
DEFENDING
THE FUTURE.
FROST
UNMANNED
FROST
UNMANNED

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.

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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

FROST UNMANNED

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°

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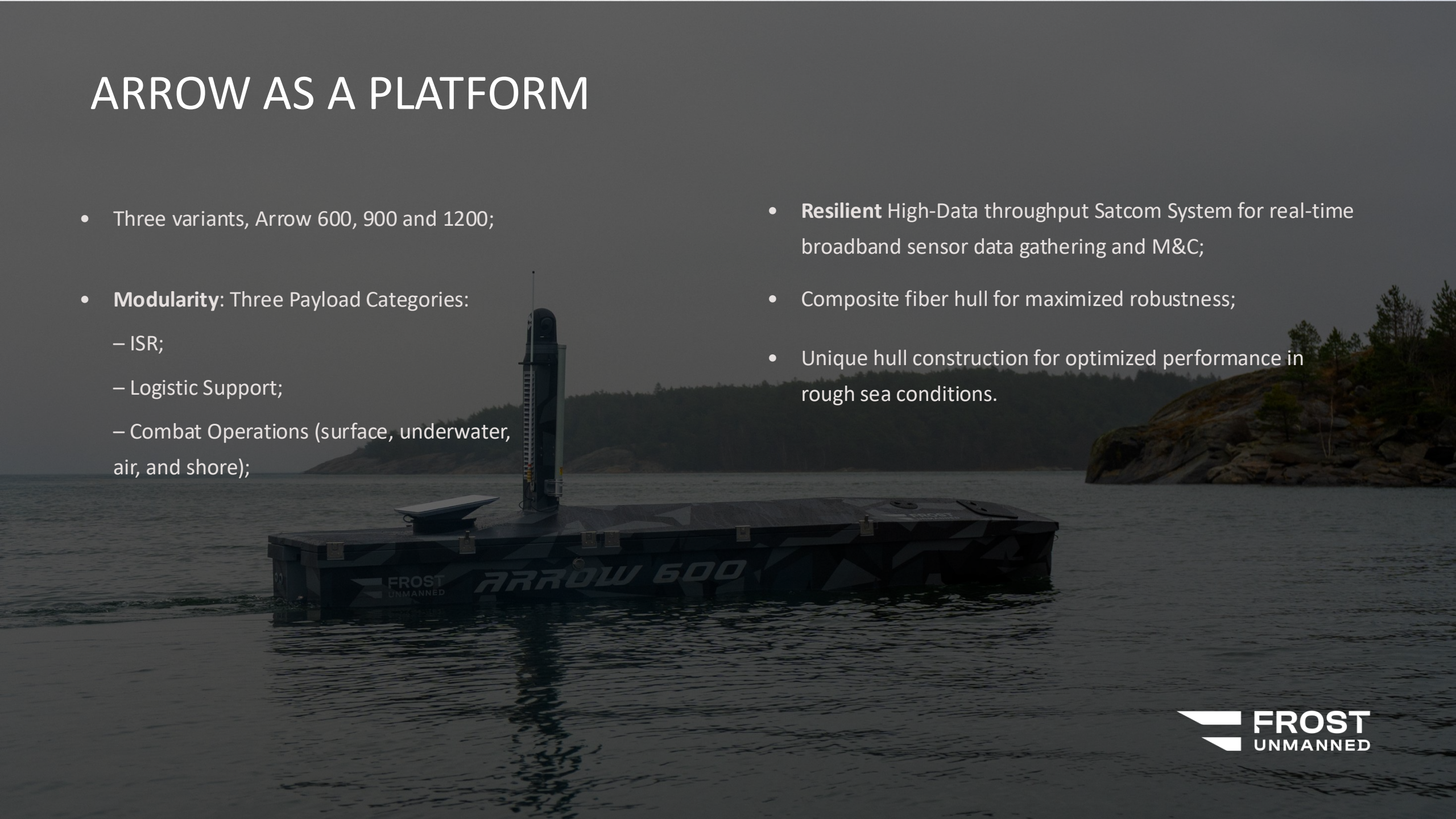
ARROW AS A PLATFORM

- 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.



