

OBOGS for military cargo aircraft

On-board generating system

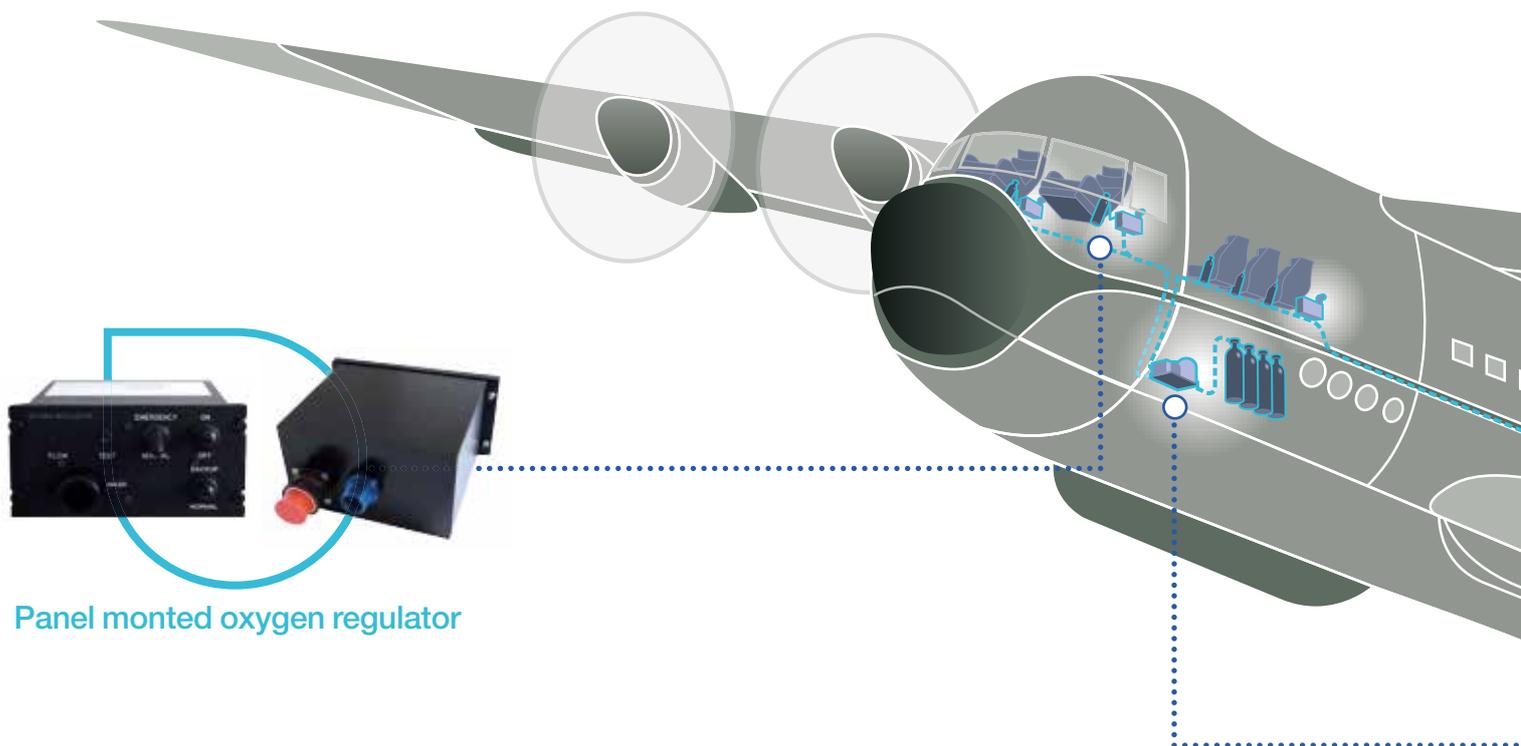
Unequaled performance guaranteed
through a unique mechatronic design

This autonomous system generation produces unlimited oxygen enriched air on board cargo aircraft, to meet all the physiological needs (breathable gas) of the crew, for any long or complex mission.



Why should you select an OBOGS?

