460 cm in overall length, with a maximum beam of only 50 cm and 75 kg in weight. These are the numbers that sum up Scarligamerluss. The prototype is the first hydro-dynamically foil supported boat developed at the university within the teaching/sports 1001Vela project, the circuit that compares boats designed and built by students on university courses. Compared to the existing ones, in particular the Moth class, this one is different because it involves a double crew, which made it complex and challenging at the same time, considering the resolution of the problems of ergonomics on board and the sizing of structural parts to control the weight. The salient features are the submerged horizontal fittings that allow hydrodynamic support while sailing, but also reduction of the forward resistance factor and, therefore an increase in speed. The design is completed with a variable profile high efficiency wing sail, with only 14 square meters, which allows the boat to come out of the water with a genuine wind speed of only 15 km/h.