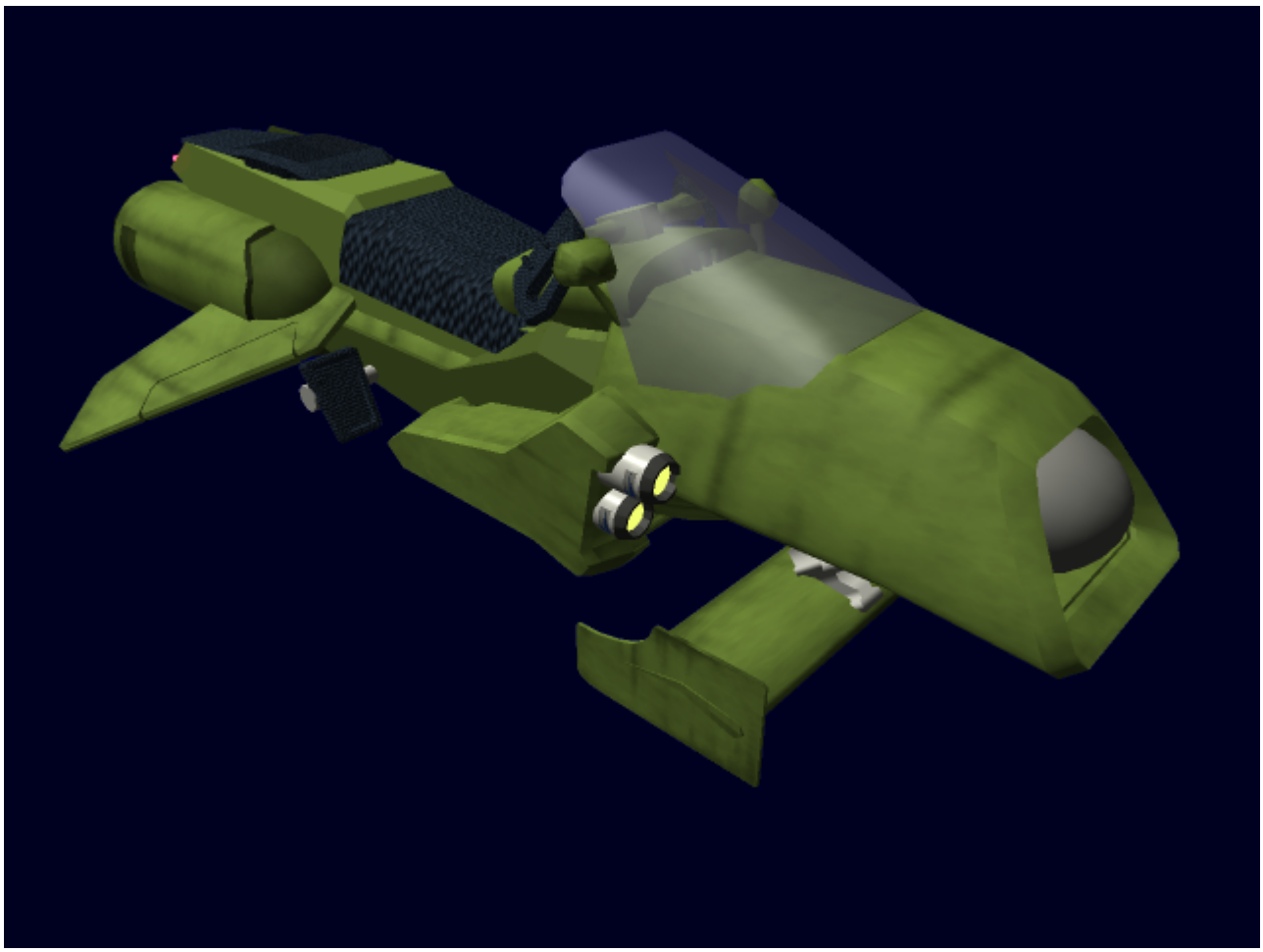
Type 32 Airbike

The Type 32 is an Origin airbike, designed for both transportation and racing purposes. Finished in YE 32, it is the first of a line of Origin Airbikes.



