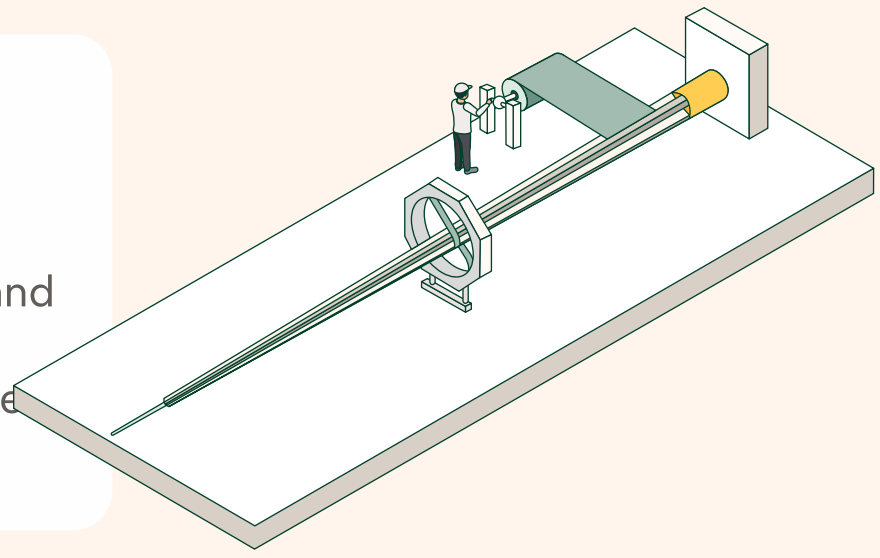
Do you know how **the blades of a wind turbine** are made?

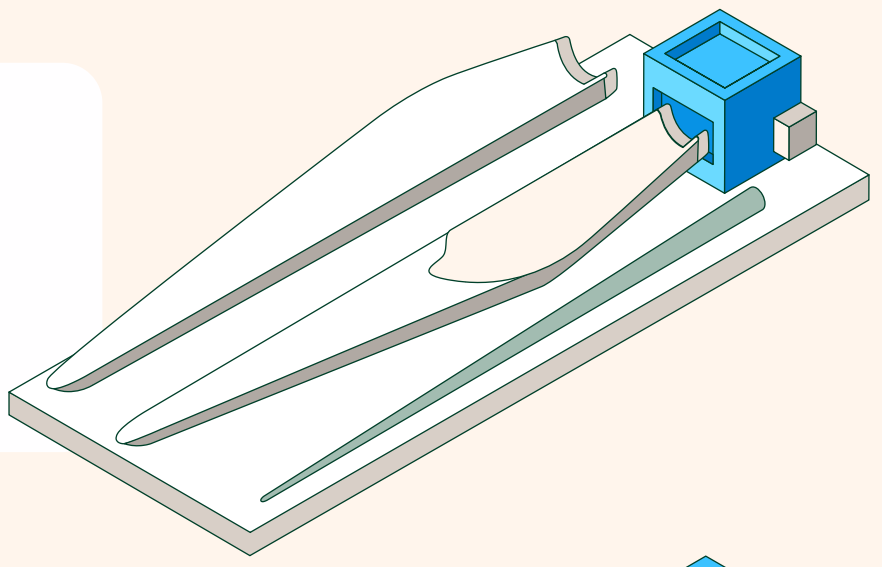
1 Manufacturing of the beam

This is the inner part of the blade and is composed of materials formed of fibreglass and carbon pre-coated with epoxy resin - a thermostable polymer that hardens when mixe with a catalyst agent.



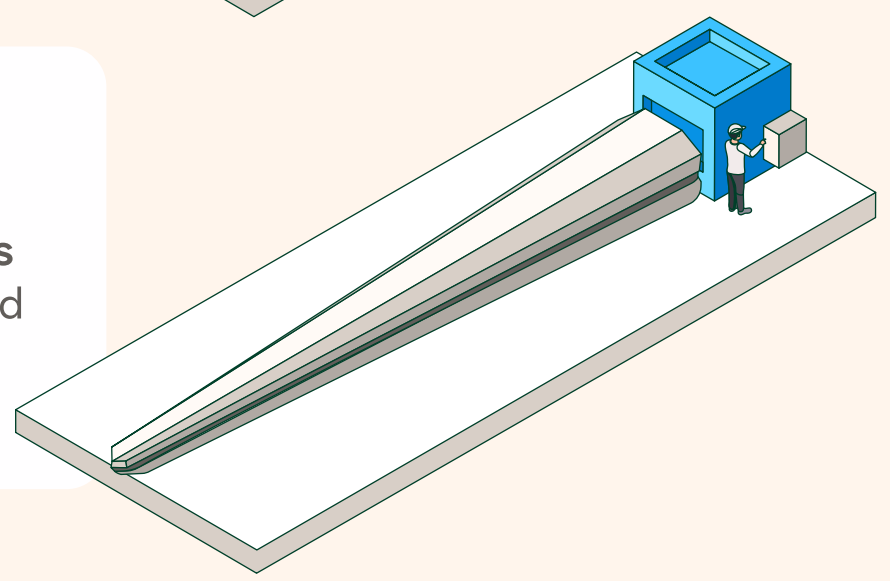
2 Manufacturing of the shells

They cover the girders and are made of fibreglass. In addition, they are covered by a layer of paint, which provides protection.



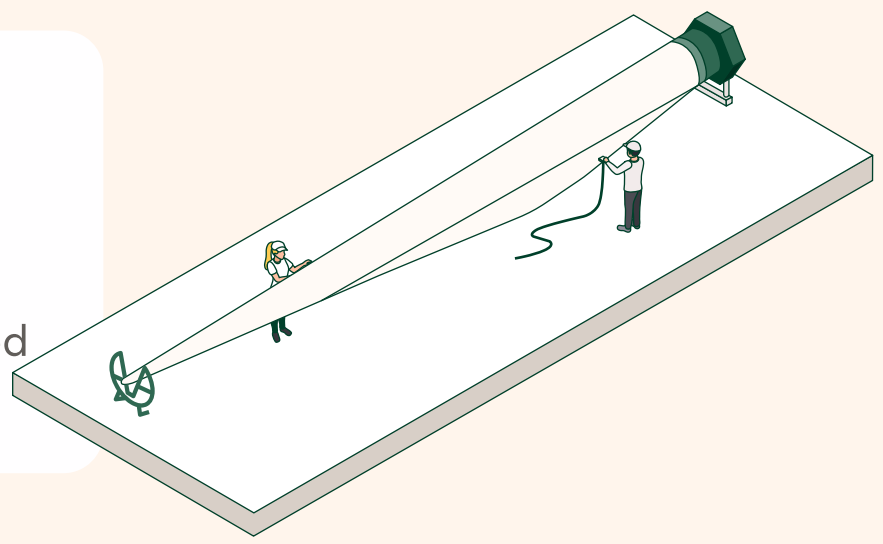
3 Assembly and curing

After obtaining the two shells, **the next step is to bond the girder** between the two shells and have them pass through an oven to form a single firm and strong structure.



4 Finishing

Once the leading and trailing edges of the blade are finished, **the structure undergoes a new inspection** prior to the blade being moved to its destination wind farm.



5 Transportation and installation

The blades of a wind turbine are very heavy, massive structures. The blades of the **Saint Brieuc** offshore wind farm, for example, have a length of 82 meters. **The require specialised** forms of transport that are capable of loading these structures and carrying them to their destination. At the destination, **an experienced team of people** assembles the blades and the rotor on the nacelle.