

Operations & Maintenance (OM)

Endiprev has a highly qualified team able to provide maintenance and service operations for OEM's in onshore and offshore wind farms. The Operations & Maintenance service involves a full range of maintenance and service tasks (including functional checks, repair, and/or replacement of equipment) to keep turbines operating as efficiently as possible to maximize energy output.

The Operations & Maintenance team is picked carefully for each task, with efficient technicians, and with the right competencies to optimizing the service, whether it is scheduled or unscheduled, reducing the cost and minimizing the wind turbine downtime.

This service is usually divided into two large areas.

Preventive Maintenance (PM)

In this periodic and scheduled inspection, Endiprev's team identifies small problems and repairs them before they become a risk to the normal operation of the wind turbine.

The Preventive Maintenance main objective is to ensure that the wind turbine works for a period of time between inspections without failures caused by fatigue, neglect, or natural wear and tear.

Corrective Maintenance (CM)

This activity includes all the necessary maintenance after an equipment malfunction or when its inefficient function becomes costly. Malfunction or inefficient function may damage other parts causing damage with significant replacement costs and/or loss of revenue.

Endiprev's team has experience in many services within the corrective maintenance area, such as replacement of large components (major correctives), inspection and replacement of bearings, troubleshooting, and retrofits.

Remote Control

As the wind turbines are being commissioned, the Operations & Maintenance team is responsible for monitoring the energy production of each one. The costs of monitoring offshore wind farms are incredibly high, as it is if the offshore wind turbines do not produce the estimated energy.

The Endiprev's Remote Control team monitors for 24/7 the offshore wind turbines, detecting almost instantly any problems that might occur, fixing them, or warning the team on the wind farm. This service consists mostly in:

- 24/7 surveillance as an operator in the commissioning Remote Operation Center (ROC) supporting the offshore activities, monitoring the wind farm, and performing troubleshooting and commissioning from remote.
- Daily reports for the wind turbine generator in Operations.
- Production Base Analysis, comparing the generating of energy and its cost.
- Use of SCADA control system to supervise the communications between the wind turbines and the substation.



Countries with offices

9



Number of countries
where we have worked

+ 30



Number of Projects

+ 300



Maintenance

+ 1000 WTG
+ 2 GW