TECHNICAL FEASIBILITY STUDIES

Airship	ETERNAUS	Model	135-810/6.800 Atlas -querosene

DATASHEET

BASIC DIMENSIONS		
Total Length	C =	810 m
Maximum Diameter	Ø =	135 m
Maximum Cross Section	St =	14.314 m²
Outer Surface	Sext. =	275.345 m²
Displaced Volume	Vd. =	7.990.000 m³
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/m²
& rupture (traction)	&t =	70 Kg/mm²
& admissible	&adm.=	21 Kg/mm²
Transverse Prestressing	Fpt =	14 Kg/mm²
Longitudinal Prestressing	Fpl =	7,0 Kg/mm²
Operating Pressure	Po =	350 mmca
Maximum Allowable Pressure	Pmáx. =	560 mmca
External Resistance Compression	Rcp =	350 kg/m²
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)³ PS
For a speed of 50 Km/h, power =1.260 Hp	Autonomy=	140.000 Km
For a speed of 70 Km/h, power=3450 Hp	Autonomy=	70.000 Km
For a speed of 100 km/h, pow.=10.000 Hp	Autonomy=	35.000 Km
For a speed of 140 km/h, pow.=27.000 Hp	Autonomy=	18.000 Km
For a speed of 180 km/h, pow.=59.000 HP	Autonomy=	11.000 Km

MAIN USES:

- Special super / hyper heavy point-to-point li ing and transporta on (high efficiency logis cs) (6,800 tons)
- Global transatlan c flying ships to visit any loca on 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
- Explora on of special minerals (gold, silver, copper, nickel, etc.)
- Collec on and transporta on 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,
- Adver sing on a giant traveling display (700 x 100 m);
- Transporta on of agricultural surplus to the North and South Poles/Alps/Andes/Rockies/Himalayas and/or grains to deser fied and dry areas, crea ng an important reserve for humanity.
- Economical transporta on of waste and recyclable products opera ng the most profitable and ecological waste exchange ever conceived.
- Li ing, transporta on and reloca on of factories, buildings, super machines, yachts and small ships, real estate, among others.
- Produc on and transporta on of silos and other types of parts or en re giant equipment.
- The transporta on of light loads such as drums, foam packaging, etc. with extremely large volumes may have advantages over ships.
- Military: Execu on of the first winged aircra carrier, capable of transpor ng fighters and bombers with a 400-meter runway, but which, because it flies at more than 140 km/h and at al tudes 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…