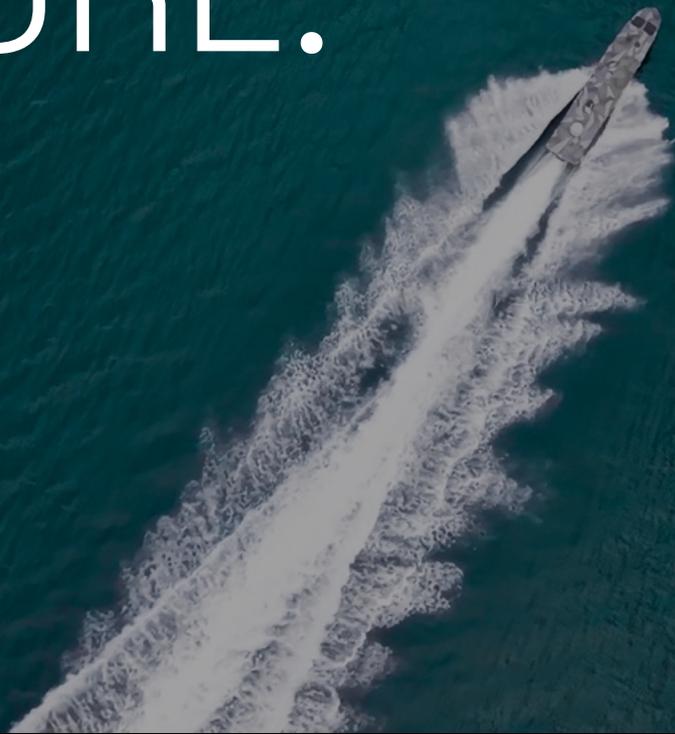


DEFENDING  
THE FUTURE.



# Introduction of FROST UNMANNED

Founded in 2018 and born from defense needs, Frost Unmanned is dedicated to becoming a pioneering leader in the unmanned technology industry, focusing on leveraging innovative solutions to address critical defense and security challenges.



HQ:

Stenungsund  
Sweden



Swedish:

Ownership, IP/technology,  
and production.



- High resiliency, performance, and cost effectiveness.
- Dedicated to ensuring mission-critical requirements are met.



 **FROST**  
UNMANNED

# The Team - Management and Board of Directors

Frost Unmanned is led by a team of founders, executives, and directors with deep expertise in naval operations, military strategy, aerospace, and satellite communications - including leadership experience within the Swedish Navy and Armed Forces.



**Kris Moell**  
CEO and Director

- Co-founder of Frost Unmanned;
- Embry-Riddle Aeronautical University (2012-2015).
- Operational pilot airline in Asia.
- Flight instructor.
- Private jet management company;
- His leadership drives Frost's mission to deliver cutting-edge UAV and USV solutions, positioning the company as a leader in autonomous defense technology.



**Johan Brandt**  
CFO

- Johan Brandt has 20+ years of experience in finance, focusing on the CFO agenda.
- Listed and PE environment.
- International Tech companies
- Previously held senior roles at EY, Nimbus Group, Arcam, and Ovzon.
- Holds an MSC in Business and Economics and Business from the School of Economics and Commercial Law in Gothenburg.



**Henry Nieminen**  
Senior Advisor

- Chairman of the Board at Netox Oy and Dicode Oy.
- Board Member at Digia Oyj, Temet Group Oy, Comatec Mobility, Oy, and Tampereen Energia.
- Senior Advisor at Ovzon AB.
- Former CEO of Insta Group.
- Former strategic partner of the Finnish Defense Forces.
- Former CEO of Fujitsu Finland and the Baltic States.
- Former SVP at CGI and Logica.



**Stefan Gustafsson**  
Chairman

- Former COO for the Swedish Naval Forces and Chief Strategy Officer for the Supreme Commander.
- Swedish Space Corporation as CSO.
- Has deep expertise in integrating space-based assets with military operations.
- Maintains a powerful network within military, industrial, and governmental leadership in Sweden, NATO, and allied nations.



