

TunaDrone™

A technology initially conceived to support free school tuna fishing, a potential breakthrough in monitoring, control and surveillance



SAFET Conference, Bangkok Feb 2019

SAFET

OUR COMPANY



BANGKOK 2019





2003

> 1/3 WORKFORCE WORKING ON NEW DESIGNS



INNOVATION

ROBUSTNESS & RELIABILITY



IN-HOUSE MANUFACTURING

PRESENCE IN >30 COUNTRIES



GLOBAL FOOTPRINT

GRUPO ARBULU



INTERNATIONAL GROUP MARINE ELECTRONICS

DIVERSIFICATION



AQUACULTURE, SECURITY & DEFENCE

OFFICES



IN WASHINGTON D.C & SHANGHAI

GROWTH



AVG ANNUAL GROWTH >20% YEAR AFTER YEAR

EuropeanBusinessAwards

2017 ELITE AWARD FOR BEST GROWTH STRATEGY

TURNOVER
43 M EUR



83

150 EMPLOYEES

UAVINSTRUMENTS

SPIN OFF FOR THE DEVELOPMENT OF UAV SYSTEMS

PARTNERSHIP WITH WORLD LEADING COMPANY IN ELECTRONIC MONITORING





STRATEGIC ALLIANCE BEST-IN-CLASS MARINE RESEARCH CENTRE BANGKOK 2019

OUR COMPANY



VISION

To become world leaders
in development and manufacturing of
technologically advanced electronic systems,
with focus on high quality
tracking & remote monitoring products
for harsh marine environments,
smart oceans and sustainable fishing

