

East Bay Regional Park District

Police Department

**AIR SUPPORT UNIT**

**2024**

Sergeant Fred Greer

Chief Pilot

Board Operations Committee

November 20<sup>th</sup>, 2024

**East Bay**   
Regional Park  
District

*Healthy Parks Healthy People*

# EXPANDING OUR ROLE



## **SEARCH, RESCUE, EXTRACTION**

**When park users become injured or experience a medical emergency, many of these incidents occur in remote and inaccessible areas. If our district Air Support Unit could locate AND rescue downed park users, it would reduce response times and increase care capability due to the team's geographic expertise of the Park District.**

# STEPS WE HAVE ALREADY TAKEN



## ASU HAS TAKEN INITIATIVE TO INCREASE ABILITY TO RESPOND AND ASSIST

- **Implemented a scanning communication system in the hangar to more quickly receive calls for help.**
- **Tactical flight officers are now attending intensive accelerated Emergency Medical Technician (EMT) courses.**

# STEPS WE HAVE ALREADY TAKEN



- **Currently upgraded to EMT level medical bags with AED machines in the helicopters.**
- **Initiated efforts to strengthen network and train directly with county search and rescue.**
- **Implemented training on landings at all local hospital trauma pads.**

# REAL RESCUES/REAL NEED



**BRIONES**



**BAY POINT**



**WILDCAT**



**DEL VALLE**

# EQUIPMENT AND TRAINING



**THE ONLY FAA  
SUPPLEMENTAL  
TYPE  
CERTIFICATE  
SYSTEM  
APPROVED FOR  
OUR AIRCRAFT**

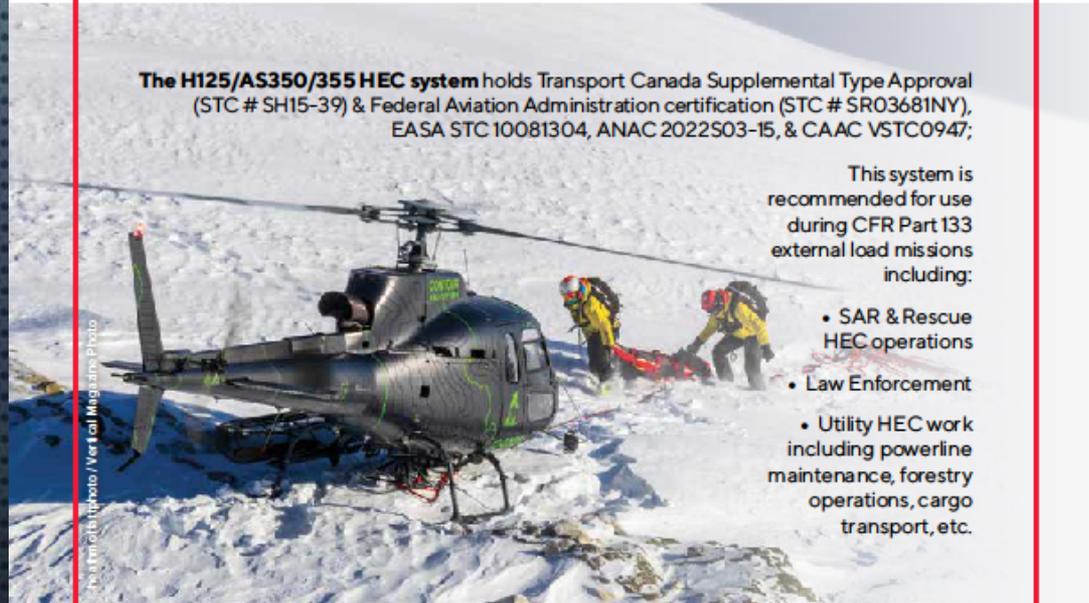
## AIRBUS H125/AS350/355 SERIES HEC SYSTEM

**BOOST**  
SYSTEMS

The H125/AS350/355 HEC system holds Transport Canada Supplemental Type Approval (STC # SH15-39) & Federal Aviation Administration certification (STC # SR03681NY), EASA STC 10081304, ANAC 2022S03-15, & CAAC VSTC0947;

This system is recommended for use during CFR Part 133 external load missions including:

- SAR & Rescue HEC operations
- Law Enforcement
- Utility HEC work including powerline maintenance, forestry operations, cargo transport, etc.



Boost Systems' Airbus H125/AS350/AS355 Human External Cargo dual hook system is designed & developed to transport more people with enhanced safety, flexibility & capacity, saving time & potentially – lives.

The H125/AS350/AS355 HEC quick-release hook assembly installs in minutes & can remain on the helicopter through refueling & positioning flights - reducing maintenance requirements & optimizing helicopter availability.

