TALLINN UNIVERSITY OF TECHNOLOGY
SCHOOL OF ENGINEERING
Department Power Engineering and Mechatronics

HEAVY COMPONENTS LIFTING

RASKETE KOMPONENTIDE TÕSTMINE

MASTER THESIS

Student: Uzair Ishrat Khan

Student Code: 177308MAHM

Supervisor: Leo Teder, Teaching Assistant

Co- Supervisors: Vjatseslav Koop, Manager

Eduard Tiganik, Engineer

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8 Conclusion

As the goal of the thesis was to give a workable, safe and ergonomic solution and build a prototype. To lift the heavy component. Throughout this product development phase, the author has conceptualized many lifting solutions. Some of which are mentioned in this thesis. The author found our current solution the best one, after comparing several aspects of the solution. This concept was built from the scratch and current analysis shows that this idea is feasible, but the author finds that this solution needs more development time before it enters prototyping phase, which was not possible now because of limited resources and limited time. Some of the processes that can be further developed, is the control logic to make the machine smarter, adding things like predefined locations to save time and or automatic rotation system as these additions will save time and make a solution more ergonomic. Since the author was a team of two people, the author got to experience each step of a product development cycle like logistics and how important part it plays in product development. The importance of clear communication in the team and with the stakeholders. The author also at some stage realizes that productive team should have clearly defined roles and are working towards the same goal. The author got to experience all this because of this project. So, the author would like to thank our supervisors, leadership team and the company X for giving us this opportunity and supporting us. This thesis can be the stepping stone for whoever continues with the project. As it'll save them a lot of research time.