About the Vehicle

The Type 32 was designed as a low-cost, high-speed personal transport, which is both efficient and powerful. Although its stock layout is not quite legal in the Nepleslian airbike racing circuit, it can be easily modified to fit the circuit's regulations.

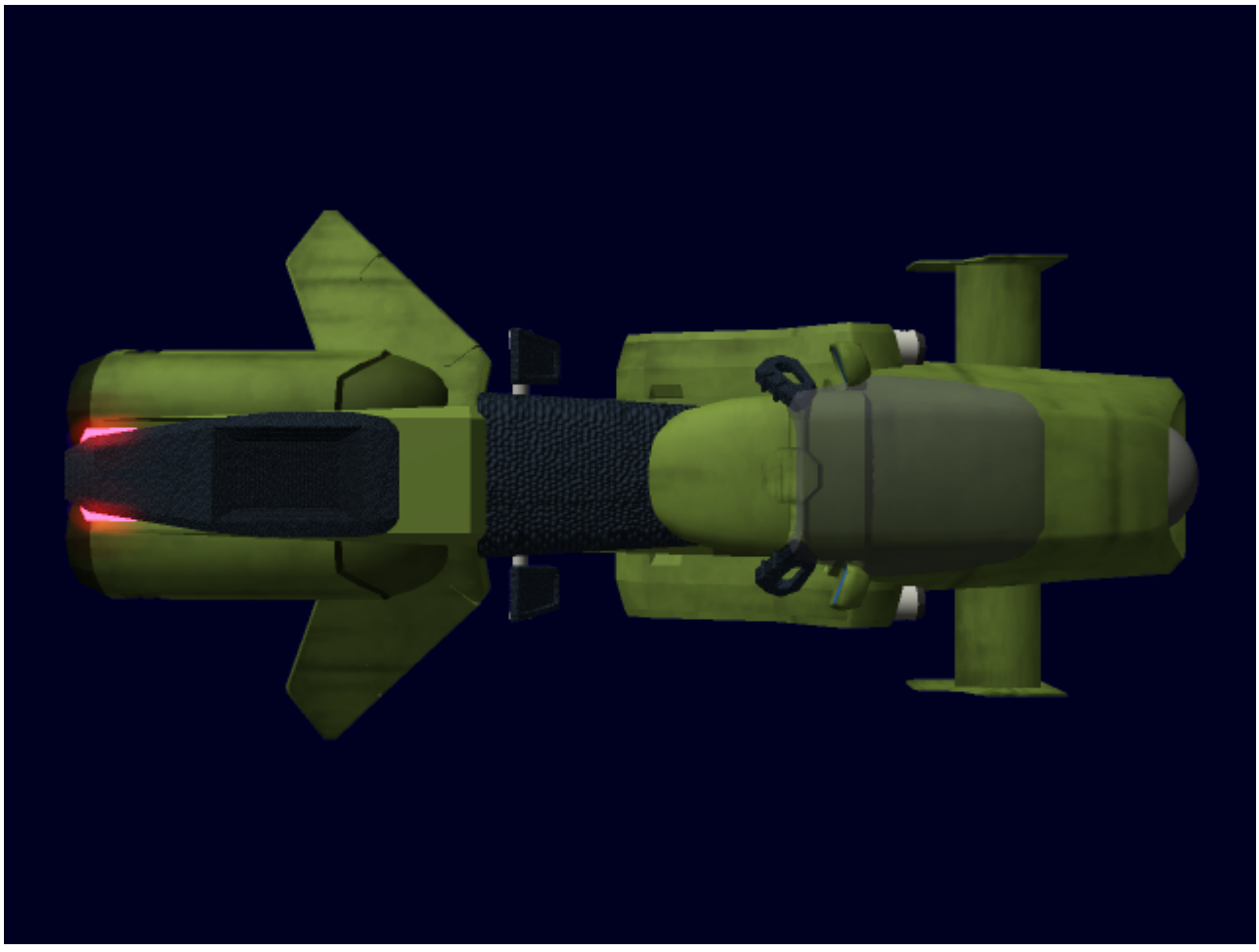
History and Background

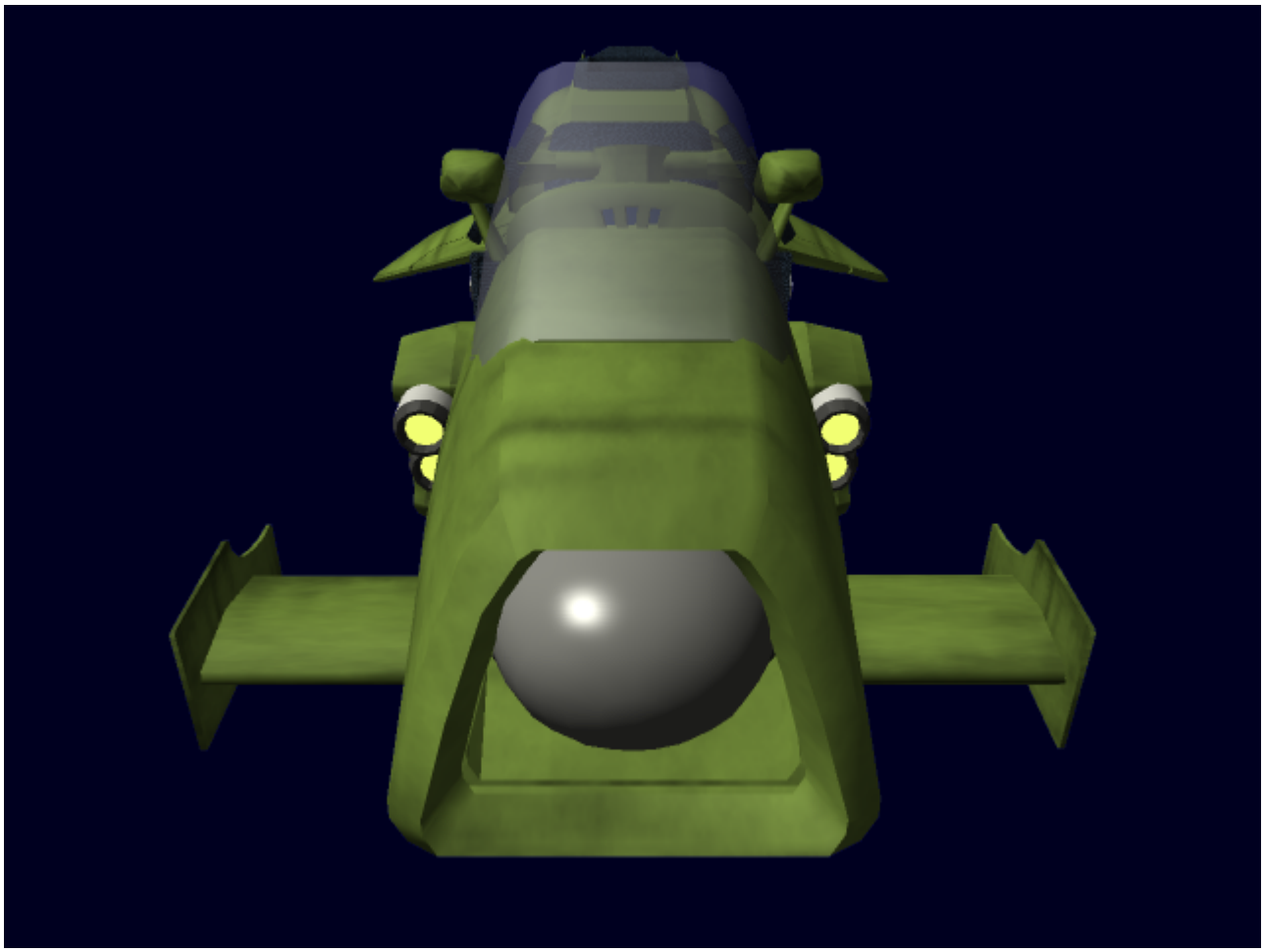
Getting tired of making larger passenger vehicles, OMC's CEO Ray Gladstone ordered a team to create an airbike that would appeal to both Nepleslian and Yamataian markets, as well as hopefully become a popular choice in other markets, such as the Abwehran market. After a protracted time designing an

airbike both visually appealing and high-performance enough for any market, the first few models were built and tested. A few more trouble shooting runs resulted in the current vehicle, which can be both an economical choice for travel, as well as a high-thrill ride for adrenaline junkies.