# WIDELY USED AND TRUSTED



## BOOST HUMAN EXTERNAL CARGO SYSTEMS CLIENT LIST

APRIL 2024

AIR REGA  
 SWISS HELICOPTERS  
 BLUGEDON HELICOPTERS  
 ELIOSSOLA  
 BELL HELICOPTERS  
 AIRBUS HELICOPTERS  
 STATE GRID GENERAL AVIATION COMPANY  
 SOUTHERN CHINA AIRLINES  
 NEW ZEALAND DEPARTMENT OF CONSERVATION  
 UNITED STATES NATIONAL PARK SERVICE  
 UNITED STATES NATIONAL FOREST SERVICE  
 PARKS CANADA VISITOR SAFETY  
 ROYAL CANADIAN MOUNTED POLICE  
 SONOMA COUNTY SHERIFFS OFFICE  
 MINNESOTA FIRE DEPARTMENT  
 MINNESOTA AERIAL RESCUE TEAM  
 NORTH SHORE SEARCH AND RESCUE  
 GOLDEN SEARCH AND RESCUE  
 NELSON SEARCH AND RESCUE  
 FERNIE SEARCH AND RESCUE  
 ROCKY MOUNTAIN SEARCH AND RESCUE  
 TETON COUNTY SEARCH AND RESCUE  
 SASKATCHEWAN POWER  
 FORBES BROTHERS  
 ESKOM POWER  
 ALPINE HELICOPTERS  
 ALTITUDE HELICOPTERS  
 CANADIAN HELICOPTERS  
 SAN ANTONIO POLICE DEPARTMENT  
 TOPFLIGHT ELITE TRAINING AND CHARTER  
 PAPILLON GRAND CANYON HELICOPTERS  
 MISSION SAFETY  
 HELICOPTER POWERLINE SERVICES  
 SLAVE LAKE HELICOPTERS  
 HELIQWEST AVIATION INC.  
 HIGH TERRAIN HELICOPTERS LTD.  
 HORIZON HELICOPTERS LTD.  
 KOOTENAY VALLEY HELICOPTERS LTD.  
 LR HELICOPTERS  
 SUMMIT HELICOPTERS  
 LOS ANGELES DEPT. OF WATER AND POWER  
 FEDERAL MINISTRY OF INTERIOR DEPT. POLICE AIR SUPPORT AUSTRIA  
 FEDERAL EMERGENCY MANAGEMENT AGENCY; PUERTO RICO POWER AUTHORITY



AIR ZERMATT  
 AIR GLACIERS  
 BLACKCOMB HELICOPTERS  
 ASCENT HELICOPTERS  
 BIGHORN HELICOPTERS  
 ARROW HELICOPTERS  
 AHLSTROM HELICOPTERS  
 A&J STEEL  
 DAM HELICOPTERS  
 COQUITLAM SEARCH AND RESCUE  
 ALBERTA WILDFIRE  
 COBRA AVIATION  
 DOONEY AVIATION  
 SINTON HELICOPTERS  
 YELLOWHEAD HELICOPTERS



# BOOST HUMAN EXTERNAL CARGO SYSTEMS

QUEBEC HYDRO  
 LOHMAN HELICOPTERS  
 HELI EXPRESS  
 TEMSCO HELICOPTERS  
 CHILLIWACK SEARCH AND RESCUE  
 HELI-DUNN  
 HELI LINTH



METRO AVIATION  
 HELI EVEREST PTY. LTD.  
 HELIAIR SWEDEN  
 VOLTAGE POWER  
 HELI-1 CORPORATION  
 MASTERLINK CORPORATION  
 AXIS MOUNTAIN TECHNICAL  
 RIO TINTO ALCAN  
 6 POINTS ENGINEERING  
 ROTOR SUPPORT NEW ZEALAND  
 HELICOPTER LINE NEW ZEALAND  
 CONTOUR HELICOPTERS LTD.  
 COASTAL HELICOPTERS LLC  
 HILLSBORD AVIATION  
 LEADING EDGE HELICOPTERS  
 HELI OPS  
 HELI SUPPORT  
 PRECISION HELICOPTERS  
 ROKSTAD  
 SQUAMISH SEARCH AND RESCUE  
 VALLARD  
 FINN AIR  
 EAGLE HELICOPTERS  
 HOWE AVIATION  
 HIGHLINE HELICOPTERS  
 HELI WELDERS CANADA LTD.  
 TEAJIN AIRCORP  
 MUSTANG HELICOPTERS  
 HELI-INTER  
 VALLEY HELICOPTERS  
 AIRSPAN HELICOPTERS  
 TALON HELICOPTERS  
 ROTOR CRAFT SERVICES  
 SKYDANCE HELICOPTERS  
 REDDING AIR SERVICES  
 FIREHAWK HELICOPTERS  
 GLIDE AVIATION  
 BC HYDRO  
 HELI BERNINA  
 ENGLISH AIR SERVICES  
 CAPITOL HELICOPTERS  
 SALMON RIVER HELICOPTERS



# SYSTEM IN ACTION



# OTHER ADVANTAGES



## EXTERNAL LOAD AIR SUPPORT SERVICE TO THE DISTRICT

**With completion of this training and installation of the equipment, ASU can implement Long Line Utility services, in addition to rescue services to the entire Park District.**

- Insertion/extraction of Fire Fighters.**
- External load capabilities to insert/recover District equipment from remote areas.**

# BOOST SYSTEM PACKAGE



## INCLUDED:

- **All needed hardware for both helicopters.**
- **All lines, harnesses, connections and equipment.**
- **Full training package for Pilots and Tactical Flight Officers**
- **Full installation by advanced helicopter services.**

# ASSOCIATED BUDGET COSTS



## FISCAL IMPACT

### **BOOST Systems Vendor**

- **Highly experienced advanced helicopter systems installation with performance that is reliable and safe.**
- **Local and long-term professional relationship**

**Funding identified within Public Safety budget with a total project amount of \$158,000.**

# RECOMMENDATION



**The Air Support Unit highly recommends this addition of training and equipment to dramatically increase life saving capabilities for our park users, and act as a larger resource to the Park District as a whole.**

QUESTIONS?



**THANK YOU!**