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REFERENCES

Knowing which way the wind is blowing.

PLANNING

Analysis of potential area

- For different provinces and regions in Austria and Germany

Wind measurements with met mast (206 measurements)

- Austria: 186
- Bulgaria: 2
- Croatia: 1
- France: 1
- Germany: 3
- Rumania: 8
- USA: 5

Wind measurements by means of Remote Sensing Devices - LiDAR/SODAR (130 measurements)

- Austria: 78
- Bulgaria: 1
- Croatia: 1
- France: 1
- Germany: 38
- Hungary: 1
- Rumania: 3
- Slovakia: 2
- Slovenia: 3
- USA: 2

RSD-Verifications at EWS-Testfield Stetteldorf am Wagram (175 verifications)

Acoustic noise immission measurements and evaluation (156 measurements)

- Austria: 151
- Germany: 5

Wind potential and energy yield forecast (4.339 MW)

- Austria: ca. 2.259 MW
- BIH: 1 project, 50 MW
- Bulgaria: 5 projects, 82 MW
- Canada: 3 projects, 60 MW
- Czech Republic: 6 projects, 35 MW
- Croatia: 5 projects, 110 MW
- Ethiopia: 1 project, 100 MW
- France: 1 project, 15 MW
- Germany: 25 projects, 372 MW
- Hungary: 2 projects, 64 MW
- Rumania: 14 projects, 755 MW
- Slovakia: 4 projects, 42 MW
- Spain: 1 project, 16 MW
- Turkey: 2 projects, 170 MW
- USA: 3 projects, 209 MW

Site classification and evaluation of WTG suitability (2.567 MW)

- Austria: ca. 2.203 MW
- Bulgaria: 1 project, 8 MW
- Germany: 7 projects, 84 MW
- Rumania: 5 projects, 169 MW
- Slovakia: 3 projects, 38 MW
- Switzerland: 2 projects, 65 MW

GOOD NEWS FOR PLANET EARTH

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Ornithological and bat expertise (112 surveys)

- Austria: 101
- Germany: 10
- Slovenia: 1

Electrotechnical planning and grid calculations

- Austria: 32

Technical permit planning (1.636 MW)

- Austria: 41 EIA, 1.103 MW
- Austria: 59 Electrical permit procedures, 421 MW
- Austria: 19 Procedures for project modification
- Bulgaria: 2 projects, 36 MW
- Germany: 4 projects, 76 MW

Technical Due Diligence (6.634 MW)

- Austria: 527 MW
- Belgium: 390 MW
- Bulgaria: 140 MW
- Croatia: 136 MW
- Czech Republic: 93 MW
- France: 12 MW
- Germany: 54 MW
- Hungary: 380 MW
- Italy: 40 MW
- Netherland: 11 MW
- Poland: 20 MW
- Portugal: 435 MW
- Rumania: 1.602 MW
- Slovakia: 511 MW
- USA: 483 MW
- additional: 1.800 MW partially evaluated

IMPLEMENTATION

Construction management (2.518 MW)

- Austria: 122 projects, 2.425 MW
- Bulgaria: 4 projects, 62 MW
- Croatia: 1 project, 12 MW
- Czech Republic: 1 project, 2 MW
- Rumania: 2 projects, 17 MW

Ecological construction management

- Austria: 2 projects

OPERATION

Partial discharge measurements

- Austria: 870 measurements

Biological / ecological monitoring

- Austria: 27

Acoustic noise emission measurements and tonality analysis

- Austria: 44
- Germany: 2

Power curve measurements and performance check

- Austria: 17
- Germany: 6

REPOWERING

Technical permit planning

- Austria: 9 projects, 243 MW
- Germany: 3 projects, 46 MW

Construction management

- Austria: 11 projects, 456 MW

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RESEARCH PROJECTS AND STUDIES (EXAMPLES)

- EWS Sonnnenfeld® Bruck/Leitha - agri-photovoltaics research and demonstration plant, Lower Austria (project start: 2022)
- Wind Turbine Performance Testing, research project, Upper Austria (2018)
- LiDAR wind measurement "Wind im Wald", research project, Upper Austria (2012)
- Developing LiDAR and BAT measurement technology, research project, Upper Austria (2014)
- Study on the repowering potential of wind energy, Lower Austria and Burgenland (2010)