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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)

ENGINGE

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

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ARROW PAYLOADS - MODULAR DESIGN

LOGISTICS

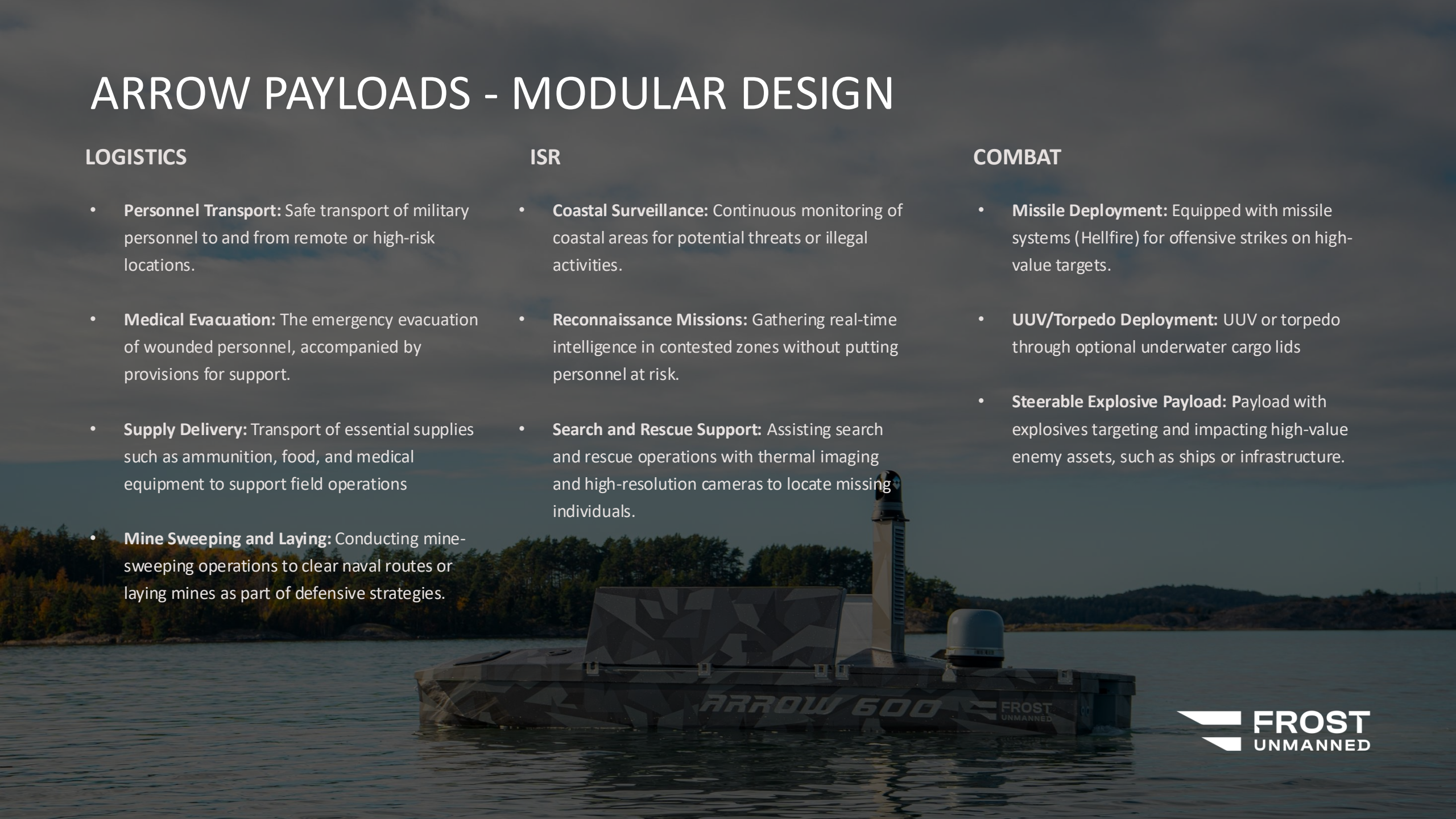
- **Personnel Transport:** Safe transport of military personnel to and from remote or high-risk locations.
- **Medical Evacuation:** The emergency evacuation of wounded personnel, accompanied by provisions for support.
- **Supply Delivery:** Transport of essential supplies such as ammunition, food, and 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: P**ayload with explosives targeting and impacting high-value enemy assets, such as ships or infrastructure.



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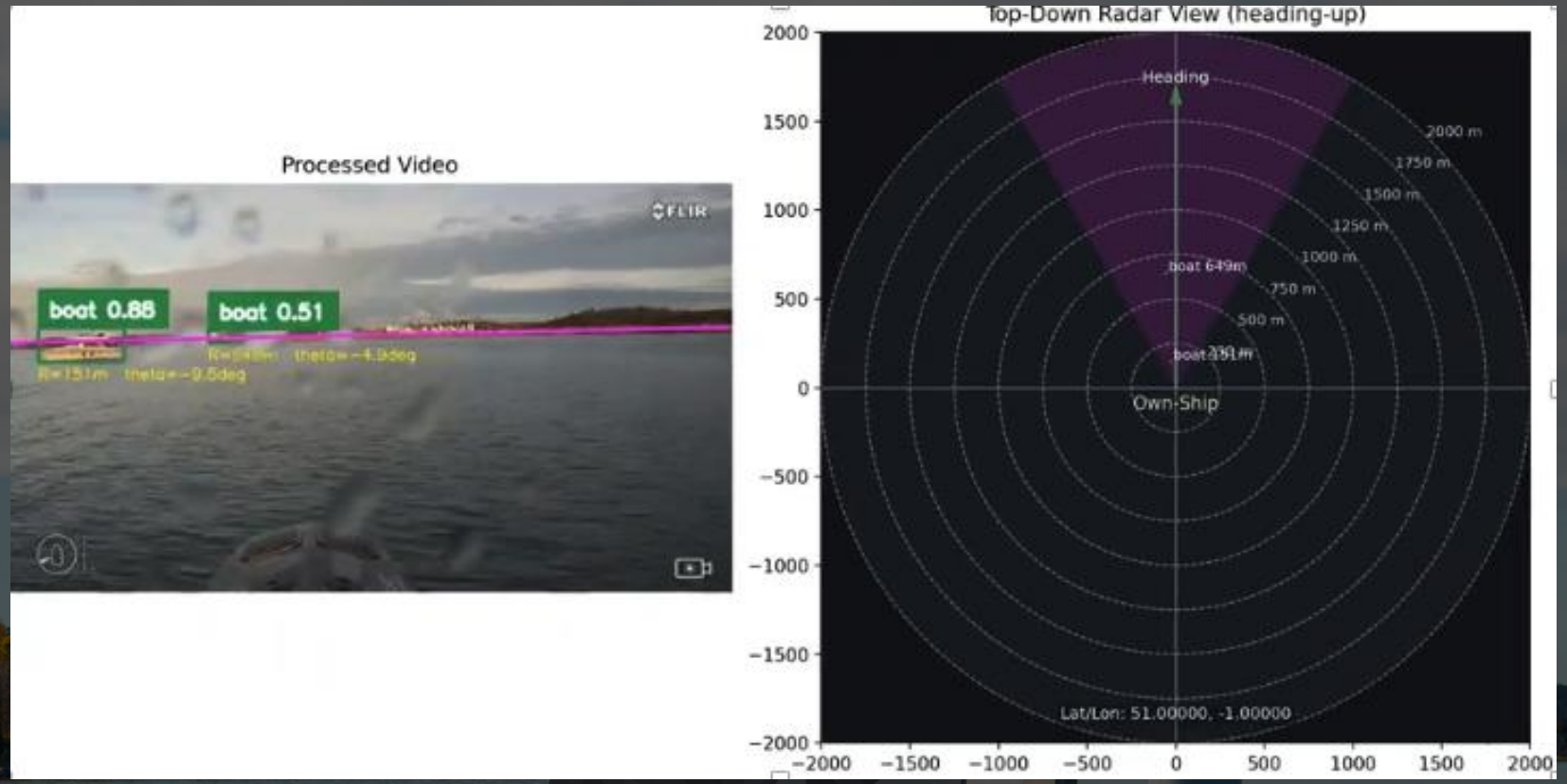
ADVANCED SITUATIONAL AWARENESS – FROST SENTINEL



