

4. Please ship to the address below and attention to the Contact Person.

GALAXY AEROSPACE (M) SDN. BHD. [1040262-D]

Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor, Malaysia.
Tel: +603 7734 7226 | Fax: +603 7734 7526 www.galaxyaerospace.my | enquiry@galaxyaerospace.my

Currency:

MYR

PURCHASE ORDER



To: IG ZENITH SDN BHD			Page N	No:	1
Address:	dress: Deliver to:			No: GAN	M-CPO-21-016
Lot 6975,	GALAXY AEROSPACE (M) SDN. BHD. Lot 11-14, MRO Centre, Malaysia International Aerospace Centre, SAAS Airport, Subang - Selangor - 47200		Quote	Ref: SA2000	99RM REV. 2
Kawasan Perindustrian Balakong Jaya 2, Mukim Kajang, - Selangor - 43300			Date Is	ssued:	17/02/2021
Malaysia			Date Required: 00/00/0000 Payment Term: 30%, 25%,25% & 20%		
Phone: +603 8962 1060/1 Email: projects_ig@ze.com.sg					
Email. projects_ig @ 26.00m.sg			Order	Type: AGSV	, HOM AW139
No. Materials Description		Qty	Unit	Price (MYR)	Total (MYR)
To design & supply 14,000 litres aluminium mounted onto HINO FL8JW1A (GVW 25 chassis come with Proflo Industries		1.00	EA	1400000.00	1,400,000.00
Spare parts package for refueler module		1.00	EA	6000.00	6,000.00
Remarks:					
Issued by: AISHYA ZAMRI					
Shipped Via					
DHL Account No: 957692996 FEDEX Ac	count No: 945878371	Local Cou	rier Service	s	
Others					
Remark/Notes:			Su	btotal:	1,406,000.00
 All parts are to be accompanied by an approved FAA 813 Certificate of Conformance. Do NOT supply alternate PN Please state on the packaging "AIRCRAFT PARTS / COM 	то	TAL:	1,406,000.00		



IG ZENITH SDN BHD (480123-H)

Ref

Date

Tel

Fax

Lot 6975, Kawasan Perindustrian Balakong Jaya 2, 43300 Mukim Kajang, Selangor Darul Ehsan, Malaysia

Fax: +603 8962 1062 Tel: +603 8962 1060/1 Email: info@ze.com.sg

Website: www.ze.com.sg

SA200099RM rev 2

17/02/2021

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+603 7734 7526

SALES QUOTATION

Galaxy Aerospace (M) Sdn. Bhd.

Suite 11-14, Helicopter Centre,

Malaysia Internation Aerospace Centre,

Sultan Abdul Aziz Shah Airport,

47200 Subang, Selangor,

Malaysia

Attention: Mr. Fazrul / Mr. Rahman / Mr. Yap

ZENITH Helicopter Refueler

We are pleased to submit our quotation as follows:

S/N	Description	Qty	Unit Price	Total Amount
1	To design & supply 14,000 liters aluminum tank barrel mounted onto HINO FL8JW1A (GVW 25,000kgs) rigid 6x2 chassis come with Proflo Industries' 100GPM fuel dispensing system	1	RM 1,400,000.00	RM 1,400,000.00
2	Spare parts package for refueler module (see attached spart part list @ technical specifications sheet)	1	6,000.00	6,000.00

All the above prices are inclusive 10% SST, Ex-factory Balakong.

Terms & Conditions:

In Malaysia Ringgit inclusive of chassis, PTO, tank, refuel system & piping, JPJ drawing Price

> approval, Puspakom inspection, JPJ registration, testing & commissioning at Sabah BUT excluding APAD permit (if required), road tax, Insurance and other charges/items not

mentioned above.

30% deposit upon order, Payment

25% upon arrival of refuel module system to IGZE

25% upon pre-delivery inspection with client & Navy reps at IGZE

20% upon arrival of tanker to Kota Kinabalu Navy base (before commencing of

commissioning)

Pre-delivery inspection targeted on 3rd week Oct 2021 ex-factory Balakong, subject to any Delivery

unforseen changes

1 month Validity

1 year limited warranty on manufacturer defects from date of delivery; to be covered by Warranty

Banker's Guarantee of 5% contract value for the duration of warranty. Click here to view

- Deposit to be paid in two halves, 1st half by End Feb 2021, 2nd half by Mid March 2021. Remarks

- All invoices payable 2 weeks from date of issue

- Please see attached technical specifications for full details of tanker

Ramesh

Prepared by: Ramesh Sugan Sales & Project Engineer +6012-3197475

Confirmed & Accepted By: Galaxy Aerospace (M) Sdn. Bhd.

Name:

ABDUL RAHMAN SAMSUDIN Date:

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Tel: +603 8962 1060/1

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Website: www.ze.com.sg

TECHNICAL SPECIFICATIONS OF HELICOPTER REFUELER

14,000 LITERS Single-compartment Elliptical Aluminum Rigid Tanker with Proflo Industries' 100GPM Refuel Module mounted onto HINO FL8J rigid 6x2 chassis (GVW 25,000kg)

1) TANK BARREL & ACCESSORIES SPECIFICATIONS

Chassis make & model

HINO FL8JW1A (6x2 chassis) - approx. wheelbase 5450mm

Rated GVW

25,000 kg

Tanker body type

Rigid tanker type

Tank Barrel Section

Elliptical single walled tank barrel

Tank barrel material

Aluminum

Tank heads type

Dished heads

Tank barrel thickness

Tank shell : min. 5mm

Di

Dished heads: min. 7mm

Tank volume

14,000 liters inclusive 5% ullage

Payload type

Jet A1 fuel

Fuel payload

Approx. 11,200 kg (based on density of Jet A1 of 0.8kg/L)

Compartmentation

One (1) compartment

Hydrotest pressure

5psi

Manhole

2 unit 20" CIVACON manhole covers with fill/emergency vapor vents & pressure

vacuum valves.

