

# REFERENCES

Knowing which way the wind blows.

## PLANNING

### Analysis of potential area

- For different provinces and regions in Austria and Germany

### Wind measurements with met mast (200 measurements)

- Austria: 180
- Bulgaria: 2
- Croatia: 1
- France: 1
- Germany: 3
- Rumania: 8
- USA: 5

### Wind measurements by means of Remote Sensing Devices - LiDAR/SODAR (105 measurements)

- Austria: 63
- Bulgaria: 1
- Croatia: 1
- France: 1
- Germany: 32
- Hungary: 1
- Rumania: 2
- Slovenia: 2
- USA: 2

### RSD-Verifications at EWS-Testfield Stetteldorf am Wagram (75 verifications)

### Acoustic noise immission measurements and evaluation (146 measurements)

- Austria: 141
- Germany: 5

### Wind potential and energy yield forecast (3.396 MW)

- Austria: ca. 1.568 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: 14 projects, 156 M
- Hungary: 2 projects, 64 MW
- Rumania: 12 projects, 739 MW
- Slovakia: 3 projects, 22 MW
- Spain: 1 project, 16 MW
- Turkey: 2 projects, 170 MW
- USA: 3 projects, 209 MW

### Site classification and evaluation of WTG suitability (1.298 MW)

- Austria: ca. 1.060 MW
- Bulgaria: 1 project, 8 MW
- Germany: 1 project, 3 MW
- Rumania: 5 projects, 169 MW
- Slovakia: 2 projects, 18 MW
- Switzerland: 1 project, 40 MW

### Ornithological and bat expertise (52 surveys)

- Austria: 46 projects
- Germany: 5 projects
- Slovenia: 1 project

### Technical planning & permit procedures (1.914 MW)

- Austria: 39 EIA, 1.050 MW
- Austria: 58 Electrical permit procedures, 405 MW
- Austria: 16 Procedures for project modification, 411 MW
- Bulgaria: 2 projects, 36 MW
- Germany: 1 project, 12 MW

### Technical Due Diligence (6.546 MW)

- Austria: 439 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 (2.115 MW)

- Austria: 111 projects, 2.022 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: 660 measurements

### Acoustic noise emission measurements and tonality analysis

- Austria: 24
- Germany: 2

### Biological / ecological monitoring

- Austria: 17

### Power Curve Measurements and Performance Check

- Austria: 17
- Germany: 6

## REPOWERING

### Technical planning & permit procedures

- Austria: 7 projects, 193 MW

### Construction management

- Austria: 8 projects, 300 MW

## RESEARCH PROJECTS AND STUDIES (EXAMPLES)

- EWS Sonnenfeld® 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)