

# Aere Airships

Peter Lobner, 22 July 2022

## 1. Introduction



A design team led by M. Ali Kul began preliminary work in 2019 in Istanbul, Turkey, on a semi-rigid, multi-role airship named Wanderer. That team has developed into the firm Aere Airships, which is located at the Istanbul airport.

In early 2022, Aere Airships introduced their design concept for the Wanderer, which they described as follows: “Wanderer is not just a recreational vehicle. With its modular design, it is suitable for special production for different purposes and services. It was designed with this logic from the very beginning. From the cockpit to every seat detail, every area and point is the most efficient, the most relaxing, the most profitable, the widest perspective.”



*Rendering of the Wanderer airship concept configured for tourism / passenger service. Source: Aere (early 2022)*

Aere’s near-term goal is to complete the engineering design, build and fly a prototype of the Wanderer. This effort is supported by some funding from the Turkish government.

The Aere Airships website is here: <https://www.aircraftdesigns.org>

## 2. Wanderer – “For Freedom and Earth”

The concept drawings for the Wanderer depict an airship configured for tourism / passenger service, with a conventionally-shaped hull, an inverted Y-tail and a gondola with accommodations for perhaps a dozen passengers and a flight crew of two in the cockpit.



*Wanderer airships flying over remote scenic locations.  
Source: Aere (early 2022)*

The Wanderer will be a semi-rigid airship, likely similar in size to the Zeppelin NT, which can carry 12 passengers. The propulsion / maneuvering system will have all-electric, thrust vectoring propulsors, which are not shown in the initial set of concept graphics released in early 2022.



*Wanderer airships flying over remote scenic locations.  
Source: Aere (early 2022)*

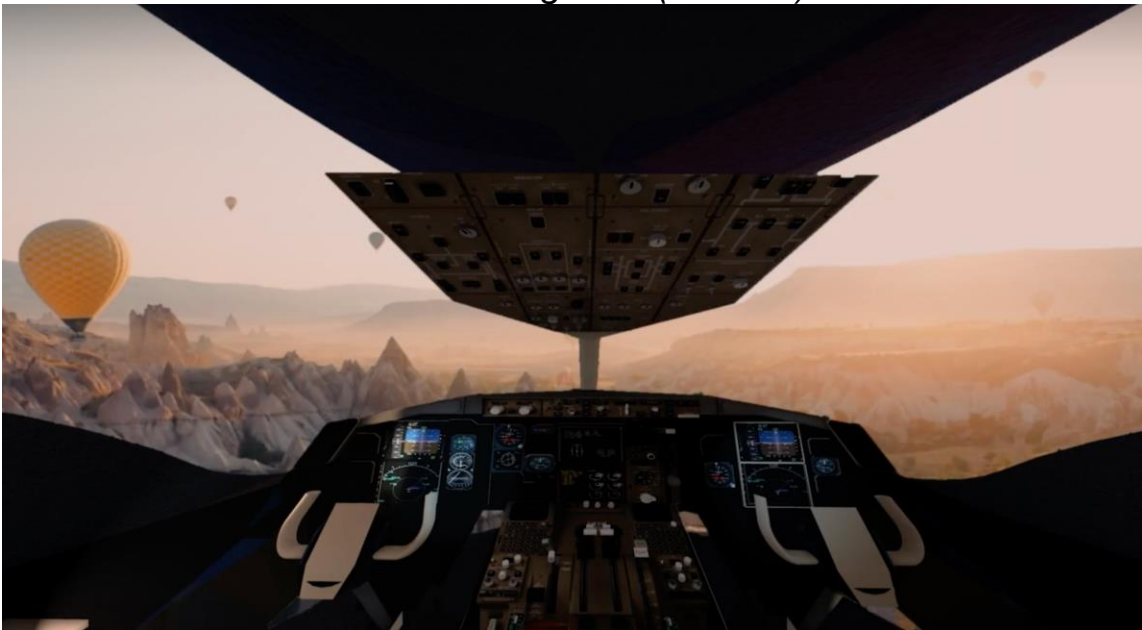


### 3. The gondola

The gondola in the concept graphics is arranged in three sections: a forward two-person crew cockpit, an aft passenger section with panoramic windows, and a mid-section with services for the passengers (food, beverage, toilet) and the boarding door.



*The side view of the gondola shows the three sections: crew cockpit (right), passenger compartment (left), and mid-section service area with boarding door (in white).*



*Crew cockpit view. Source, both graphics: Aere (early 2022)*



*Renderings showing a possible layout of a passenger compartment configured with luxury seating and large windows that provide almost unobstructed panoramic views from any seating position.  
Source, both graphics: Aere (early 2022)*



*Rendering of the view from the aft observation area of the passenger compartment.*



*Mid-section service area looking toward the cockpit, showing main boarding door (right), toilet (left) and food and beverage service units. Source, both graphics: Aere (early 2022)*

## 4. The future

If the Wander design is similar to the Zeppelin NT, then it should be possible to certify the design under existing European Union Aviation Safety Agency (EASA) airship type certification regulations and licensing precedents. This would help reduce the technical and licensing risk for this new airship design.

Funding is a key to the future of Wanderer. If adequate financial support can be arranged (i.e., from the Turkish government and other investors), then we may see the Wanderer prototype flying by the mid-2020s.

As noted by Aere, the Wanderer is a design concept for a multi-role, scaleable airship. As such, the airship can be sized and the gondola can be configured for the specific mission(s) required by the customer.

## 5. For more information

### Other *Modern Airships* articles

- *Modern Airships - Part 1*: <https://lynceans.org/all-posts/modern-airships-part-1/>
  - Zeppelin NT
- *Modern Airships - Part 2*: <https://lynceans.org/all-posts/modern-airships-part-2/>
  - Mustafa Demir - aerostat & drone airships
- *Modern Airships - Part 3*: <https://lynceans.org/all-posts/modern-airships-part-3/>