

Battery technologies zagreb

Innovations arise when experts from different areas and organizations come together. This is what is happening now as part of a research cooperation between the BMW Group's Battery Cell Competence Center (BCCC) and the University of Zagreb's Regional Center of Excellence for Robotic Technology (CRTA).

The two partners are jointly developing solutions to improve the production of battery cells using artificial intelligence (AI). Doctoral candidates and students at the University of Zagreb, the oldest and largest university in Croatia, are collecting and structuring existing production data. AI models are created that can identify certain patterns in the data, allowing them to predict how production can be further optimized in terms of performance, quality, and costs.

The University of Zagreb contributes its expertise in the fields of mechanical engineering, electrical engineering and computer science to this project.

"As a university, we offer the BMW Group access to the latest research results and innovative ideas, while our students benefit from the opportunity to apply their theoretical knowledge in practice," says Zdenko Tonkovi?, Dean of the Faculty of Mechanical Engineering and Naval Architecture at the University of Zagreb. "Through this joint project, we inspire students for the BMW Group and the innovative work in our battery cell competence centers," explains Moritz Poremba, Head of Battery Cell Recycling Technology Development at the BMW Group. "Of course, we also hope to attract young talents to our company."

The students benefit from the cooperation through intensive mentoring and the opportunity to expand their professional network in the industry. This increases their attractiveness on the job market and offers them excellent career opportunities. The cooperation between the BMW Group and the University of Zagreb strengthens the innovative power and competitiveness of both partners.

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