**Per Wahlberg**  
Director

- Co-founded SWE-DISH Satellite Systems.
- Developed the prototype and built a global sales operation, delivering satellite terminals to major clients, including the U.S. DoD.
- Founded Ovzon AB, a publicly listed company offering a unique satcom solution. Ovzon serves the U.S. DoD, NATO forces, and civil defence agencies.



**George Jones**  
Head of Autonomy

- PhD in Distributed Algorithms, specialising in non-myopic sensing and autonomous systems.
- MEng in aerospace engineering from the University of Liverpool
- Former co-founder and technical director of Emerging Data Technologies.
- Proven track record in securing and delivering R&D funding, translating research into deployable systems.

# OUR SOLUTIONS



# TRACER 160

## **DIMENSIONS**

1.6 M LENGTH

1.36 M WINGSPAN

0.10 M HEIGHT WITHOUT FINS

0.6 M HEIGHT WITH FINS

## **WEIGHT (MTOW)**

17 KG ( ~ 38 POUNDS )

## **PAYLOAD**

2.0 KG ( ~ 4.4 POUNDS )

## **PROPULSION**

DIESEL / JET-A1, TURBINE

## **SPEED (MAX)**

225 KNOTS (~425 KMH)

## **SPEED (CRUISE)**

110 KNOTS (~200 KMH)

## **RANGE**

90 NM (~170 KM)

## **LINK**

VHF, cellular, SATCOM

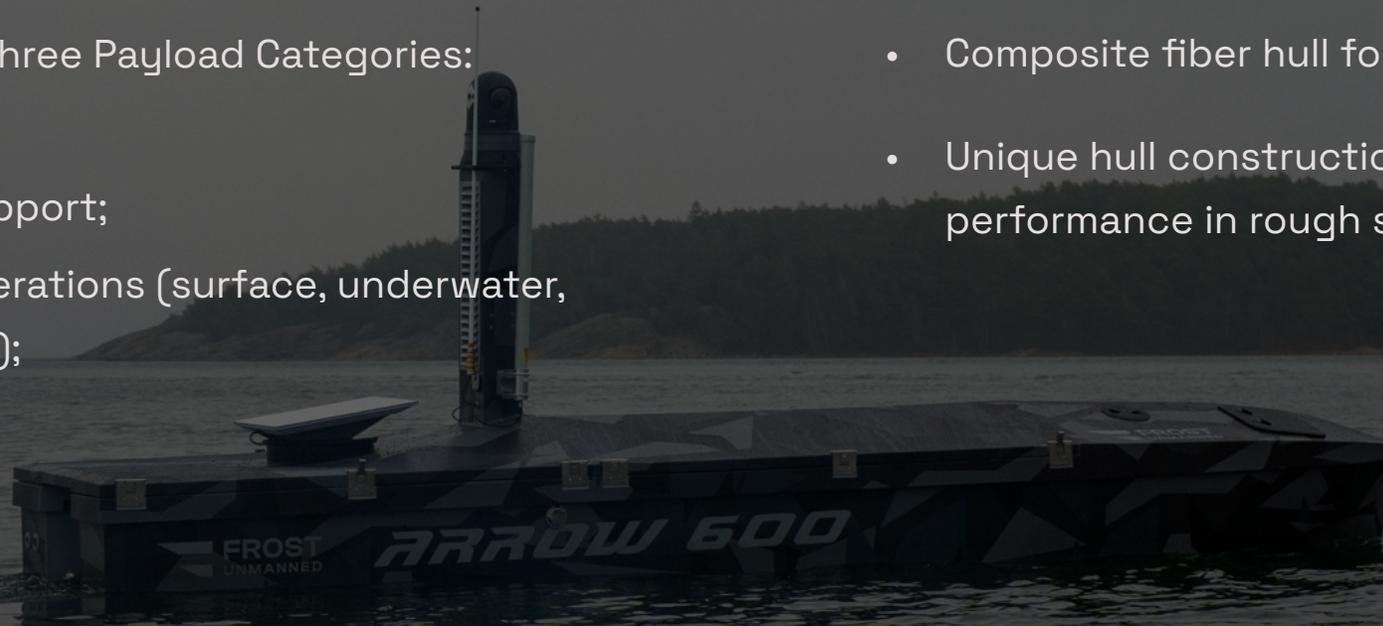
## **OPERATION TEMPERATURE**

FROM -20° TO +55°



# ARROW AS A PLATFORM

- Three variants, Arrow 600, 900 and 1200;
