

## PRESS KIT



### *MECA: Company profile*



City: **Nantes (Pays de la Loire)**

Activity: **Technical engineering office structure**

Manager: **Ralph GRUAND & Samuel DURAND**

#### ***Presentation of the Project's Partner Company***

Méca is specialized in providing services in the field of mechanical analysis and validation of fixed or mobile structures. It is a pole of expertise with complementary skills in mechanical analysis. Calcul-Méca, Conception-Méca, Expert-Méca and Fluide-Méca form a cluster of consulting, research & development, studies and mechanical analyses around the behavior of materials and structures.

Both a structural calculation office and an expert in material behavior, Méca is a technical design office for special structures (B.E.T.). We put our expertise and experience in mechanical analysis at the service of industrialists, contracting authorities, architecture and construction.

#### ***Involvement in the project***

Méca has been a partner of the Solidsail project since its conceptual phases. Since the beginning of 2016, Méca has been tasked to work on the initial studies of a tilting and orientation system for a very large balestron mast, but also on the initial studies related to the kinematics for the hoisting and lowering of a mainsail made of rigid panels. It was then a question of proposing concepts, of orienting towards possible technological solutions, of providing an order of magnitude of the dimensions in order to allow the estimation of a budget of realization.

Since 2020, Méca accompanies Chantiers de l'Atlantique and its various partners for the design and dimensioning of the composite masts that will soon receive the final scale rigid sails.