

ShipDX
2020

JUDGING CRITERIA

ShipDX FINAL



1. Exceed expectations (10pts):

The greatest achievement is to outperform yourself.

Here we will grade your project as a whole, looking at:

- Creativity and originality of houseboat concept (6pts):
 - Hull shape (2pts);
 - Superstructure & exterior aesthetics (2pt);
 - Commercial feasibility (1pts);
 - Innovation factor (1pt);
- Functionality and comfort of houseboat concept (4pts):
 - Subdivision and allocation of spaces (2D plans of interior) (2pts);
 - Smart space management (smart furniture and smart space allocation solutions) (3D renderings) (2 pts);



2. Be responsible engineers (12pts):

An idea without engineering is a dream.

Here we will look at all the engineering that makes your houseboat float the right side up:

- Total weight calculations and first estimates of sailing draught (3pts);
- Results of hydrodynamic calculations and clear understanding of how these parameters impact ship design (2pts);
- Results of stability calculations and clear understanding of how these parameters impact ship design (2pts);
- Results of forward resistance calculations (2pts) ;
- Propulsion system (description, on-board integration and efficiency) (3 pts);



3. Be green and friendly to the environment (8pts):

Living sustainably isn't a hippie thing. It's a survival thing.

This is the part where we put emphasis on being green & sustainable-conscious.

- List and implementation of green solutions (3pts);
- List and implementation of sustainable solutions (3pts);
- Autonomy (sailing & stationary) (2pts);

**When detailing the implementation of green or sustainable solutions you will need to explain the benefits and impact on the environment*



4. Work as a team (10pts):

Alone we can do so little; together we can do so much.

Here we will look at how you clicked together as a team and how all your ideas merged into a common vision:

- Team spirit (own logo, brochures, other team particulars) (3pts);
- Presentation skills (PowerPoint presentation layout, public speaking skills, ability to inspire and persuade the public that your houseboat concept is the best) (3pts);
- Awareness and implementation of Project Management techniques (PM position, Gantt chart, project progress, clarity of templates and reports) (4pts).