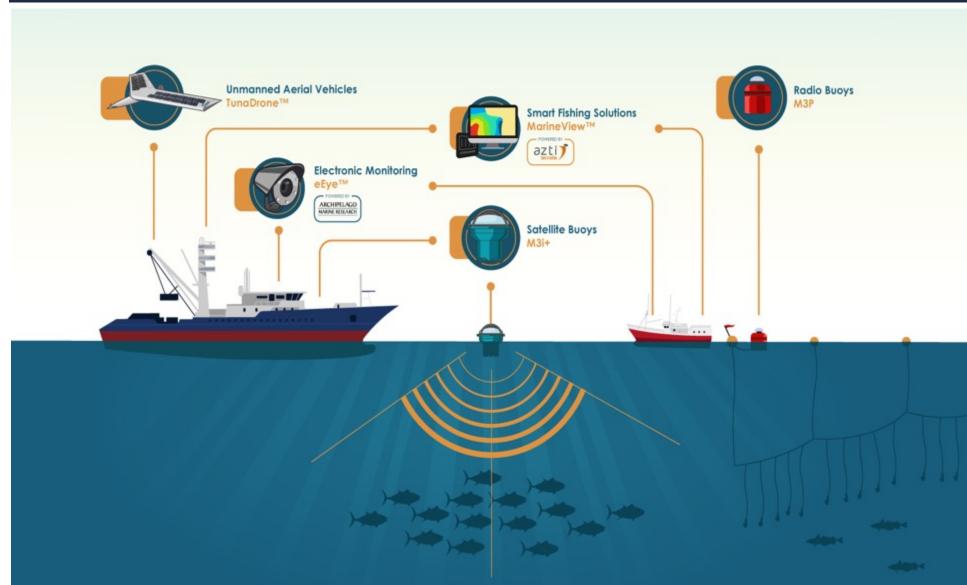




BANGKOK 2019

OUR TECHNOLOGY







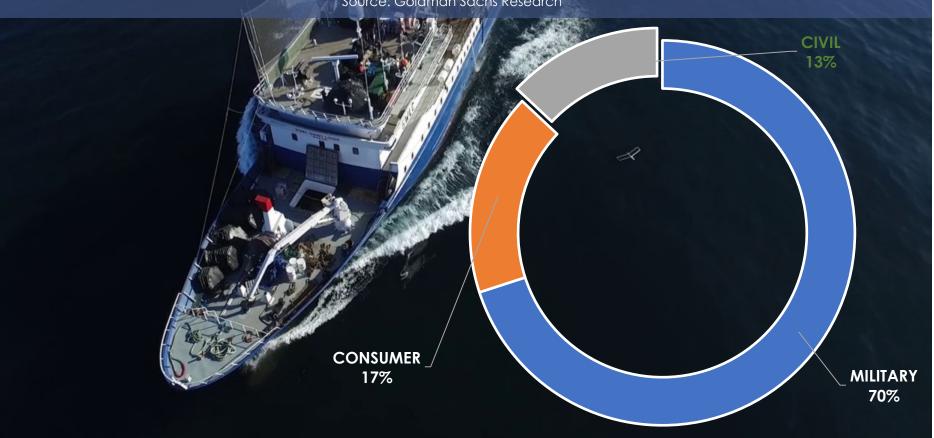
CIVIL DRONE MARKET FORECAST



Between now and 2021, we forecast a \$100 billion market opportunity for drones

— helped by growing demand from the consumer and civil sectors

Source: Goldman Sachs Research





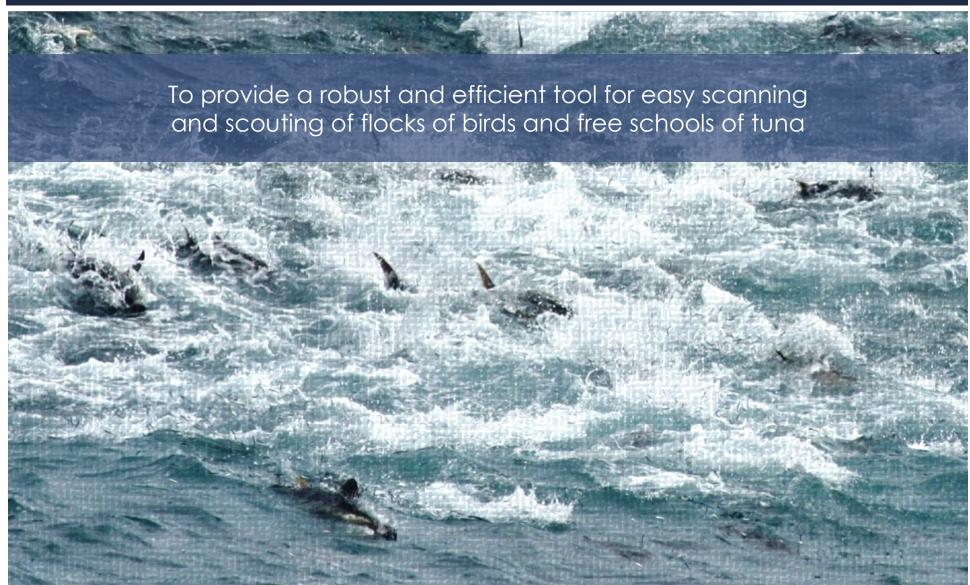
TUNADRONE



MOTIVATION



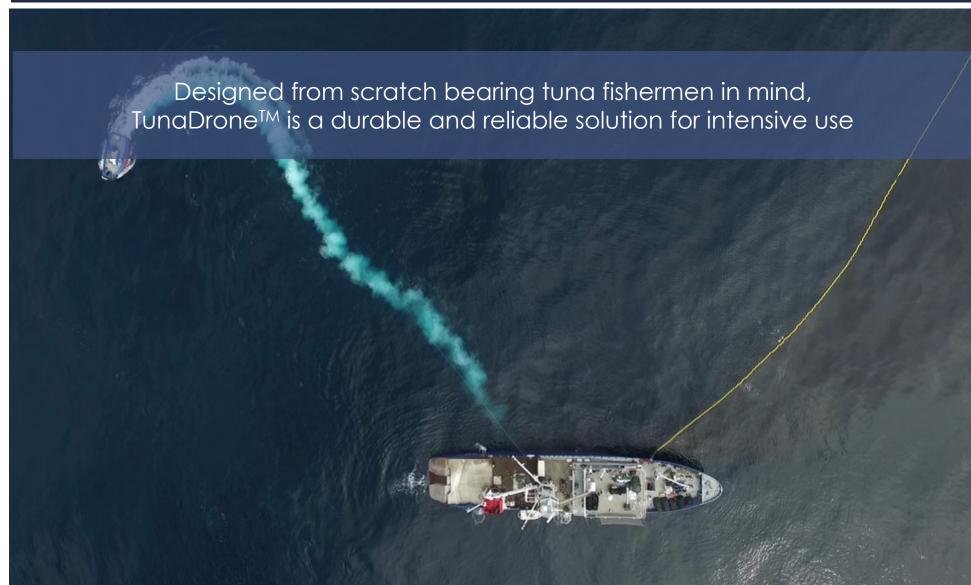
BANGKOK 2019





100% OWN TECHNOLOGY





SUB 2Kg CATEGORY



Beyond-line-of-sight, permission to operate without the need for certification, such as a remote pilot licence or a drone operators permit for the business



