



遠洋漁船魚群搜尋無人機試用計畫

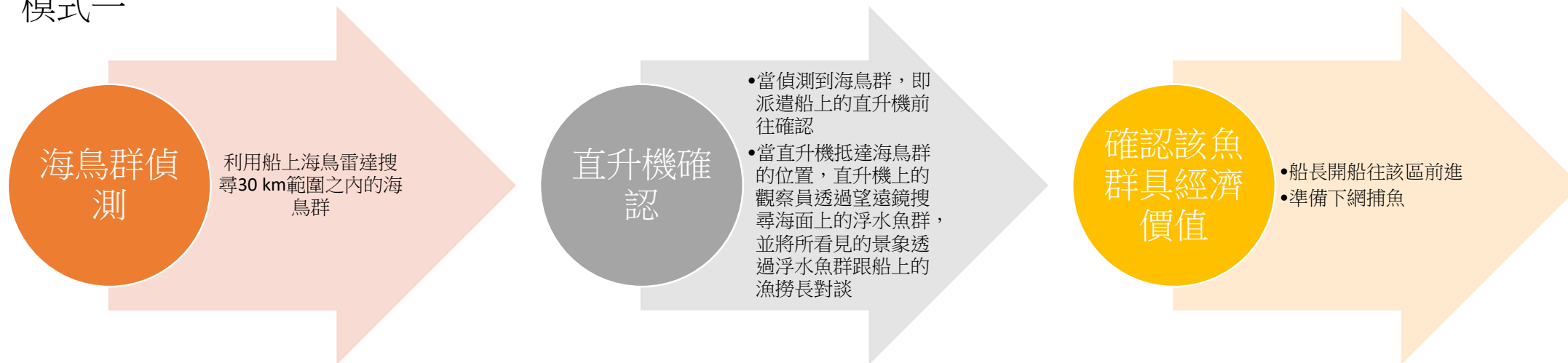
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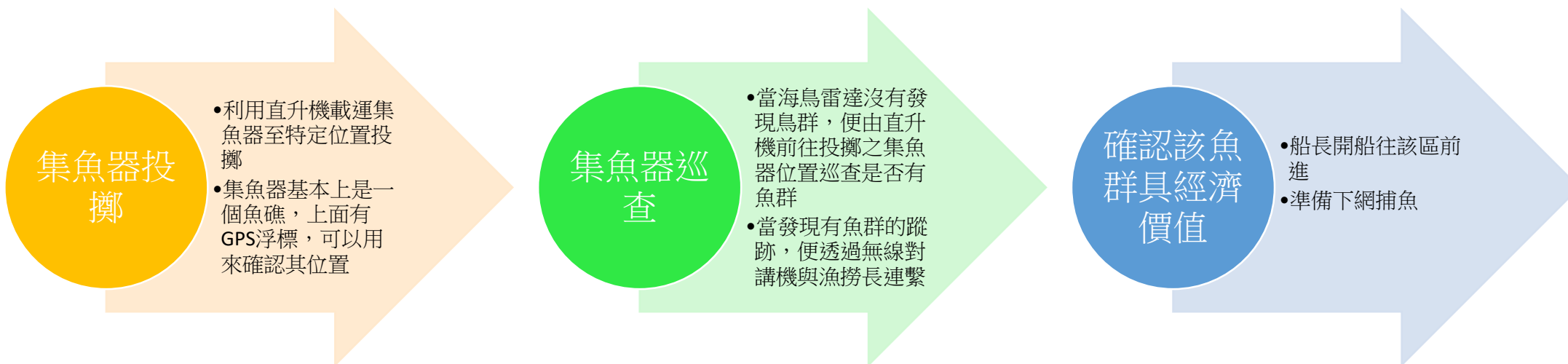
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遠洋漁船魚群偵測