- ✓ To increase the operational reliability of the aircraft
(unlimited cruising range: oxygen is no longer a limiting factor for flight range)
- ✓ To reduce ground and logistics supports
- ✓ To avoid fire and explosion hazards in relation to logistics and the use of liquid or high pressure gaseous oxygen
- ✓ To improve flight safety



Panel mounted oxygen regulator

The pros of its technology and design

- Responsive and accurate regulation of the gas
- Wide range of operating pressure, beyond the standard values (particularly at very low inlet pressure)
- Eased system diagnosis and management with no impact on reliability (Continuous Build-In Test)
- Very adaptative and flexible design in order to meet any requirement for control of performances: flow, pressure, oxygen content schedules
- Integrated monitoring device possible in option
- Compact lightweight system

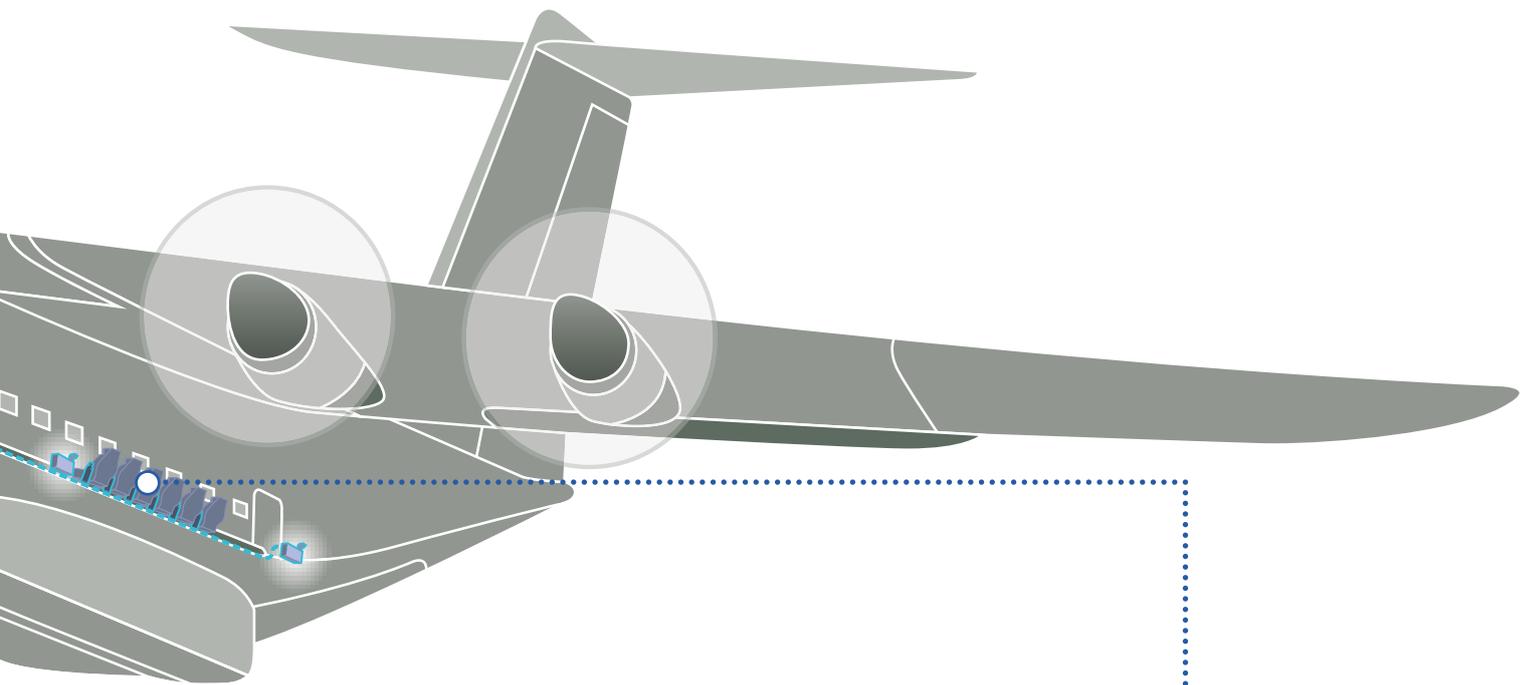
The pros of Air Liquide expertise

Our expertise in the fields of gases separation, analysis and storage allows to offer a global solution adaptable to your needs, integrating:

- Definition of specifications
- Design
- Manufacturing
- Integration
- Full support

Why should you select an Air Liquide's OBOGS?

The Air Liquide's OBOGS has several pros coming from its mechatronic design and the world wide recognized gas expertise of the Group.



Molecular sieve
oxygen concentrator



Back up emergency
oxygen unit



Main technical characteristics

- Weight of concentrator: < 20kg
- Length x width x height \approx 465 x 280 x 415mm
- Minimum inlet pressure: < 15psig relative to cabin pressure for 5-12 persons
- Electrical supply: 28Vdc (115Vac on request)
- Power consumption: < 3A

References

- OBOGS for A400M

Contacts

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The world leader in gases, technologies and services for Industry and Health, Air Liquide is present in 80 countries with approximately 65,000 employees and serves more than 3.5 million customers and patients.