A SYSTEMIC APPROACH



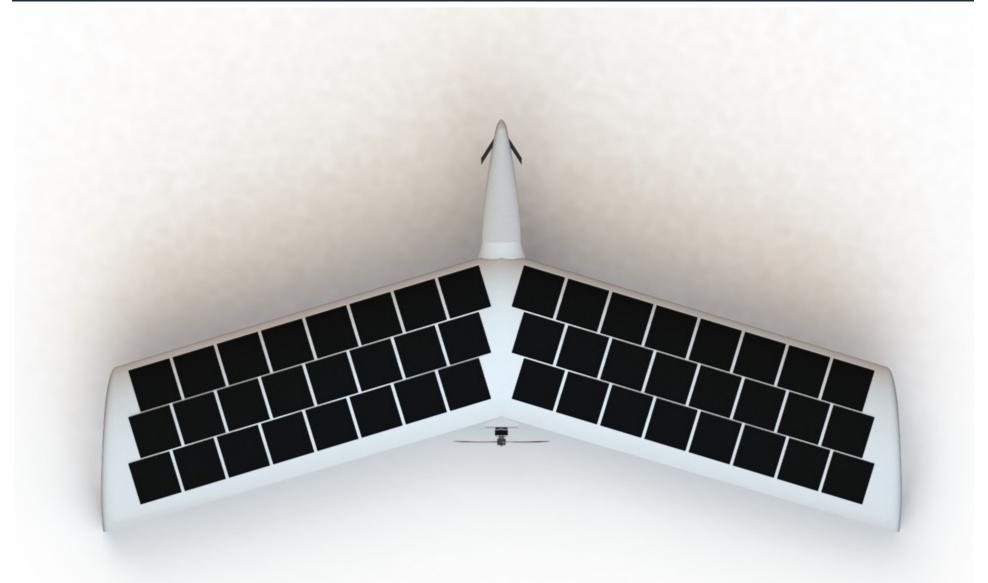
Fully automated launch, mission and recovery system, purpose made software for command & control allows for ease-of-use and safe operation





TUNADRONE 2.0







TUNADRONE 2.0



An evolution of the original design, with increased wing area, autonomy, performance (>35 knots) and payload capabilities (MTOW 3,6kg)



KEY ADVANTAGES



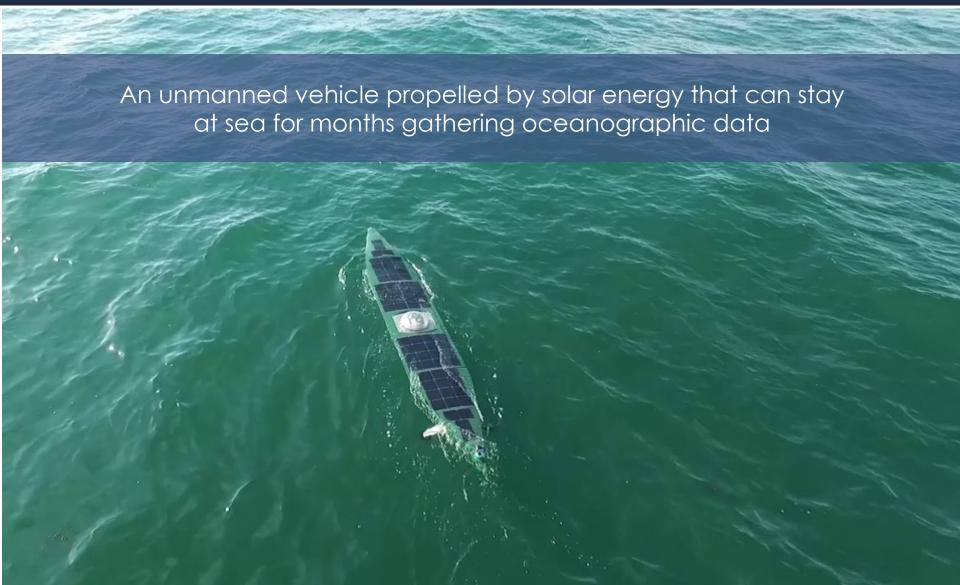
- Control of fishing sites on specific fishing activities: ship identification, entries & exits, time registry, type of gear, etc.
- Monitoring of fishing effort within protected marine reserves:
 ship identification, entries & exits, time registry, type of gear, etc.
- Fight against IUU fishing, sighting of illegal fishing activities
- Surveillance of aquaculture production sites:
 red tide alerts, fattening installations, shellfish harvesting areas, etc.





UNMANNED SURFACE VEHICLE







UNMANNED SURFACE VEHICLE







QUESTIONS & ANSWERS



