

Master Thesis Brief Description

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| Thesis Title | Design, commissioning and management of a photovoltaic (PV) modules assembly line in Cyprus |
| Programme of Studies | MSc in Engineering Management |
| Course | MEM 590 Master Thesis |
| Area of Study | Facilities Management |
| Student's Name | Panagiotis Nicolaou |
| Students Reg. Number | 1396 |
| Supervisor | Dr.-Ing. Paris A. Fokaides, V. Lecturer, Civil Engineering Department |
| Supervisory Committee | Dr. Marios Fyrrillas, Assoc. Professor, Mechanical Engineering Department Dr. Petros Christou, Ass. Professor, Civil Engineering Department |
| Semester | Spring Semester 2013 |
| Short Description | <p>The scope of this study was to investigate the establishment of a viable PV modules assembly line in Cyprus. In terms of this work aspects related to the design, the commissioning and management of a PV modules assembly line were examined. Particularly the state of the art technologies of PV applications were analysed by means of an extended literature review.</p> <p>Preconditions as well as the basic design parameters of a PV modules assembly line were presented. The optimal assembly line resulted from a linear programming analysis, comparing the most applicable PV modules assembly line solutions. Feasibility scenarios regarding the manufacture and operation of a PV assembly line were also conducted.</p> |