

# TECHNICAL FEASIBILITY STUDIES

Airship	ETERNAUS	Model	135-810/6.800 Atlas H2/Nuclear
---------	----------	-------	--------------------------------

## DATASHEET

BASIC DIMENSIONS			
Total Length	C =	810 m	
Maximum Diameter	Ø =	135 m	
Maximum Cross Section	St =	14.314 m <sup>2</sup>	
Outer Surface	Sext. =	275.345 m <sup>2</sup>	
Displaced Volume	Vd. =	7.990.000 m <sup>3</sup>	
Maximum Thrust	E =	10.300.000 Kg	
CONSTRUCTIVE INFORMATION			
Material		ALLOY 2090-T83 SHEET	
Plate Thickness	e=	1,8 mm	
Specific Density	& =	4,7 Kg/m <sup>2</sup>	
& rupture (traction)	&t =	70 Kg/mm <sup>2</sup>	
& admissible	&adm.=	21 Kg/mm <sup>2</sup>	
Transverse Prestressing	Fpt =	14 Kg/mm <sup>2</sup>	
Longitudinal Prestressing	Fpl =	7,0 Kg/mm <sup>2</sup>	
Operating Pressure	Po =	350 mmca	
Maximum Allowable Pressure	Pmáx. =	560 mmca	
External Resistance Compression	Rcp =	350 kg/m <sup>2</sup>	
Operating Speed Limit	Vlo=	180 Km/h	
Weight of the Superstructure	Ps =	1.400.000 kg	
Accessories Weight	Pa =	600.000 kg	
Gas Weight	Pg =	800.000 kg	
Fuel Weight	Pc =	700.000 kg	
Load Capacity	Cc =	6.800.000 kg	
Operating Total Weight	Po =	3.500.000 kg	
Displacement Factor	Fd =	0,4720 x vel. (m/s) <sup>3</sup> PS	
For a speed of 50 Km/h, power =1.260 Hp	Autonomy=	400.000 Km	
For a speed of 70 Km/h, power=3450 Hp	Autonomy=	200.000 Km	
For a speed of 100 km/h, pow.=10.000 Hp	Autonomy=	100.000 Km	
For a speed of 140 km/h, pow.=27.000 Hp	Autonomy=	50.000 Km	
For a speed of 180 km/h, pow.=59.000 HP	Autonomy=	30.000 Km	

## MAIN USES:

---

- Special super / hyper heavy point-to-point lifting and transportation (high efficiency logistics) (6,800 tons)
- Global transatlantic flying ships to visit any location on the planet by land, air and sea (7,000 guests/passengers will be able to enjoy the most memorable cruise ever conceived)
  - Mixed transport of more than 7,000 passengers in first class cabins, suites and armchairs/beds with leisure areas, theaters, cinemas, restaurants and transport goods in the holds with a large volume for more than 2,000 tons of cargo (New York-Frankfurt in 03 days)
  - An Itinerant flying shopping mall
  - Exploration of special minerals (gold, silver, copper, nickel, lithium, etc.)
  - Collection and transportation of grains directly from the producer to the holds of ships that may even be sailing (they do not need to be in ports)
  - Control of extreme disasters, huge and uncontrollable fires,
  - Advertising on a giant traveling display (700 x 100 m);
  - Transportation of agricultural surplus to the North and South Poles/Alps/Andes/Rockies/Himalayas and/or grains to desolated and dry areas, creating an important reserve for humanity.
  - Economical transportation of waste and recyclable products operating the most profitable and ecological waste exchange ever conceived.
  - Lifting, transportation and relocation of factories, buildings, super machines, yachts and small ships, submarines, real estate, among others.
  - Production and transportation of silos and other types of parts or entire giant equipment.
  - The transportation of light loads such as drums, foam packaging, etc. with extremely large volumes will have advantages over ships.
  - Military: Execution of the first winged aircraft carrier, capable of transporting fighters and bombers with a 400-meter runway, but which, because it flies at more than 140 km/h against the wind and at altitudes of around 700 to 1000 meters, will allow extremely safe landings and takeoffs  
It would be the greatest defense weapon ever produced, since airports are always strategic targets to be destroyed.
- Special rocket launch pad at 60.000 feet high...