



Cool Gas Generator

| CO₂ | H₂ | O₂ |



SOLIDFLOW B.V.

“For pressure less, safe, robust gas storage with a long life time without maintenance.”

About us

Solidflow develops and produces pressure less, safe and maintenance free gas storage systems using Cool Gas Generator technologies. Cool Gas Generators have many different applications from space systems and inflatable rescue devices to emergency breathing apparatus and pneumatic power systems.

Solidflow is an innovative Dutch company and is located in the Space Business Innovation Centre (SBIC) in Noordwijk. With our own production and development facilities, our team comprises experienced and highly educated engineers and business executives dedicated to developing and commercializing new products.

Solutions

The benefit of a Cool Gas Generator (CGG) is no pressure during storage as the gas is stored chemically and is only released when activated. With solid propellant gas storage there are no leaks and the maintenance of the storage is brought to a minimum. The storage life of a CGG can be up to 10 years without performance loss. With the ingenious interplay between combustion, decomposition and heat management, the gas released from the CGG is at room temperature which makes the gas usable for any application.

Company highlights/ Milestones

- MINOS 20 ltr CGG for pressurizing blown-down propellant tanks in satellite propulsion systems and space inflatable structures.
- Oxygen CGG a self-contained, portable, pressure less and rugged oxygen supply with a high degree of safety for use for human breathing applications for defense.
- Increasing the performance of propulsion systems for preventing space debris.



Company facts

- Founded: 2023 with history back to 2011.
- 10 employees: 7 highly skilled engineers and 3 technical managers and staff.
- Oxygen and CO₂ CGG are demonstrated and in production, hydrogen is in development.
- In-house development, testing and production.
- Active in defense, space and terrestrial markets.

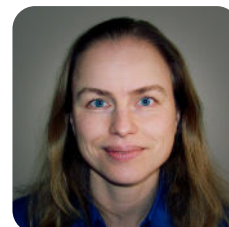


Berry Sanders

Managing Director

berry.sanders@solidflow.nl

M: +31 652 898 620



Armanda Hogedoorn

Technical Director

armanda.hogedoorn@solidflow.nl

M: +31 627 377 793

Solidflow B.V.

Kapteynstraat 1
2201 BB Noordwijk

The Netherlands
+85 130 43 63

E: info@solidflow.nl
W: solidflow.nl

Connect

