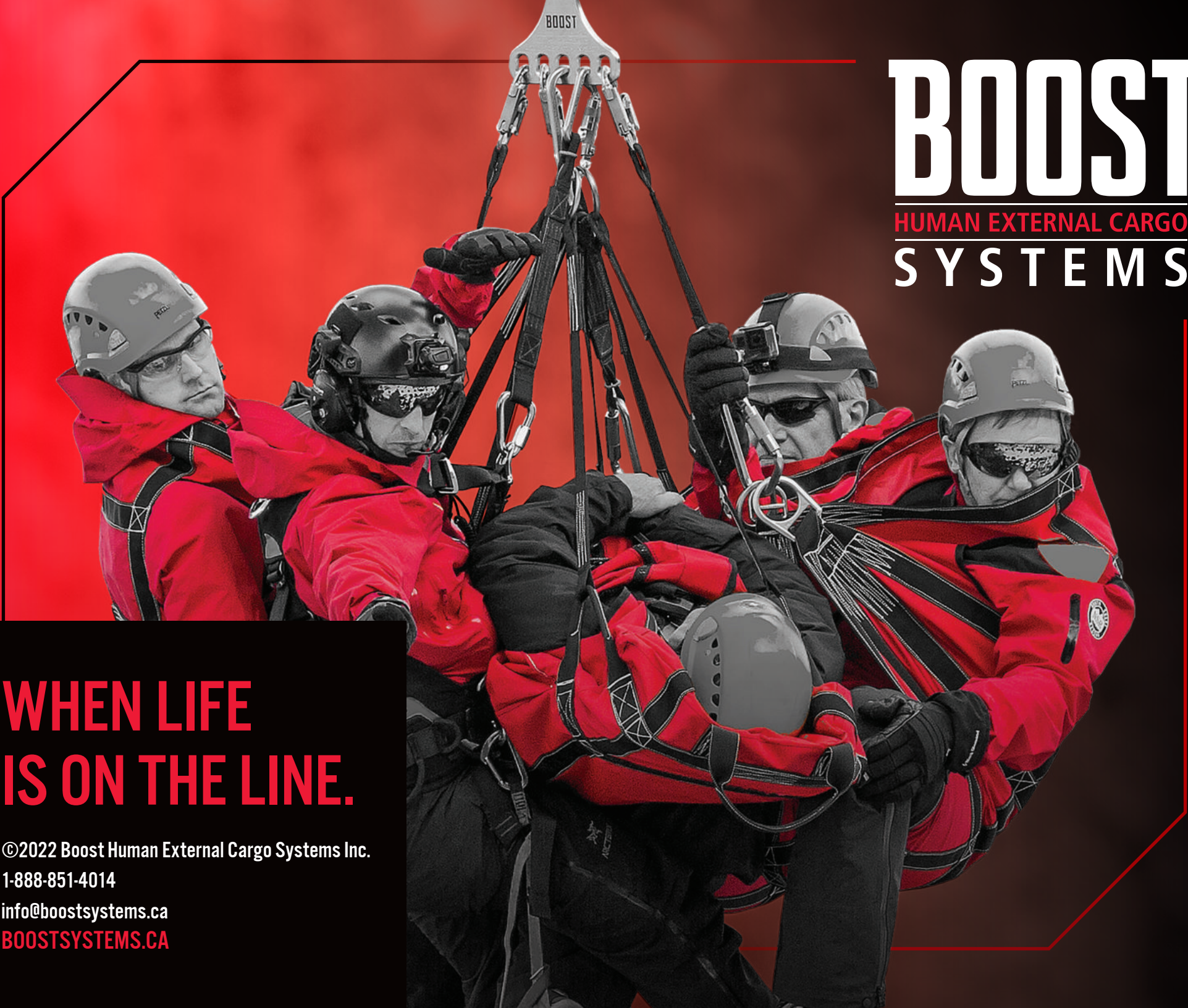
ONSITE

We can facilitate training
at our location with our
highly experienced
pilots and technicians, or
arrange training for users
and pilots at your location



FULLY DOCUMENTED

Professional training
materials and records
provided



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