- **Modularity:** Three Payload Categories:
  - ISR;
  - Logistic Support;
  - Combat Operations (surface, underwater, air, and shore);
- **Resilient** High-Data throughput Satcom System for real-time broadband sensor data gathering and M&C;
- Composite fiber hull for maximized robustness;
- Unique hull construction for optimized performance in rough sea conditions.



# ARROW 600

## DIMENSIONS

5.89 LENGTH OVERALL

1.15 BEAM

0.88 M HEIGHT FROM KEEL TO TOP OF THE DECK

## DRY WEIGHT

615 KG ( ~ 1356 POUNDS )

## FULL DISPLACEMENT

1132 KG ( ~ 2495 POUNDS )

## PAYLOAD

250 KG ( ~ 550 POUNDS )

## ENGINE

DIESEL (OPTIONAL ELECTRIC  
ADD-ON ENGINE FOR ISR MISSIONS)

## PROPULSION

WATERJET

## RANGE

200 NM ( ~ 370 KM )

## SPEED

UP TO 35 KNOTS ( 65 KM/H )

## OPERATION LIMIT

SEA STATE: 5



# ARROW PAYLOADS - MODULAR DESIGN

## LOGISTICS

- **Personnel Transport:** Safe transport of military personnel to and from remote or high-risk locations.
- **Medical Evacuation:** The emergency evacuation of wounded personnel, accompanied by provisions for support.
- **Supply Delivery:** Transport of essential supplies such as ammunition, food, and medical equipment to support field operations
- **Mine Sweeping and Laying:** Conducting mine-sweeping operations to clear naval routes or laying mines as part of defensive strategies.