模式一



模式二

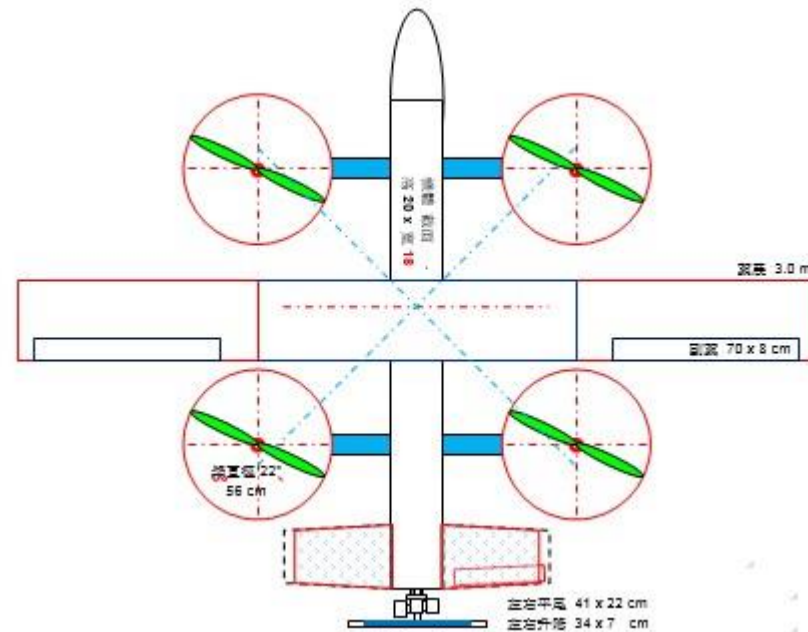


宇研共創科技的方案

魚群搜查用無人機(Uni-V008)



集魚器投擲/魚群搜查用無人機(Uni-V004)



Specification

Length : 2.4 m

Height : 0.8 m

Wing span : 3.0 m

Max T/O weight : 35 kg

Max payload : 10 kg (including fuel)

Duration : > 3Hr @ 35 kg

Max air speed : 130 km/h

Cruising speed : 80 km/h

Operation ceiling : 3500 m

Autopilot

Current Products (Uni-V008)

UAV for offshore fisheries

compared with internationally existed products

Other products

vs

Our Product

Catapult Launcher

TAKEOFF METHOD

VTOL/ catapult launch/hand-launched

29km/HD

TRANSCEIVER

30km/1080p HD/ support AI detection

Collision Net

LANDING METHOD

6DOF platform/collision net/helicopter landing

64.82km/hr

MAX. SPEED

135km/hr

10.28m/s

WIND RESISTANCE LEVEL

13.5m/s

4kg

MAX. TAKEOFF WEIGHT

>15kg

1.5hr/6hr(with solar panel)

FLYING DURATION

1.5hr-2hr

Needs to purchase the entire system (no flexibility)

BUSINESS MODEL

Personalize



Current Products (Uni-V008)

UAV for offshore fisheries

function description

pure electric system/ recyclable (float on the sea)



can equipped with 6DOF platform or catching net for takeoff/landing

(shop speed 6-10 knots)

Multidimensional carrier takeoff and landing stable technology

quick storage& replacement
(complete in 10 min)



support dynamically changing home point function

up to once per second(ship speed 6 knots)

support AI image recognition
(bubbles, seabirds, boats, fish schools)



can operate in harsh environments
(wind resistance > 13.5 m/s)

battery life 1.5-2 hr.
(150m radius circling test)



ground control station (GCS)

(fish hot spot marking and route planning, automatic execution of net rushing and landing tasks)

highly adaptive control system technology



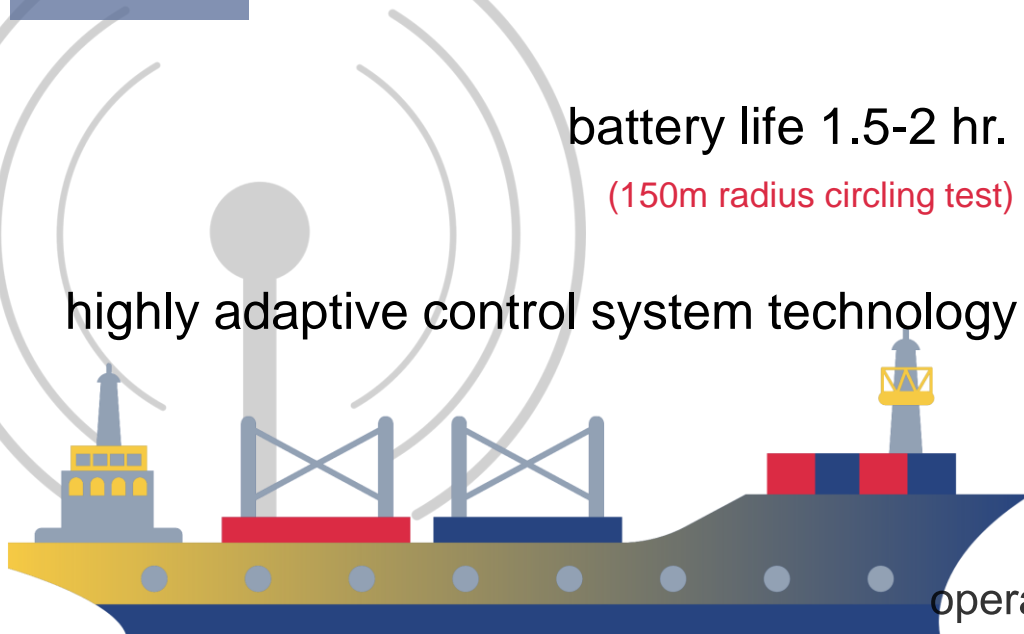
transmission image 1080P/ can be used with optical zoom lens X18-X30 or with GOPRO

