

## DTBird® FACT SHEET DETECTION MODULE

### BIRD MONITORING ONSHORE - OPERATING WTGS

Study Period:	January 2013 - June 2015	
Study Area:	Wind farms equipped with DTBird® Detection Module, located in France, Greece, Italy, Norway, Poland, Spain, Sweden, Switzerland and USA.	
Wind Turbine Generators (WTGs) Studied:	All WTGs equipped with DTBird® Detection Module (>50 WTGs)	
Radius of the Surveillance area around the WTG:	<b>Bird wingspan</b>	<b>Radius</b>
	>150 cm	150-250 m
	75-150 cm	75-150 m
	<75 cm	25-75 m
Service Period:	Daylight (>50 lux)	
Total N° Birds detected within the Surveillance area:	>50.000 <sup>1</sup> birds	
Mean N° Birds detected/WTG/Year:	900 Birds (range 100 - 3.200 birds)	

### GROUPS

### Examples of Species detected & identified<sup>2</sup> with DTBird® Detection Module

Raptors	<i>Aquila chrysaetos, Buteo buteo, Circaetus gallicus, Circus aeruginosus, Circus pygargus, Falco naumanni, Falco tinnunculus, Gyps fulvus, Haliaeetus albicilla, Hieraaetus pennatus, Milvus migrans, Milvus milvus</i>
Crows	<i>Corvus corax, Corvus corone, Corvus monedula</i>
Passerines	<i>Apus apus, Columba palumbus, Delichon urbicum, Eremophila alpestris, Garrulus glandarius, Lanius excubitor, Merops apiaster, Monticola solitarius, Phoenicurus ochruros, Pica pica, Saxicola torquata, Sturnus vulgaris</i>
Waterfowls (Ducks, Geeses, Swans)	<i>Anser anser, Branta canadensis, Cygnus cygnus</i>
Cormorants	<i>Phalacrocorax carbo</i>
Hérons & Storcks	<i>Ardea cinerea, Ciconia ciconia</i>
Gannets & Pelicans	<i>Pelecanus crispus</i>
Cranes	<i>Grus grus</i>
Gulls	<i>Larus michaellis</i>

<sup>1</sup> Excluded flocks of birds detected flying above the Rotor Swept Area, without any collision risk.

<sup>2</sup> Identification performed through the review of video recordings of bird flights detected by DTBird® Detection Module, stored online in DTBird® Data Analysis Platform (DAP).