Claims

1. A method for producing a rotor blade of a wind turbine in a two-storey producing building with a ground floor level for the production of a first part of a rotor blade and an upper floor level, which is disposed above the ground floor level, for the production of a second part, for example semifinished products for the rotor blade,
wherein, on the ground floor level and on the upper floor level, the production of the first and second parts is done simultaneously and/or in parallel.

2. Method according to Claim 1,
characterized in that, the parts, which are produced on the upper floor level, are transported from the upper floor level to the ground floor level by means of a crane or a cable winch etc. and thus, can be consolidated with the parts produced on the ground floor level.

3. The method according to one of the above claims,
characterized in that a first crane, for example a gantry crane is formed on the upper floor level, for lifting and/or transporting the parts produced there, and in that a second crane, for example a gantry crane, is formed on the ground floor level, for lifting and/or transporting the parts of the rotor blade produced there,
wherein the load capacity of the first crane (cable) is less than the load capacity of the second crane.

4. Method according to Claim 3,
characterized in that the maximum crane load (bearing load) of the crane on the ground floor level falls in the range of 30 t to 40 t, while the maximum crane load of the crane on the upper floor level falls in a range between 1 t and 10 t, preferably 5 t.

5. The method according to one of the above claims,
characterized in that an opening is provided between the upper floor level and the ground floor level, in the floor of the upper floor or, respectively, in the ceiling of the ground floor, through which opening the parts, which are produced on the upper floor level, can be lowered to the ground floor level, and
wherein this opening can be closed, for example by means of a plate, which is embedded in the floor of the upper floor level and/or in the ceiling of the ground floor level, which plate can be moved by a motor.

6. A production facility, in particular a production building, for producing a rotor blade of a wind power installation, comprising:

- a ground floor level for the production of a first part of the rotor blade, and
- an upper floor level for the production of a second part, for example semifinished products for the rotor blade,

wherein, on the ground floor level and on the upper floor level, the production of the first and second parts is done simultaneously and/or in parallel,
wherein a first crane, for example a gantry crane is disposed on the upper floor level, for lifting and/or transporting the parts produced there, and/or wherein a second crane, for example a gantry crane, is disposed on the ground floor level, for lifting and/or transporting the parts of the rotor blade produced there.

7. The production facility according to Claim 6, characterized in that an opening is provided between the upper floor level and the ground floor level, in the floor of the upper floor or, respectively, in the ceiling of the ground floor for lowering parts, which are produced on the upper floor level.

8. The production facility according to one of the Claim 6 or 7, characterized in that the production facility is prepared to implement a method according to one of the Claims 1 through 5.

Claims

1. A method for producing a rotor blade of a wind turbine in a two-storey producing building with a ground floor level for the production of a first part of a rotor blade and an upper floor level, which is disposed above the ground floor level, for the production of a second part, for example semifinished products for the rotor blade,
wherein, on the ground floor level and on the upper floor level, the production of the first and second parts is done simultaneously and/or in parallel.

2. Method according to Claim 1,
characterized in that, ~~on the ground floor level and on the upper floor level, the production of the first and second parts is done simultaneously and/or in parallel, and in that~~ the parts, which are produced on the upper floor level, are transported from the upper floor level to the ground floor level by means of a crane or a cable winch etc. and thus, can be consolidated with the parts produced on the ground floor level.

3. The method according to one of the above claims,
characterized in that a first crane, for example a gantry crane is formed on the upper floor level, for lifting and/or transporting the parts produced there, and in that a second crane, for example a gantry crane, is formed on the ground floor level, for lifting and/or transporting the parts of the rotor blade produced there,
wherein the load capacity of the first crane (cable) is less than the load capacity of the second crane.

4. Method according to Claim 3,
characterized in that the maximum crane load (bearing load) of the crane on the ground floor level falls in the range of 30 t to 40 t, while the maximum crane load of the crane on the upper floor level falls in a range between 1 t and 10 t, preferably 5 t.

5. The method according to one of the above claims,
characterized in that an opening is provided between the upper floor level and the ground floor level, in the floor of the upper floor or, respectively, in the ceiling of the ground floor, through which opening the parts, which are produced on the upper floor level, can be lowered to the ground floor level, and
wherein this opening can be closed, for example by means of a plate, which is embedded in the floor of the upper floor level and/or in the ceiling of the ground floor level, which plate can be moved by a motor.

6. A production facility, in particular a production building, for producing a rotor blade of a wind power installation, comprising:

- a ground floor level for the production of a first part of the rotor blade, and
- an upper floor level for the production of a second part, for example semifinished products for the rotor blade,

wherein, on the ground floor level and on the upper floor level, the production of the first and second parts is done simultaneously and/or in parallel,

wherein a first crane, for example a gantry crane is disposed on the upper floor level, for lifting and/or transporting the parts produced there, and/or wherein a second crane, for example a gantry crane, is disposed on the ground floor level, for lifting and/or transporting the parts of the rotor blade produced there.

7. The production facility according to Claim 6, characterized in that an opening is provided between the upper floor level and the ground floor level, in the floor of the upper floor or, respectively, in the ceiling of the ground floor for lowering parts, which are produced on the upper floor level.

8. The production facility according to one of the Claim 6 or 7, characterized in that the production facility is prepared to implement a method according to one of the Claims 1 through 5.