

INDIA'S FIRST AMPHIBIAN
ELECTRIC VEHICLES WITH
200 MPH ON LAND,
50 KNOTS ON WATER AND
2000M DEEP DIVING ABILITY



PERPETUAL POWER

### FEATURES

Charging

- # FUEL TANK
- \* NON INFLAMMABLE LIQUID FUEL
- FIRE PROOF
  BATTERIES
- XERO CARBON

  EMISSION
- # GREEN HYDROGEN
  POWERED
- \* ZERO MOVING PARTS
  ENGINE
- \* 60 MONTHS
  MTBF



# 3 VEHICLE FORMATS

GROUND VEHICLE WITH 200 MPH

SURFACE BOAT WITH 50 KNOTS

SUBMARINE WITH 2000M CAPABILITY



### GROUND VEHICLE



24 tons vehicle weight
11m long x 2.45m height x 2.05m wide
200 mph peak speed
0 to 100 mph in ten seconds
12 tons payload capacity
manned or autonomous
Training simulator available



### SURFACE BOAT



20 tons vehicle weight

11m long x 2.45m high x 4.0m wide
50 knots on water

1.25m draft
18 tons payload capacity

Manned or Autonomous

Training simulator available



### SUBMARINE



28 tons vehicle weight
Hdvsl direct satellite link
Koteleo night vision with stealth
30 knots bio mimicry electric drive
22 tons payload capacity
Air cushion for surfacing
Can be configured like torpedo
Manned or unmanned
1000 day endurance unmanned
100 day endurance manned
Training simulator available
2000 m deep dive



### SUPPORT DRONE

Horizontal take off from ground vehicle. Vertical landing. Fully electric.

Can be configured like a smart bomb or missile. 10,000m flying height

Supersonic speed. Can hover in stationary mode at 10,000 m height.

Unmanned only. 1 ton payload

Can detect submarine of 50m length from 10 kms above sea level

Hdvsl with Koteleo night vision



1.28 MW peak power
30,000 hours MTBF
Break free constant load
10,000 hours non stop use
Liquid fuel
Fill and forget 50 kg fuel tank
Ai controlled remotely operated engine
Tesla supercharger ports (external

### \*

### SHIPPING

All four vehicle formats as well as support drone can be transported in standard 40 foot shipping containers



### DELIVERY??

lonique electric vehicles are custom built to required user specifications. Minimum order is 250 systems with delivery of upto ten vehicles per month



# INDICATIVE COMMERCIALS 250 VEHICLES



first 50 vehicles | Rs 200 cr per vehicle 51-100 vehicles | Rs 150 cr per vehicle 101-150 vehicles | Rs 100 cr per vehicle 151-200 vehicles | Rs 75 cr per vehicle 201-250 vehicles | Rs 60 cr per vehicle

Average | Rs 117 crores per vehicle

### EXTRAS

Price does not include training simulators, remote command station for control, central servicing station for repairs.

Vehicle engine cannot be serviced in the field. Vehicle has to be sent back to factory for engine servicing and refueling

### \*

### DELIVERY TIMELINE

User spec study | 4 weeks

Digital twin | 5-30th week

Prototype fabrication | 31-65 weeks

Licensing and tech transfer | 66 to 75 weeks

Testing and availability | 76 to 90 weeks

### PROJECT SCHEDULE

All service related to digital to be paid upfront

Vehicles to be paid against delivery challan

## DESIGN SCHEDULE

- DETAILED USER REQUIREMENT
  STUDY | RS 10 CRORES (INDIAN
  TEAM)
- DETAILED DESIGN WITH 3D

  WORKING MODEL | RS 25 CRORES

  (NETHERLANDS STARTUP)
- DIGITAL TWIN CREATION PRIOR TO CONSTRUCTION RS 50 CRORE PER DESIGN (GERMAN STARTUP)
- PAYLOAD INTEGRATION ON NEED
  BASIS AT RATE TO BE DECIDED
  AFTER USER STUDY