## ISR

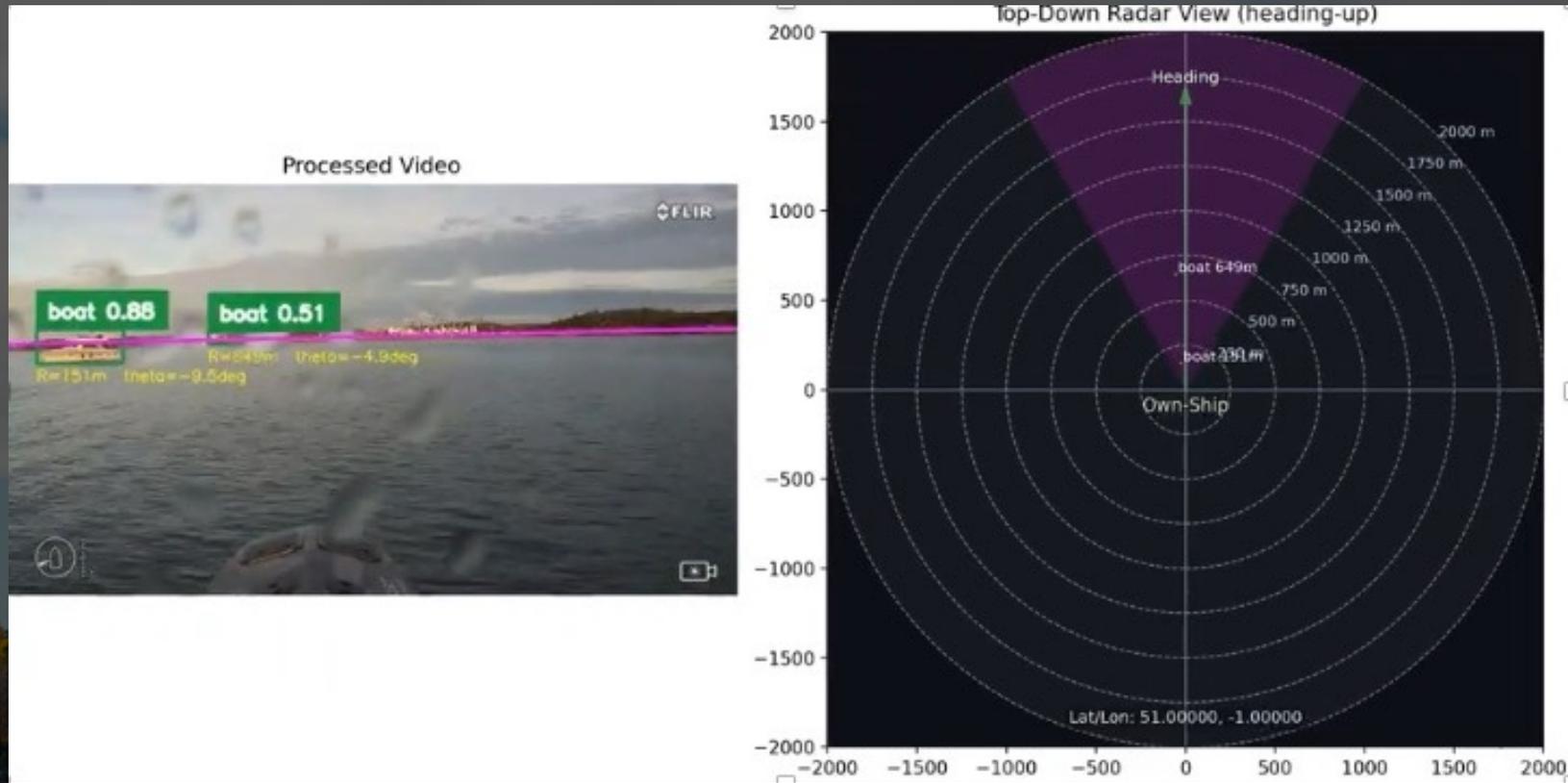
- **Coastal Surveillance:** Continuous monitoring of coastal areas for potential threats or illegal activities.
- **Reconnaissance Missions:** Gathering real-time intelligence in contested zones without putting personnel at risk.
- **Search and Rescue Support:** Assisting search and rescue operations with thermal imaging and high-resolution cameras to locate missing individuals.

## COMBAT

- **Missile Deployment:** Equipped with missile systems (Hellfire) for offensive strikes on high-value targets.
- **UUV/Torpedo Deployment:** UUV or torpedo through optional underwater cargo lids
- **Steerable Explosive Payload:** Payload with explosives targeting and impacting high-value enemy assets, such as ships or infrastructure.



