

## Weekly Report – Loads and Dynamics Team

Team Leader: Mohamed Reda Alywa

Week Number: [Week 4, 11 to 17 Aug 2025]

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### 1. Summary of Progress This Week

- Using Professor Manjock's dataset (~600 commercial wind turbines), we studied the Excel sheets, identified turbines with parameters close to Rated Power = 5 MW and Rotor Diameter = 122 m, and extracted the estimated statistical loads.
- Held an internal team meeting to review findings and align on documentation.

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### 2. Milestone/Deadline Status

- Current Phase: Concept Phase
- On Track?: Yes
- Notes: N/A

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### 3. Next Week's Plan

- Meeting with Professor Manjock to review the extracted loads, validate assumptions.

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### 4. Request to Head of Project

- No technical issues reported at the moment.
- No additional software or licenses required at this stage.