### BESPOKE VEHICLE IPR

Vehicle design Ipr belongs to user and design costs are borne by user

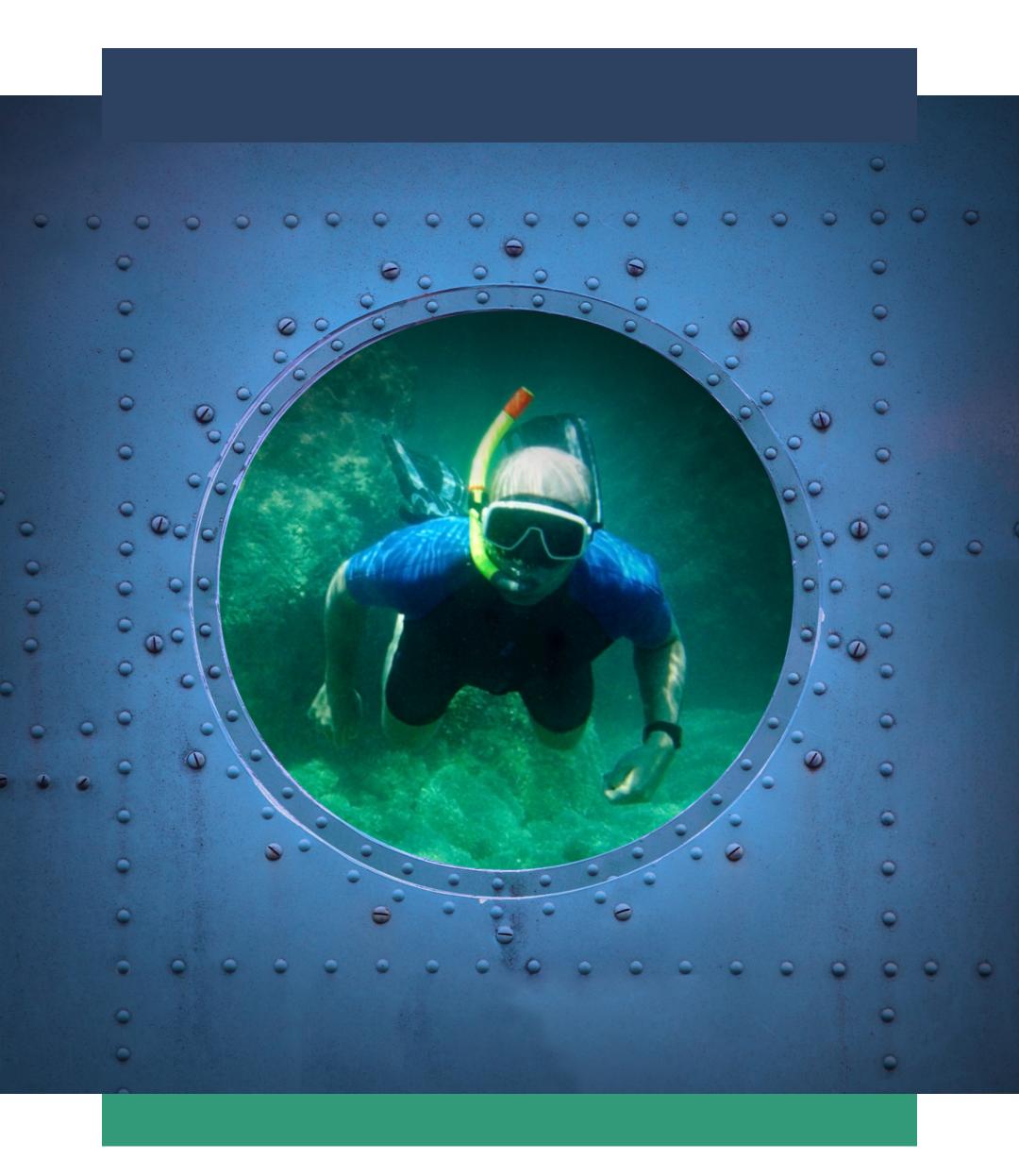
Engine Ipr is with supplier. No details of engine will be provided. Engine is sealed and cannot be user serviced. Entire vehicle has to go back to factory for servicing





### LONIQUE ENGINE SIZING

125 kw to 1280 kw full electric
High voltage AC and DC output
Voltage software selectable
Silicon carbide mosfet Invertor



### CONNECT

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