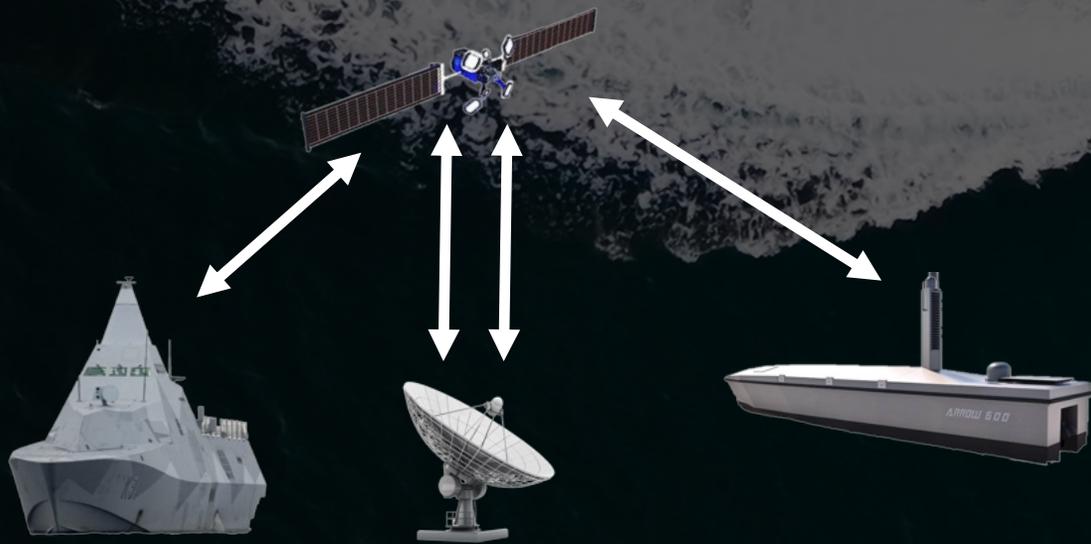
# ADVANCED SITUATIONAL AWARENESS – FROST SENTINEL



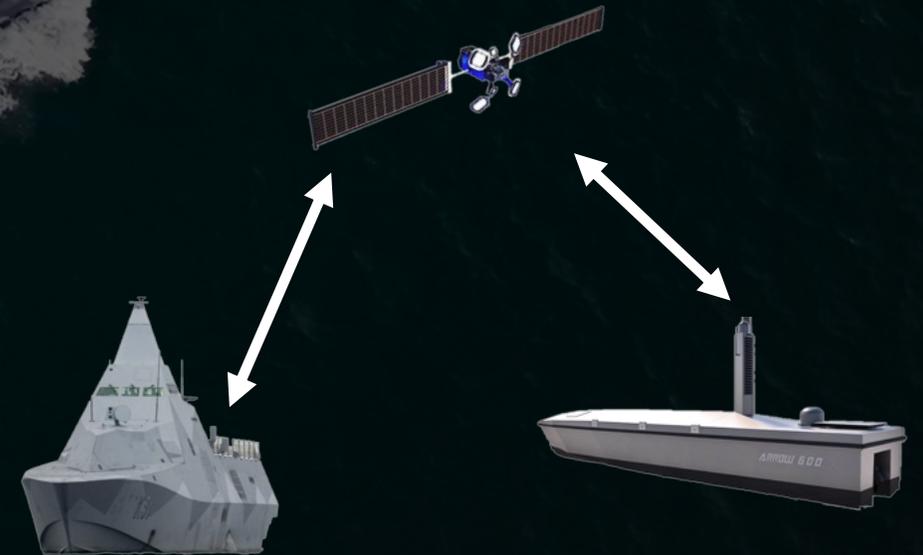
# RESILIENT SATCOM

- Traditional satellites are reliant on terrestrial teleports for switching and routing: Our SATCOM solution does this in space
- Single-hop connectivity to unmanned systems makes the SATCOM solution uniquely relevant

TRADITIONAL  
"DOUBLE HOP"



