

Title *

Provide a title for your entry

Short description

Provide a brief description of your entry. Be clear and concise.

Image

 [Upload image](#)

Provide an image to represent your entry.

Phase I Submissions

To be eligible for a prize, Innovators will make a submission of information to GOFLY that meets the requirements set out in the Competition Guidelines (a “Submission”), and which also complies with the following: (a) Except for purchased or licensed content, any Submission must be the original work of Innovator; (b) Submissions must include only content (including any technical information, algorithms, designs, music, audio, visual or illustrative content, including logos, images, graphics, art, or other content, information, or materials protected any intellectual property right) that Innovator owns or has proper rights to use; (c) Innovator is required to disclose any purchased or licensed content that is part of a Submission. (d) Submissions must not contain any incomplete, corrupt, damaged, or malicious material; (e) Submissions must not contain material that violates or infringes another’s rights, including but not limited to privacy, copyright, trade secret, patent, trademark, publicity or any intellectual property rights; (f) Submissions must not disparage GOFLY, any Competition Sponsor or any Organization Partner; (g) Submissions must not contain material that is inappropriate, offensive, indecent, obscene, tortious, defamatory, slanderous or libelous and must not contain material that promotes bigotry, racism, hatred or harm against any group or individual or promotes discrimination based on race, gender, religion, nationality, disability, sexual orientation, or age; and (h) Submissions must not contain material that is unlawful, in violation of, or contrary to applicable laws or regulations. (i) Submission must contain a publicly-releasable graphic representation of the entry.

1. Information for GoFly publications

No data submitted in this section will be used to assess entries for prizes. Data submitted in this section may be used by GoFly in various publications such as team lists, award announcements, etc. By submitting data in this section, you are granting GoFly rights to publish the data in this section.

1.1. Device graphic *

No file chosen

Upload a publicly-releasable graphic representation of the entry to accompany announcement of awards. Square aspect ratio, minimum 2048x2048 pixels or vector format.

Note: The graphic must represent the device; this is not the team logo (see below).

1.2. Team name *

[text, one line {30 chars}]

1.3. Team type *

[drop-down menu with options:

Private individual(s) or group

Academia - university faculty and/or students

Corporation

Other]

If you selected "Other" or "Corporation" for team type, please specify

[text, one line {30 chars}]

E.g. if corporation, what type? LLC, GmbH, etc.

1.4. Team logo

No file chosen

If your team has a logo, please upload it here. Note: This is not the required device graphic (see above).

1.5. Team public URLs

[Text box {1000 chars}]

Please provide links if you have set up for your GoFly team: team website, LinkedIn, Twitter, Facebook, YouTube, Instagram, etc.

2. Administrative

No data submitted in this section will be used to assess entries for prizes. Privacy Policy. As part of this Competition, GOFLY may receive some of Innovator's personal information. The collection, use, and disclosure of this information will be governed by GOFLY's Privacy Policy located at www.GOFLYprize.com/privacy-policy. The Privacy Policy includes several ways to contact GOFLY with questions. By submitting such information, Innovator agrees that (i) GOFLY may use the personal information collected as described in the Privacy Policy and (ii) GOFLY may disclose such contact information and Competition registration information to Boeing. Innovator expressly authorizes Boeing to contact Innovator if Boeing so desires.

2.1. Contact information

2.1.1. Primary point of contact name *

[text, one line {30 chars}]

2.1.2. Primary point of contact email *

[text, one line {30 chars}]

2.1.3. Primary point of contact phone number *

[text, one line {30 chars}]

Format: +[country code] [phone number without leading zeros]

2.2. Alternate point of contact

[multi-line text {100 chars}]

Please provide name, email, and phone number.

2.3. Address

2.3.1. Team street address and postcode *

[multi-line text]

Format:

address line 1

address line 2 (optional)

Postcode

2.3.2. Team location *

City/state/country

2.4. Phase II registration *

[dropdown with options: yes, no]

I am/we are registered for Phase II of the GoFly competition.

3. Technical design report

Report format guidelines: Number your pages and adhere strictly to a content page limit of 18 pages maximum. A table of contents, list figures, and list of tables do not count toward the page limit; ALL OTHER CONTENT COUNTS TOWARD THE 18 PAGE LIMIT. Additional pages beyond the limit may not be reviewed. A cover page will be automatically generated, so there is no need to include any information from sections one or two anywhere in the design report or design summary. A page is 8-1/2 by 11 inches with type not smaller than 12 point or a maximum 10 characters per inch (10-pitch, pica) spacing, margins not smaller than 1 inch, and line spacing not smaller than single-spaced; charts may use 10 point font. Fold-outs up to 11 by 17 inches may be used but will be counted as two pages. The use of figures, tables, charts, and drawings is encouraged, but they must be relevant and referred to in the text of the report.

Upload your design report as a single PDF document *

No file chosen

The design report is the technical centerpiece of the submission and has three purposes:

1. Describe: Thoroughly describing your device specifications and performance.
2. Justify: Providing rationale that justifies the design decisions that led to the described device.
3. Substantiate: Showing that the claims made about the device design and the justification for the design choices are reasonable and accurate.

Aspects that should be described include:

- a) Physical configuration and systems, including, e.g., size, weight, power, and maturity level for each technology employed. Example configuration aspects and systems to include, where applicable, are: ground transportation scheme, operator accommodations (the configuration and volumetric assignments for human use), powertrain & propulsion, structures, control systems and software, emergency systems, and key secondary systems.
- b) Performance characteristics, defining the device's expected performance against those required for the GoFly fly-off. This should include, as applicable: Power, stability, and control requirements/capability at key flight phases (cruise, loiter, hover, transition, etc.); considerations of

the downwash velocity and acoustic fields in operating zones below/in the immediate vicinity of the specific design; and any additional performance capabilities that exemplify the performance of the proposed concept.