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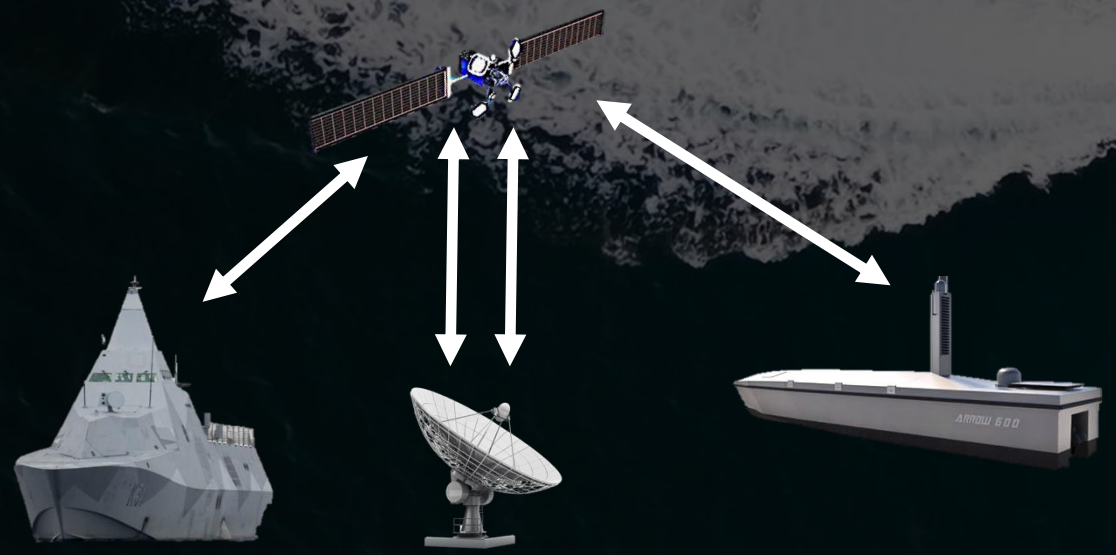
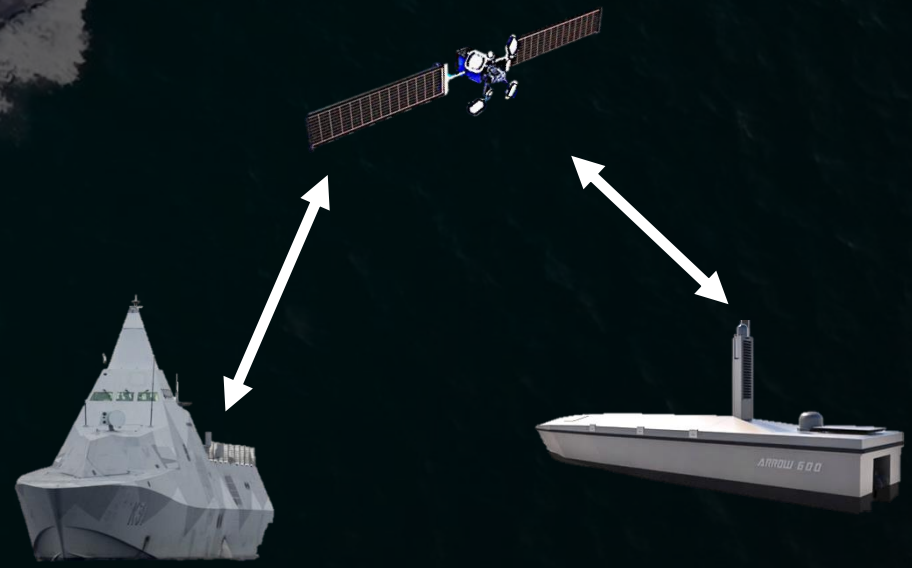
RESILIENT SATCOM