Statistics and Performance

- Organizations Using This Vehicle: Various
- Type: 32
- Class: Airbike
- Nomenclature: OI-T32-1A
- Designer: Origin Industries
- Manufacturer: Origin Industries
- Production: Mass-produced
- Riders: 1
- Maximum Capacity: 2
- Appearance: a long, rectangular body with a large nose scoop, two jet engines in the rear, an airfoil in the front, and a pair of wings in the rear.
- Price:
    1. Fusion: 8,000 KS
    2. Fuel Cell: 6,500 KS





Dimensions

Length: 3.4 meters Width: 1.5 meters Height: 1 meter

Performance

Top Performing Speed (fusion): 590 KP/H **Top Performing Speed (fuel cell):**630 KP/H **Max Altitude:** 1,000 feet above 'sea level' Range: - 4 months without refueling. (Fusion) - 804 kilometers (fuel cell) Lifespan: 10-20 years, depending on care. Refit Cycle: every four months.

Vehicle Systems

Controls

The bike is controlled in two ways: Handlebars, and pedals.

- Handlebars: The handlebars control the flight surfaces, which include the forward airfoil, and rear

wings. This allows for very precise control, especially at mid-high speeds.
- Pedals: the pedals control the throttle, each pedal controlling each thruster. By modulating thrust, the user can adjust the speed and direction of the bike.

Miscellaneous systems

- Lights: The Type 32 has a full set of head and tail lights, allowing it to be flown safely at night, as well as turn signals, so that other vehicles can have some warning as to what the bike is doing.
- Cargo Box: behind the rider, above the turbines, is a small box which allows the pilot to carry a small bit of cargo. The top of this box is cushioned, allowing a second rider to sit atop the bike if needed, but this is not normally recommended.

Computers and Electronics

The Type 32 has a basic flight computer system with a simple auto-nav computer, allowing a rider to set and forget their destination, so they can sightsee as the bike flies itself. The main focus of the computer, however, is to keep the bike flying straight and level, while giving as smooth a ride as possible.

Emergency Systems

- Radio: The Bike contains a radio which can be used to communicate. This radio also serves as an emergency beacon, and will automatically set off if the bike takes major damage.

Propulsion

The Type 32 is propelled by two Jet turbine engines, which are made to be dual-fuel.

Fusion

The Fusion generator is a little on the heavy side, but still allows for high speeds when needed. Its acceleration is somewhat sluggish for a jetbike, but once momentum kicks in the bike will move the way it's meant to. The main draw of the Fusion-powered model is that it can run for four months without needing to refuel, making it more economical.

Hydrogen fuel cells

The Hydrogen Fuel cells are lighter than the Fusion generator system, which gives the bike a bit better acceleration. The turbines draw a larger amount of fuel from the cells than the generator, however. This has the added side effects of greater speed and shorter range, giving the bike a total range of 4,000 miles before it must be refueled.

Floatation

When the Type 32 is traveling at speeds below 150 MPH, it does not create enough lift to remain off the ground. To remedy this, there are several small nozzles in the bottom which blow warm or hot air (depending on the fuel type) down towards the ground, keeping the Type 32 from hitting. Beyond 150 MPH, the system shuts off and diverts power to the engines for more speed.

Common Modifications

- Cowl: The cowl can be easily modified to make the bike more aerodynamic, but this can sometimes block out the lights, making it illegal to night-ride the bike.
- Turbines: The turbines can be tuned up with the swapping of parts, such as fan blades, to make the bike faster, or more efficient.
- Intake: The intake design can be easily modified, to make the shape more or less slippery, for different effects. A Larger intake can slow the bike down considerably, but give it extra lift, and make handling easier.

OOC Information

Created by Kai. Approval Thread

Products & Items Database	
Product Categories	vehicles
Manufacturer	Origin Industries
Year Released	YE 32
Price (KS)	6 ,500.00 KS