

## Industrial Day – Project Submission Form

Please complete this form to provide information about the projects your company will present during Industrial Day. This information will help us organize and communicate available Master's Thesis (TFM) opportunities to students.

<b>Company Name</b>
Eurecat – Technology Centre of Catalonia

<b>Project Title</b>
Design and Validation of a Low-Cost Tensiometer for Industrial and Research Applications

<b>Project Description</b>
<p>This project aims to develop a low-cost tensiometer capable of continuously measuring tension in cables, wires, or lightweight structures. The solution will provide an affordable alternative to high-precision commercial systems, enabling real-time monitoring in environments with limited budgets or pilot-scale projects.</p> <p>The work will involve reviewing the state of the art, defining functional requirements, designing the device concept, and selecting mechanical and electronic components. A functional prototype will be built and integrated with data acquisition capabilities. The expected outcome is a reliable and cost-effective tensiometer suitable for industrial and research applications.</p>

<b>Responsible Person</b>
Miquel Domingo Adrian Mora

<b>Contact email</b>
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**Is there financial support available? (Yes/No)**

Yes

No

<b>Number of available positions</b>
1

Thank you for your collaboration and participation in Industrial Day.