

References Projects

Status 01/2021

Measurement and Evaluation

Wind measurements with met mast (190 measurements)

- _ Austria: 172
- _ Germany: 2
- _ USA: 5
- _ Bulgaria: 2
- _ Romania: 8
- _ France: 1

Measurements by means of Remote Sensing Devices LiDAR/SODAR (79 measurements)

- _ Austria: 48
- _ Bulgaria: 1
- _ Croatia: 1
- _ Germany: 25
- _ France: 1
- _ Slovenia: 1
- _ USA: 2

RSD-Verification at EWS-Testfield in Stetteldorf am Wagram (5 verifications)

Wind potential and energy yield forecast (3.001 MW)

- _ Austria: ca. 1.419 MW
- _ BHI: 1 project, 50 MW
- _ Bulgaria: 5 projects, 82 MW
- _ Canada: 3 projects, 60 MW
- _ Croatia: 5 projects, 110 MW
- _ Czech Republic: 6 projects, 35 MW
- _ Ethiopia: 1 project, 100 MW
- _ France: 1 project, 15 MW
- _ Germany: 5 projects, 31 MW
- _ Hungary: 2 projects, 64 MW
- _ Romania: 11 projects, 634 MW
- _ Slovakia: 3 projects, 22 MW
- _ Turkey: 2 projects, 170 MW
- _ USA: 3 projects, 209 MW

Site classification and evaluation of WTG suitability (770 MW)

- _ Austria: ca. 572 MW
- _ Bulgaria: 1 project, 8 MW
- _ Germany: 1 project, 3 MW
- _ Romania: 5 projects, 169 MW
- Slovakia: 2 projects, 18 MW

EWS Power Curve Check & Performance Check

- _ Austria: 13
- _ Germany: 3

EWS Power Curve Measurements according to EN 61400-12-1 Ed.2

- _ Austria: 3
- _ Germany: 2

Acoustic noise immission measurements and evaluation

- _ Austria: 123 reports
- _ Germany: 2 reports

Acoustic noise emission measurements and tonality analysis

- _ Austria: 10 reports
- _ Germany: 1 report

Technical Due Diligence (6.293 MW)

- _ Austria: 239 MW
- _ Belgium: 390 MW
- _ Bulgaria: 140 MW
- _ Czech Republic: 93 MW
- _ Croatia: 94 MW
- _ France: 12 MW
- _ Germany: 54 MW
- _ Hungary: 380 MW
- _ Italy: 40 MW
- _ Poland: 20 MW
- _ Portugal: 435 MW
- _ Romania: 1.602 MW
- _ Slovakia: 511 MW
- _ USA: 483 MW
- _ Additional: 1800 MW partially evaluated

Planning

Technical planning & permit procedures (1.376 MW)

- _ Austria: 35 Environmental impact assessments, 923 MW
- _ Austria: 58 Electrical permit procedures, 405 MW
- _ Bulgaria: 1 project, 12 MW
- _ Germany: 2 projects, 36 MW

Repowering

- _ Austria: 7 projects, 193 MW

EWS analysis of potential areas for wind power utilization

- _ For different Austrian provinces and regions.

Implementation

Construction management (1.806 MW)

- _ Austria: 99 projects, 1.703 MW
- _ Bulgaria: 4 projects, 62 MW
- _ Croatia: 2 project, 22 MW
- _ Czech Republic: 1 project, 2 MW
- _ Romania: 2 projects, 17 MW

Repowering

- _ Austria: 8 projects, 131 MW
- _ Romania: 1 project, 7 MW

Electrical and Power Systems Engineering

Partial discharge measurements

- _ Austria: 343 measurements

Biology / Ecology

Ornithological and bat expertise

- _ Austria: 19 projects
- _ Germany: 1 project
- _ Slovenia: 1 project

Ecological construction management

- _ Austria: 2 projects

Biological / ecological monitoring

- _ Austria: 11 projects

Research Projects & Studies (examples)

- _ Research Project "Wind turbine performance testing" Upper Austria (2016)
- _ Research Project "Further development of LIDAR & BAT measurement technology", Upper Austria (2014)
- _ Research Project LIDAR Wind measurement „Wind in Forests“, Upper Austria (2016)
- _ Study about „Repowering-Potential from Wind Energy, Lower Austria and Burgenland“ for Verbund-Austrian Renewable Power GmbH (2010)