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RESEARCH TO REDUCE BIRD STRIKES ON WIND TURBINES

1 INTRODUCTION

In an attempt to minimise the number of bird strikes on wind turbines, research is currently conducted involving seven wind turbines in windfarm Eemshaven (see AIP ENR 5.4 OBST ID 320) until the end of 2024.

Experiments in Norway show that by using non-standard markings the visibility of wind turbines is vastly improved for birds. This has to do with how birds see rotating blades of a wind turbine. When a bird comes close to the rotating blades, the three individual blades can merge into a smear and birds may no longer perceive it as an object to avoid. By painting one of the wind turbine blades black, the pattern is interrupted and the wind turbine will become more visible for birds and therefore reduce bird strikes.

The research must show whether painting a wind turbine blade black helps to reduce the number of dead birds in the Netherlands.

2 DOCUMENT CONTROL

REF AIP EHHE AD 3.10 Helicopter obstacles.

NOTAM B0705/22 is hereby cancelled.

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