Baffle plate

Min. 1 unit internal baffle plate

Vapor vent

Sequential type pneumatic control air vent incorporated on manhole covers

Emergency Bottom Valves

Pneumatic controlled emergency valve, flanged coupling to discharge pipe

Piping

Stainless steel piping from tank barrel to refuel module system

Control system

Pneumatic type control system to provide air to vapor vents, emergency foot valves &

emergency cut off switches

Ladder

Detachable, aluminum fabrication rung with 12" distance between rung mounted at

back of tanker with minimum 130mm toehold clearance

Hose carriers

2 nos. hose carriers (round tube) to fit 4" x 5m long fuel delivery houses

Rear bumper / Under run

Mild steel heavy duty rear bumper in accordance to local authorities regulations

.....

1 unit bonding reel installed together with the refueling module

Hazchem signage

3 sets of Hazchem stickers on both sides of tanker and rear of tanker

Mudguard

Earthing

Heavy duty plastic mudguards on rear axles

Electrical lightings

LED side markers on tank sides, and rear brake lights in accordance to JPJ standards

2 nos. working lamps on refueling area for night operations

1 nos. LED beacon light (amber color) on tank top

Fire extinguishers

2 units BOMBA certified 9kg ABC fire extinguishers located at each side of tanker



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Fire shield

1 unit aluminum fabricated fire shield at rear of truck cab

Battery cut off

1 unit master truck battery cut off switch

Painting

Painting on the external of tank barrel, refuel module & truck cabin. Truck will be painted with epoxy primer coating & polyurethane finish paint and as per Navy color

scheme

Logo & decals

Standard reflective decals as per JPJ requirement, and Navy logo decals on tanker

2) REFUELER MODULE SPECIFICATIONS

Manufacturer

: Proflo Industries, USA

Type of module

NFPA 407 Compliant Module with 100USGPM Dispensing System

Dispense rate

100 USGPM (approx. 378 liters/min)

Module material of construction

Stainless steel

Configuration of module

Left hand side of tanker (LHS)

Fuel dispense pump

"Blackmer" TXD 2.5A positive displacement pump come with bypass valve. Pump is variable speed type where the pump speed is controlled by truck

engine speed.

Hose reel type

: Single wrap hose reel with electric rewind function

Fueling hose type

50 ft fuel hose come with test certificates

Overwing fueling

Overwing (pressure) nozzle "CLA-VAL 347GF" for jet service with swivel inlet, 100-

Mesh strainer, Dust cap & Grounding cable

Underwing fueling

Underwing nozzle "OPW 295SA-0138" with 45-psi HECV, swivel inlet, 100-Mesh

strainer & Dust cap

Quick nozzle change

Drybreak installed to facilitate quick nozzle changes

Nozzle holders

Brake interlocked nozzle holders

Shut off valves

Shut off valves at hose reels & inlet of filter vessel

Filter separator vessel

ASME Latest Edition filter separator vessel with air eliminator, pressure relief

valves, automatic water defense & spring loaded drain valves

Filter elements

Cat. M elements for Jet A1 (Rated at 100USGPM)

Deadman valve

1 unit in line deadman valve with electronic controls & deadman timer

Metering system

"Total Control Systems" 700-20SPA Positive displacement meter with "TCS

3000" electronic register head to read in gallons or liters

Max. fuel dispense rate to be set at 200 liters/min and max. allowable fuel

pressure at 20psi.

If flow rates exceed the max. allowed rates, the fuel will be recirculated back into the tank via bypass valve.

Control panel

Stainless steel control panel with:

nozzle pressure gauges,

pump pressure gauge,

differential pressure gauge,

interlock status lights,

In/out Millipore fittings

Etched operation instructions & flow diagram

Interlock system

Refueling module to interlock with truck chassis brake system



IG ZENITH SON BHD (480123-H)

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Lighting system : Full LED lighting system with rotating beacon light & interlock indication lights in

driver's cabin

Loading system : Bottom loading system with pre-check & high level shut off configured for

driver's side of unit

Electrical system : 24V pre wired electrical junction box

Tank Level system : Ultrasonic tank level system supplied for tank barrel (serves as secondary high

level shut off as per JIG and NFPA 407 latest edition)

Defuel system : Pneumatic controlled defuel system operated via control panel

Product recovery system : Product recovery tank with 10* fill lid, contents gauge, spring loaded drain, vent, high

level shut off, and indication light

Visual sampling system : 4-liters Visual sampler with LED lighting

Warranty : Proflo Industries' & IG Zenith 1 year warranty on components & workmanship for

refueler module & tank barrel

HINO Malaysia 2 years warranty (unlimited mileage) for truck chassis

RECOMMENDED SPARE PARTS LIST (Refueler Module) Quantity: 1 set / 1 unit each item below

- 1. Single Point Nozzle rebuild Kit
- 2. Meter Packing Gland
- 3. 24V DC Solenoid Valve
- 4. Interlock Proximity Switch
- 5. Bottom Load Dust Cap
- 6. Underwing Dust Cap
- 7. Overwing Dust Cap
- 8. 50A Hose Reel Breaker
- 9. Re-Settable Breaker Kit
- 10. Flange Gasket Kit
- 11. Deadman Handle
- 12. Diode Kit
- 13. Camlock Fitting Kit
- 14.3/4" Spring Loaded Drain Valve
- 15. Static Grounding Reel Clamp
- 16. EFSO Switch