Attendant profile

Attendant profile: WTG Service technicians

Course duration

3 days, 21 lessons.

Pre-requisites for participation

To attend training course the participant must hold a certificate from one of the following:
- Global Blade Service Level 2
- Vestas basic training M7000
- Siemens Blade B

Alternatively, same level of qualification gained from blade service in the field or from blade production.
Knowledge and skills must be proven by a qualification test prior to joining the course.

Course outcome

To qualify participant to perform client specific inspection and repair of damaged LPS Mesh on WTG blades.

Objectives

After the training, the participant has achieved knowledge of:
- General construction and function of aluminium or copper Mesh
- Infusion process for vertical repair of Mesh
- Replacement of wear parts on LPS

And has achieved the following competences:
- Carry out Detailed Visual Inspection of damaged Mesh
- Remove damaged Mesh and damaged fiberglass layer down to core or carbon flange
- Prepare contact surface on existing Mesh
- Carry out vertical repair process by vacuum infusion
- Measure out resistance in repair mesh by use of milliohm meter
- Apply filler and topcoat
- Compile documentation for inspection and repair process

Training method

Theoretical training
Demonstration
Individual practical exercises

Success criteria

Minimum 80% correct answers on theoretical test
Approval of practical exercises and test

Training modules

1 Training information

2 LPS construction in blades

3 Basic electric

4 Health and safety

5 Lightning damages on mesh

6 Infusion

7 Documentation of repair work

8 Practical exercises

9 Tests