- 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





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CONCEPTUAL APPROACH

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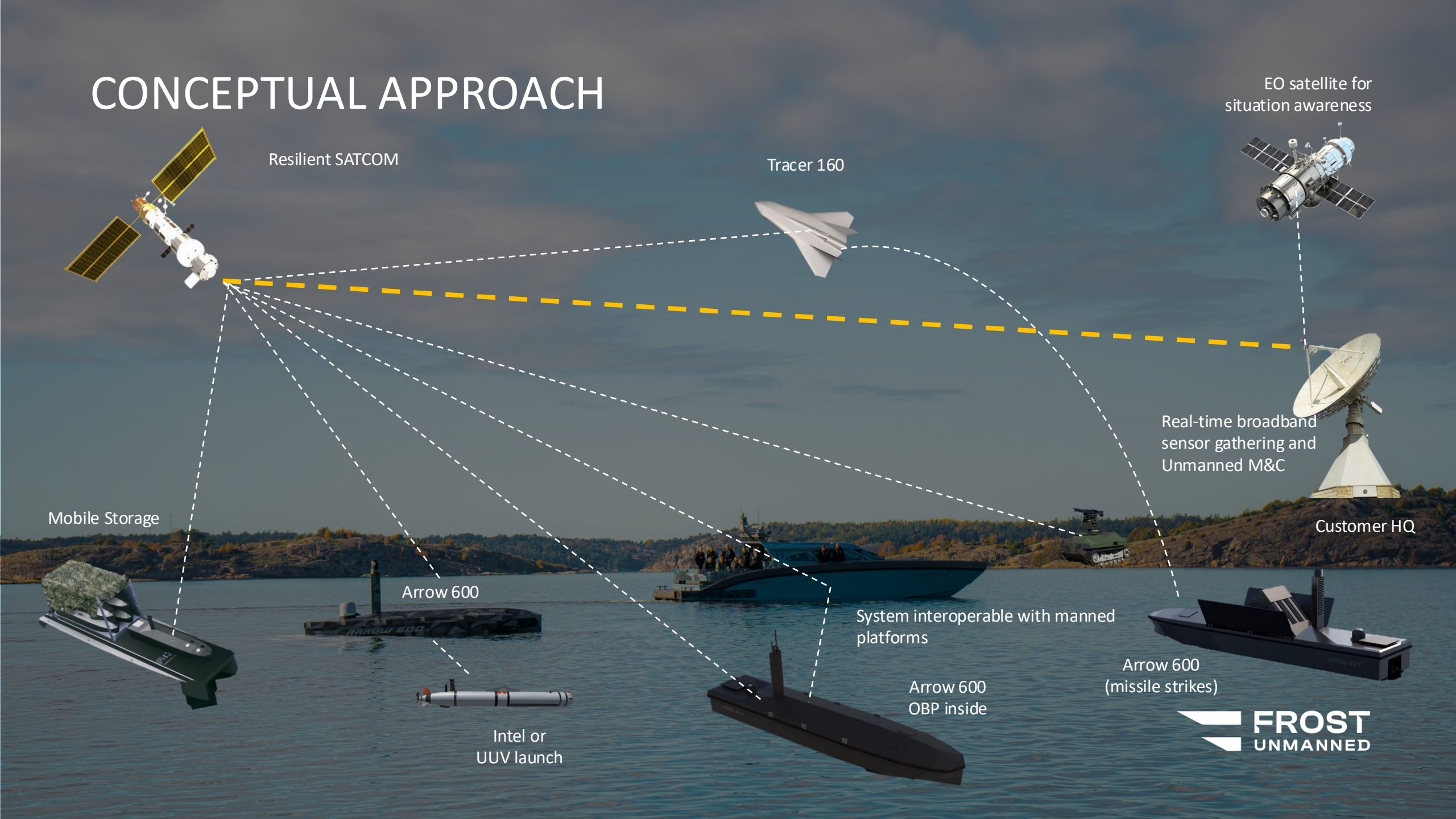

OPTIMIZING DEFENCE EFFICIENCY

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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.

