FAI Awards – Nomination Form
FAI Amateur-Built & Experimental Aircraft Commission (CIACA)

(one form per nomination)

Submitted by – *the FAI Statutes 9.1.3.2*			
NAC	Aéroclub Royal de Belgique / Koningklijke Belgische Aeroclub / Royal Belgian Aeroclub		
Name	Jacques Berlo		
Position/Function	President		
Date	2023-03-30	**Email Address**	j.berlo@belgianaeroclub.be

Name of the Award	**Description**	**Nomination**
Phoenix Diploma *the FAI By-Laws- 7.12.1*	*They may each be awarded for the best reconstruction or restoration of a vintage (more than 30-year-old) aircraft achieved by an individual amateur*	☐
Phoenix Group Diploma *the FAI By-Laws- 7.12.1*	*They may each be awarded for the best reconstruction or restoration of a vintage (more than 30-year-old) aircraft achieved by a group of any size or description*	☐
Henri Mignet Diploma *the FAI By-Laws- 7.12.1*	*This diploma may be awarded to an amateur aircraft builder or a group of builders, who have developed an aircraft of any category (including microlights) which has one or more of the described characteristics*	☑
David Faulkner Bryant Diploma *the FAI By-Laws- 7.12.1*	*This diploma may be awarded to an amateur aircraft builder or a group of amateur aircraft builders who have built a plan-built or a kit-built aircraft of any category*	☐

Nomination for			
First Name	Frédéric	**Family Name**	Maron
Birthdate	1972-03-11	**Email Address**	frederic@maron.be

Citations* for the Nomination *(Shall not exceeding 250 words based on the FAI By-Laws 7.2.1)* **Will be uploaded to FAI Database and presented at fai.org*	Starting from scratch on a napkin, the aircraft is a new type of gas balloon (hydrogen certified). It is the lightest one of its kind offering consequently a greater flight range. The whole aircraft has been fully designed in detail and custom made. No major parts are standard except some nuts and bolts. The envelope has a natural teardrop shape to reduce strain on it. The fabric is specially developed for the balloon and is 3 times lighter than current materials. The metallic layer offers better protection against overheating from the sun's rays. At the top of the envelope, the valve is made entirely of carbon fiber for lightness. The gondola is a carbon floor strapped by high strength webbings sewn on ultra-light fabric and protective foam panels. At the end of the high modulus fiber lines, the gondola is attached to the envelope by the single suspension point consisting of the aircraft grade aluminium load circle. The accessories are made with the lightness in mind. The seat and the sand shovels are in carbon fiber and the sandbags are sew in an ultra-light fabric. The guide rope is a very large strap increasing the braking resistance thanks to the much larger friction surface than the traditional round hemp ropes.
Additional information about of the nominee **Add the links website/social media, photos, articles etc.** *(All in relation while practicing his/her sport or achievement he/she is nominated for)*	> See document annexed (2 pages A4)

*All nominations must be received at the FAI Secretariat in electronic format **latest 60 days before** the Commission Plenary Meeting based on the FAI By-Laws 7.1.2.*
Please submit your nomination to commissions@fai.org

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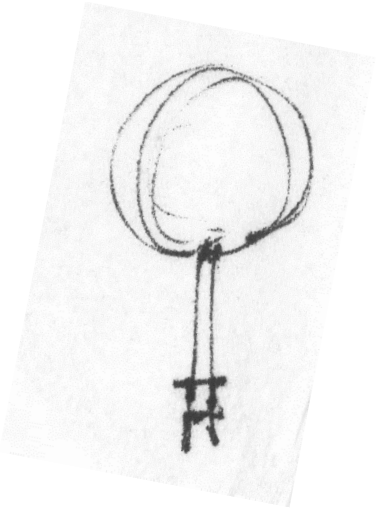
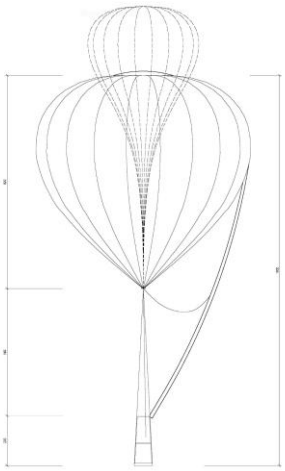
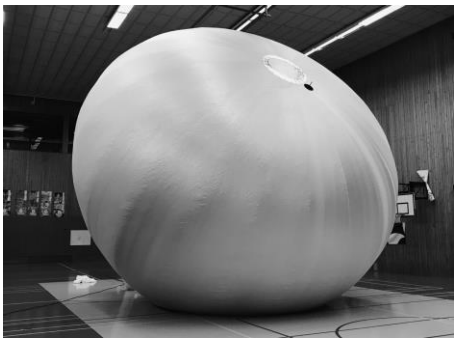
AA2 GAS BALLOON - idea, design, construction, and flight

Starting from scratch on a napkin, the aircraft is a new type of gas balloon (hydrogen certified). It is the lightest one of its kind offering consequently a greater flight range. The whole aircraft has been fully designed in detail and custom made. No major parts are standard except some nuts and bolts.

The envelope has a natural teardrop shape to reduce strain on it. The fabric is specially developed for the balloon and is 3 times lighter than current materials. The metallic layer offers better protection against overheating from the sun's rays. At the top of the envelope, the valve is made entirely of carbon fiber for lightness.


The gondola is a carbon floor strapped by high strength webbings sewn on ultra-light fabric and protective foam panels. At the end of the high modulus fiber lines, the gondola is attached to the envelope by the single suspension point consisting of the aircraft grade aluminium load circle.



The accessories are made with the lightness in mind. The seat and the sand shovels are in carbon fiber and the sandbags are sew in an ultra-light fabric. The guide rope is a very large strap increasing the braking resistance thanks to the much larger friction surface than the traditional round hemp ropes.

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