**Idea 21**

Main Specifications:
- Overall length: 6.75 m (retracted bowser)
- Hull length: 6.47 m
- Waterline length: 5.30 m
- maximum beam: 2.56 m
- heel down draft: 1.15 m
- heel up draft: 0.52 m
- design displacement: 1200 kg
- light displacement: 925 kg
- ballast: 275 kg
- height from waterline: 9.52 m
- waterplane area: 28.9 m²
- CE design category: CA, B4-C8

Measurements for manual reefing points are not mandatory; set the reefing points so that the second one reduces the mainsail area of approx. 40% or more, relying on the intended use and/or the presence of strong winds in the area; the third reefing point is not mandatory but recommended.

- Main sail: base free on the boom, and a halyard on mast with plastic, self-locking or self-tailing slides (ball bearings), provide full length battens with pockets and tension adjusters, set in position according to wind and sea conditions; leech and luff leech may be lifted (they're not on the drawing).

- foresail for wind setting is a small low overlap jib, hoisted on the wire or dyneema forestay with classical halyard; you can decide to make the foilsleeve for downwind setting a gennaker can be hoisted on the foresail; a code zero may be hoisted on the bowwye, to roll from upwind to reach in light wind.

- minimum fairing for mast stiffness: mast in aluminum alloy or carbon, composite 5/6 battened, unsplitter, 3/4, internal halyard:
  - lanyard: 45 cm
  - fairlead: 19 cm

- mainsail: aluminum alloy, authour, internal purchase minimum 13, internal slides for at least two reefing points, wings fair mainsheet and vang.

- bowpulpit: aluminum alloy or carbon fiber, circular section, outer diameter 45 mm at root, tapered to 40 mm diameter at tip, width 3.5 m, or more (for aluminum alloy), it is a block on the tip and a pad eye on the root.

- Wire the mast to host VHF antenna, masthead lights, and wind station on the mainboard.

- Standing rigging:
  - wire: 4mm or 5/32" stainless: 19/32"
  - diameter:
    - shroud: 5/16"
    - forestay: 5/32" or dyneema 4 mm
  - swept spreader: 23-29°

- stud plan: study plans Scale 1:15

- date: Sept. 2014

- design by: Christian Pilø

- IDEA 21

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