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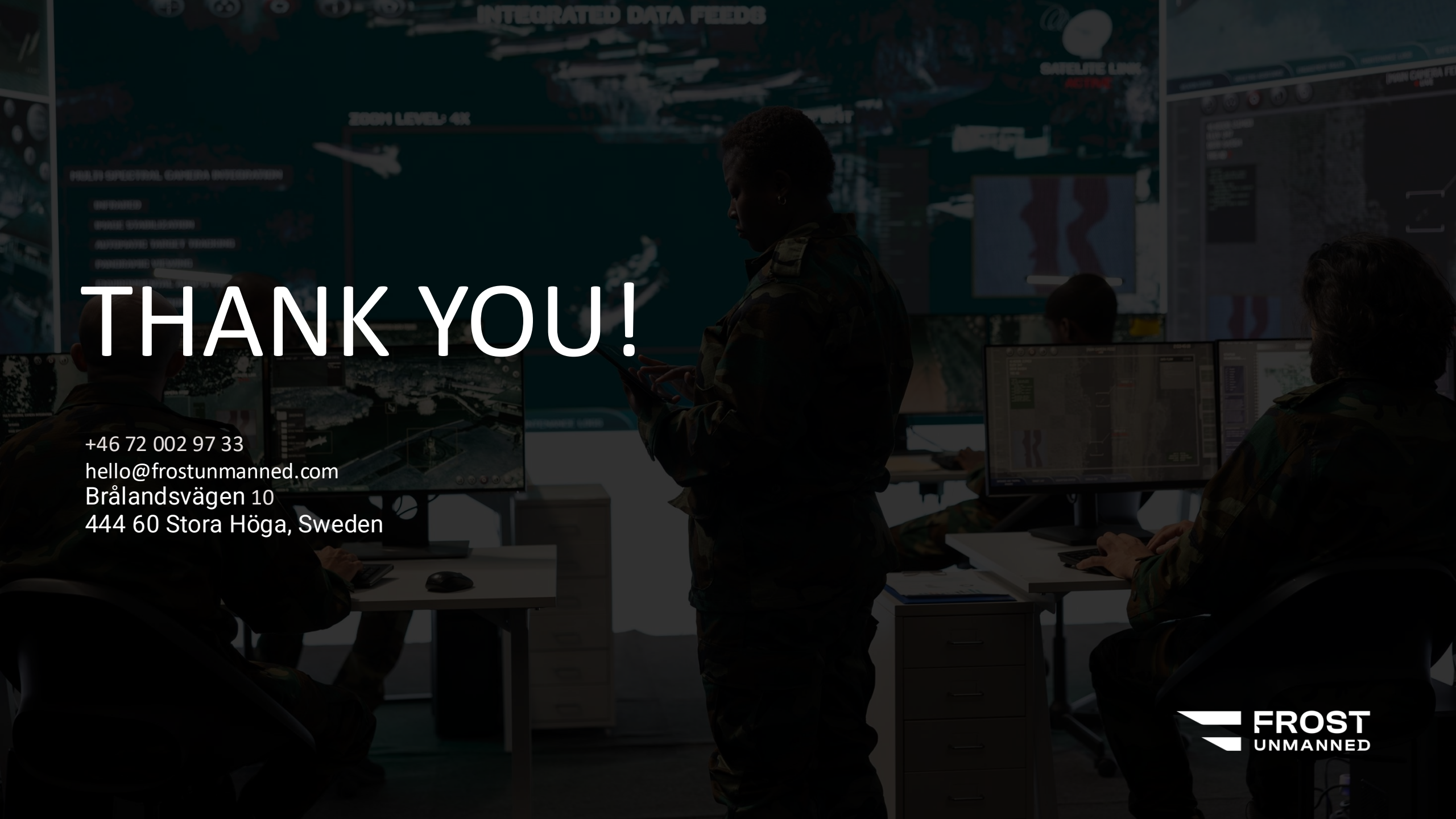

THANK YOU!

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