For each aspect of the device described, remember to justify why the choice was made (this will often be in the context of the effects on the performance characteristics) and provide substantiation, which may include computed results, simulations, test data, professional literature, and/or descriptions of tools used for design analysis.

4. Design summary

Data provided in this section may be direct excerpts of content from your technical design report or may be new content. However, your technical design report should stand alone.

4.1. Drawings

Drawings should be B size (11" x 17"). Identifying information from section one is not required on the drawings.

4.1.1. General arrangement drawing *

No file chosen *{pdf file type}*

Provide a dimensioned general arrangement scale drawing. Include at least three views (front, top, side, with additional views if necessary to illustrate device function) with major dimensions.

4.1.2. Inboard profile drawing *

No file chosen *{pdf file type}*

Provide an inboard profile drawing showing internal arrangement and key details. This should include additional views of the device or systems as necessary to illustrate functionality or key features.

4.2. Short device configuration description *

[multi-line text {250 chars}]

Write a short description to classify the configuration of your device.

4.3. Fuel/energy source(s) type(s) *

[text, one line {30 chars}]

Describe the fuel/energy type(s) consumed by your device.

4.4. Tradeoffs summary *

[multi-line text {1500 chars}]

Provide a brief summary of the top tradeoffs discussed in the design report, summarizing the key risks, payoffs, and compromises of major design decisions.

4.5. Expected fly-off parameters

See the rules for further details on how these parameters are measured.

4.5.1. Estimated size (maximum device dimension) *

[text, one line {4 chars}]

Units of feet.

4.5.2. Estimated noise (sound pressure level at 50 ft) *

[text, one line {4 chars}]

Units of dBA.

4.5.3. Estimated speed (6 nmi divided by time to complete speed run) *

[text, one line {4 chars}]

Units of knots.

4.6. Top-level weights

Enter estimated weights in pounds.

4.6.1. Operating empty weight *

[text, one line {5 chars}]

4.6.2. Operator weight *

[text, one line {5 chars}]

4.6.3. Fuel/energy source(s) weight *

[text, one line {5 chars}]

4.6.4. Maximum takeoff weight (total of the above) *

[text, one line {5 chars}]

5. Commercial considerations

5.1. Innovations & technological enablers *

[multi-line text {1500 chars}]

Describe up to three innovations, technologies, or approaches that are key enablers that make the concept for your device possible. Be sure to include unusual or novel technology and highlight any items that are key enablers due to recent technology developments.

5.2. Market-driven design *

[multi-line text {1500 chars}]

Excluding the safety-driven aspects (see above), describe up to three of the most important aspects/features of your concept (or that will/could be applied to the concept but are not in scope of the GoFly fly-off) that significantly impact and/or were driven by marketing, commercial, or business considerations.

5.3. Safety-driven design *

[multi-line text {1500 chars}]

Describe up to three of the most important aspects/features of your concept (or that will/could be applied to the concept) that significantly impact and/or were driven by making the concept adequately safe.

6. Draft safety report

See safety report guidelines in the “Safety report” section of the rules.

6.1. Single-point failures and mitigations *

[multi-line text {2500 chars}]

List the single-point system failures that could lead to a hazardous condition and the proposed/possible design mitigation(s) for each.

6.2. Safety report

No file chosen *{pdf or zip}*

You may upload any additional safety-related content, such as test data, safety analyses, etc. (including expansion on your plain-text list of single-point failures and mitigations) and/or references to articles or other relevant published content. There is no page limit.

7. Project execution

7.1. Schedule and budget *

[multi-line text {5000 chars}]

List five to fifteen of your major project milestones (in chronological order) and expected cumulative project expenditures (in USD) at each milestone, culminating in the October 2019 fly-off. Include in the description any crucial necessary precursors to achieving the milestone.

Format with one milestone per line: date, cumulative expenditure, name/description.

7.2. Resources

7.2.1. Funding *

[multi-line text {750 chars}]

Describe your planned or expected funding source(s), broken down by source or category as appropriate.

Format with one source/category per line: amount (in US dollars), name/description.

Total *

[text, one line {8 chars}]

Total of above funding sources (in US dollars).

7.2.2. Facilities *

[multi-line text {750 chars}]

Briefly describe the facility or facilities your team will use. Be sure to highlight any unique facilities necessary for execution of the project, including flight test facilities.

Format with one facility per line: facility name or type, with optional short description.

7.2.3. Personnel *

[multi-line text {5000 chars}]

List all team members.

Format with one team member per line: full name, role/responsibilities, short (less than 50 words) biography highlighting any experience relevant to the project.

7.3. Airworthiness and legal flight testing approach *

[multi-line text {1500 chars}]

List the rule(s) / regulation(s) under which you plan to conduct flight testing activities prior to the fly-off. Regulations for any future product need not be addressed here. Please include for each item the testing type/phase, if applicable, and the jurisdiction if other than the country provided in section 2.3.

7.4. Risks *

[multi-line text {750 chars}]

Describe up to 3 of your top project risks, technical or otherwise.

7.5. Future tests & risk reduction *

[multi-line text {1000 chars}]

Describe your planned testing and experiments (ground and flight), as they relate to de-risking and/or substantiating the device and performance.