

Assessment of diploma work supervisor

Title: **Design of wind-diesel off-grid power supply system**

Name of student: **Pavel Shvetsov**

Student's task was to make both basic technical and economical evaluation of the off-grid isolated electric supply system based on diesel and wind sources. The student prepared an analysis of the current state of the system without and with new wind turbines. The technical part of his work includes parts prepared in Tomsk school. Subsequently he optimizes the system, calculates financial outcomes from system and investors's point of view. The student worked during all the year I can gradually monitor an advancement of his work. Author solved all problems that occurred during our consultations. He accomplished all points of the diploma work successfully.

The author studied many text materials that are properly cited. Then he implemented his knowledge and integrated it in the methodology that can be used in similar problems. These calculations are thoughtful and show a very good engineering competence of the author.

In the final part of the diploma work the student made the NPV calculation and the sensitivity analyses of the project.

Formal level of the work is acceptable, I can find some minor language errors. Citation and references are made in proper manner.

The final assessment of the diploma work is

– B very good –

27. 5. 2022

Ing. Martin Beneš

