

I. IDENTIFICATION DATA

| | |
|-------------------------------|---|
| Thesis title: | Feasibility Study & Optimization of Utility-Scale Photovoltaic Systems with 1000V-1500V string inverters |
| Author's name: | BSc. Oğuzhan GÜNDÖĞDU |
| Type of thesis : | master |
| Faculty/Institute: | Faculty of Electrical Engineering (FEE) |
| Department: | Department of Economics, Management & Humanities |
| Thesis reviewer: | Jiri Beranovsky, MSc., Ph.D., MBA |
| Reviewer's department: | Department of Economics, Management & Humanities |

II. EVALUATION OF INDIVIDUAL CRITERIA

| | |
|--|--|
| Assignment | ordinarily challenging |
| <i>How demanding was the assigned project?</i> | The topic is moderately demanding, and it is a well-known task that students solved during the semester. However, the student did very helpful technical analysis. |
| Fulfilment of assignment | fulfilled |
| <i>How well does the thesis fulfil the assigned task? Have the primary goals been achieved? Which assigned tasks have been incompletely covered, and which parts of the thesis are overextended? Justify your answer.</i> | The submitted work fulfills the assignment in full. |
| Activity and independence when creating final thesis | C - good. |
| <i>Assess whether the student had a positive approach, whether the time limits were met, whether the conception was regularly consulted and whether the student was well prepared for the consultations. Assess the student's ability to work independently.</i> | The student was relatively active at the beginning of the work, but later he could be more active. |
| Technical level | B - very good. |
| <i>Is the thesis technically sound? How well did the student employ expertise in his/her field of study? Does the student explain clearly what he/she has done?</i> | The professional level is relatively high. The author analyzes photovoltaic technologies in detail and he analyzes the proposed solution very precisely technically. The economic evaluation could be done in more detail. |
| Formal level and language level, scope of thesis | B - very good. |
| <i>Are formalisms and notations used properly? Is the thesis organized in a logical way? Is the thesis sufficiently extensive? Is the thesis well-presented? Is the language clear and understandable? Is the English satisfactory?</i> | The work is relatively extensive, has 111 pages, including appendices. Formally, it is at a high level and is organized logically, and the scope is sufficient. The language is quite understandable. English is very good, although the author is not a native speaker. |
| Selection of sources, citation correctness | A - excellent. |
| <i>Does the thesis make adequate reference to earlier work on the topic? Was the selection of sources adequate? Is the student's original work clearly distinguished from earlier work in the field? Do the bibliographic citations meet the standards?</i> | Working with literature is very exemplary. The cited research is extensive and refers to the topic. The choice of sources is adequate and relevant. The work itself is separated from the cited sources from secondary research. Quotations are made according to standards. |
| Additional commentary and evaluation (optional) | |

Comment on the overall quality of the thesis, its novelty and its impact on the field, its strengths and weaknesses, the utility of the solution that is presented, the theoretical/formal level, the student's skillfulness, etc.

The work very well designs and sufficiently economically evaluates the specific case of investment in photovoltaic system in Chile. It is useful for a particular investor.

III. OVERALL EVALUATION, QUESTIONS FOR THE PRESENTATION AND DEFENSE OF THE THESIS, SUGGESTED GRADE

Summarize your opinion on the thesis and explain your final grading.

The grade that I award for the thesis is **B - very good**.

Date: **14.6.2020**

Signature: