



REPUBLIC OF TUNISIA
Ministry of Higher Education and Scientific Research
University of Carthage
National Institute of Applied Sciences and Technology



Graduation Project

to obtain the

National Engineering Diploma in Applied Sciences and Technology

Major: Industrial Computing and Automation

**Optimal, pattern-based near-field path planning
for mobile robots, under consideration of obstacles
in intralogistics environments.**

Prepared by

Ilef MGHIRBI

Hosted by STILL GmbH



Defended on the 4th of October 2024 in front of a jury composed of:

Prof. Feiza Ghezail

President of the jury

Prof. Sonia Hajri

Reviewer

Mr. Dr. Tino KRUEGER-
BASJMELEH

Supervisor at the Company

Prof. Afef BEN ABDELGHANI

Supervisor at INSAT

University year : 2023 / 2024



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 STILL GMBH Date : Workshop and Trainingszentrum MOORELEETER STR. 27 / 22113 HAMBURG 2024	Date :

University year : 2023 / 2024