(digital transmission information distance up to 30 km)

operating radius >30km

Maritime operation carrier long-range communication anti-interference technology

fish school exploration technology

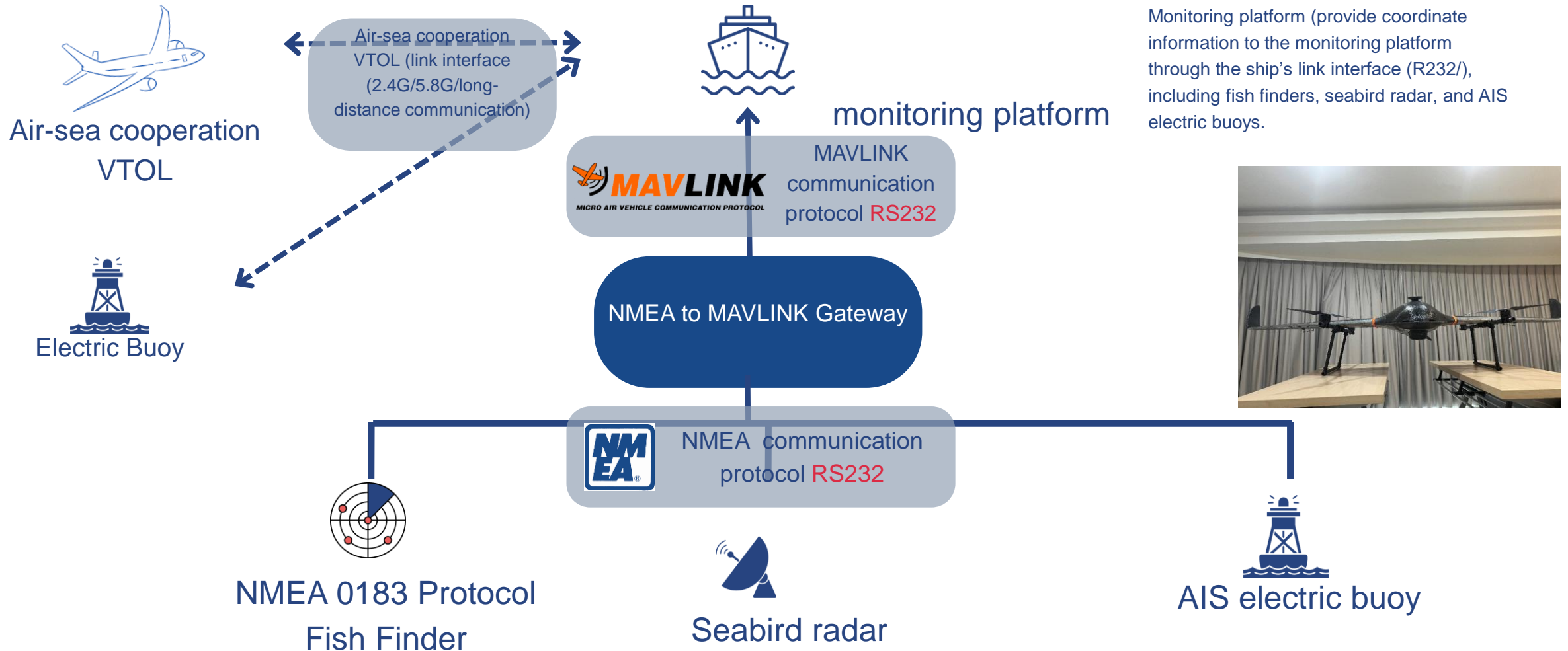


Current Products (Uni-V008)

Special UAV for offshore fisheries

Peripheral sensing systems

Integrable peripheral sensing systems including electronic buoys, seabird radar, fish finders, can establish autonomous route planning to make fish locating more convenient.



租賃方案

組合	價格(萬元/月)	備註
Uni-v008*3	240	一位人力支援，負責維護以及飛手
Uni-v008*2+Uni-v004	260	一位人力支援，負責維護以及飛手
Uni-v008*5	400	一位人力支援，負責維護以及飛手
Uni-v008*4+Uni-v004	420	一位人力支援，負責維護以及飛手

POB合作方案

組合	價格(萬元/月)	備註
Uni-v008*3	200	一位人力支援，負責維護以及飛手
Uni-v008*2+Uni-v004	220	一位人力支援，負責維護以及飛手
Uni-v008*5	350	一位人力支援，負責維護以及飛手
Uni-v008*4+Uni-v004	370	一位人力支援，負責維護以及飛手