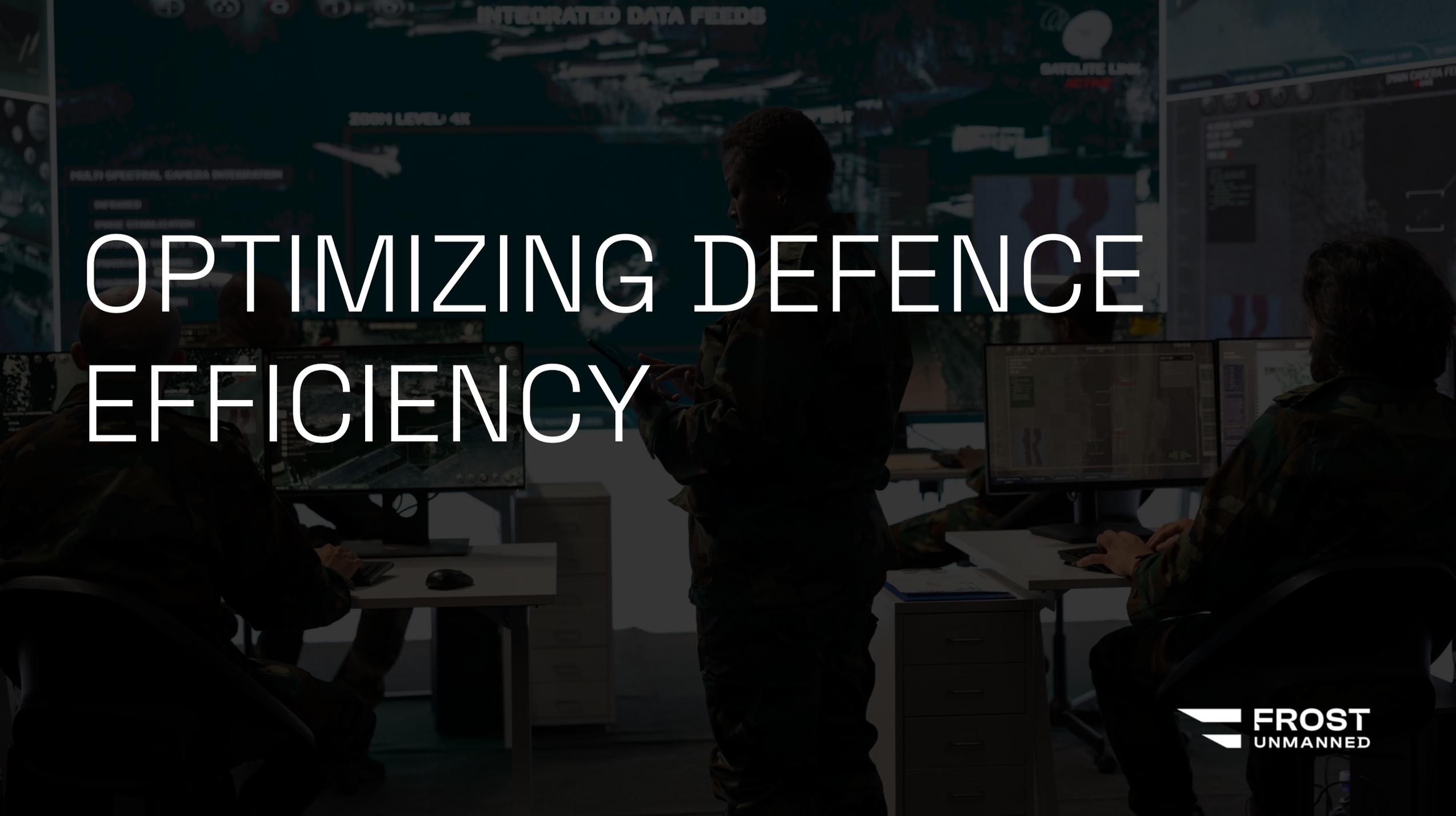
FROST SATCOM  
SOLUTION



# CONCEPTUAL APPROACH







# OPTIMIZING DEFENCE EFFICIENCY

# OPTIMIZING DEFENSE EFFICIENCY

## SOVEREIGN CONTROL

Produced in Sweden.

## OPERATIONAL EFFICIENCY

Reduces personnel risk, operational costs, and boosts mission success.

