MADS4ENGINEERING – MADS4E
PROJECT DESCRIPTION

Project: P6
Semester: Autumn 2026

TITLE	Solar Power Production Forecasting for Decision Support

STUDENT NAME	Dimme Plug	N.	1260133
STUDENT NAME	Johannes Norrgård	N.	1260170
STUDENT NAME	Jin Woohyun	N.	1260281

SHORT DESCRIPTION	
Objective	Design, build and test a solar power production forecasting solution from solar power generation and meteorological data. The purpose, target user segment and the full set of requirements are to be defined by the team based on the client requirements, state of the art, critical thinking, sustainability and ethical analyses. The team will explore different techniques on publicly available annotated datasets.
Default Requirements	– Use open source software and technologies; – Comply with the applicable European legislation: General Data Protection Regulation (GDPR); Artificial Intelligence Act (AI Act); Data Act (Regulation (EU) 2023/2854); Data Governance Act (Regulation (EU) 2022/868); Cyber Resilience Act (Regulation (EU) 2024/2847). – Comply with the International System of Units (check the NIST International Guide for the use of the International System of Units)

RELEVANT DATA
To be created by the team at INESC TEC

RESOURCES
Provided by INESC TEC

ACADEMIC COACHES	Benedita Malheiro (MBM), Manuel Silva (MSS), Pedro Barbosa Guedes (PBG), Veríssimo Santos (VMS)

COMPANY	
ADDRESS	
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