## SCALABLE SOLUTIONS

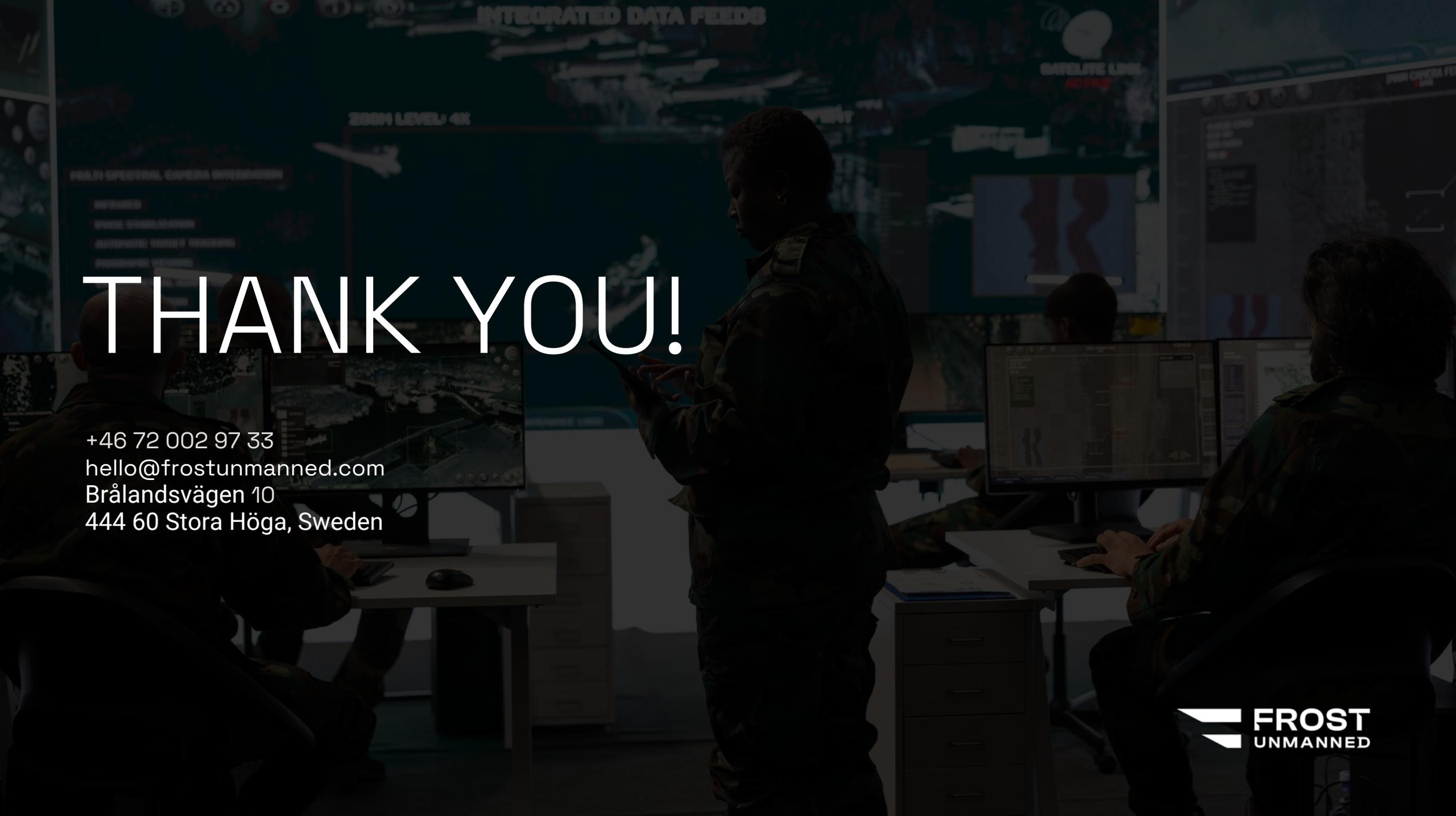
Multiple USVs controlled simultaneously for enhanced coverage.

## LOGISTICAL CONVENIENCE

Conveniently transported in containers, reducing deployment time and costs.

## AFFORDABLE PRICING

Superior capabilities at a fraction of the cost compared to conventional military ships.



THANK YOU!

+46 72 002 97 33  
hello@frostunmanned.com  
Brålandsvägen 10  
444 60 Stora Höga, Sweden