Technische Universität München
TUM School of Computation, Information & Technology

1.000+ Projektwoche bringt Studierende & Unternehmen zusammen

Verpassen Sie nicht sich anzumelden

https://1000plus.cit.tum.de/

1.000+ Projektwoche 2026

Die TUM sucht Unternehmen für die 1.000+ Projektwoche

Das Offboarding Format Projektwoche 1.000+ der TUM findet vom 20.-24.04.2026 zum dritten Mal statt. Ziel der TUM-weiten Projektwoche ist es einerseits, Master Studierenden Industriekultur – vor allem der Hidden Champions näherzubringen - und andererseits Firmen einen Zugang zu TUM Talenten und dessen Netzwerk zu eröffnen. Während der Projektwoche verbringen Studierende eine Woche im Unternehmen und lösen eine vom Unternehmen definierte, reale Aufgabenstellung durch z.B. Rollenspiele und Interviews, die zum Ende der Projektwoche der Firma präsentiert wird. Zur Abschluss Präsentation kann die Firma ihre eigene Lösung dem Team vorstellen und in der Diskussion miteinander lernen.

1.000+ ist keine Forschungsprojektwoche. Unsere TUM Talente bekommen die Möglichkeit die Hidden Champions kennenzulernen. Gleichzeitig eröffnen wir Firmen mit kleinem HR Budget den Zugang zu unseren Berufseinsteigern, die sie in einer Woche wesentlich besser kennenlernen können als in einer Recruiting Situation. Beide können profitieren. „Das Challenge-Based Learning in interdisziplinären Teams vor Ort, dient damit als berufsvorbereitende Maßnahme wie auch als Marketingtool für Firmen.“ beschreibt Prof. Oliver Hayden, der Initiator des Projekts.

Das Match-Making der Teams basiert auf den Präferenzen der beteiligten Unternehmen. „1.000+ hat uns mit jungen Studierenden zusammengebracht, die niemals den Weg zu uns gefunden hätten und ich glaube, dies schließt eine Lücke im Rekrutierungs-Prozess“, berichtet 1.000+ Teilnehmer Sebastian Wegner, CEO von Sciospec Instruments.

1.000+ Testimonials

Project Week at Steinecker GmbH

Fatemeh – Master Student

at TUM Campus Straubing for Biotechnology and Sustainability

I would like to express my sincere gratitude for the opportunity to take part in the 1.000+ project week at Steinecker. As an international student, it was a truly valuable and enriching experience to visit a German company and gain insight into its professional environment. From the very beginning, the warm and welcoming atmosphere created by Dr. Schneid, Jonas, and the entire team made me feel included and motivated. Their friendly and supportive approach had a great impact on my confidence and engagement throughout the week. Among all the programs I have participated in at TUM, this project week stands out as the most rewarding. I had the pleasure of working with fantastic teammates, tackling real-life challenges, and applying our academic knowledge in a practical setting. It was not only a week of learning, but also a week of inspiration and personal growth.

Dr. Ralph Schneid, Business Development from Steinecker GmbH

Take an ongoing project, preferably one with a few open questions, add a few young, dynamic students, take a step back and open yourself up to new ideas and "et voila": That is what 1.000+ is all about. The project week flew by and was filled with interesting conversations, discussions, and brainstorming sessions. It's reassuring to see such a motivated and dedicated generation waiting in the wings, and it was highly instructive to learn about the areas the Technical University of Munich is currently working on. 1.000+ is the perfect opportunity to gain a fresh perspective on existing projects, especially when your own perspective seems to have become entrenched. But even beyond the scope of the task, the project was a benefit, allowing you to get to know potential new employees far better than in a job interview. The most difficult step in professional life is the one from your studies into the real world. 1.000+ makes this step easier, for both sides.

Project Week at Münzing Chemie GmbH

Natalie Schürmann - Master Student at TUM School of Natural Sciences

This program was an incredible opportunity to gain exclusive insight into a chemical company - without disrupting your busy University schedule or committing to a six-month internship. It fit perfectly into my routine and offered so much more than I expected. I joined a dynamic, interdisciplinary team to tackle a real-world challenge provided by MÜNZING, a company specializing in chemical additives. Working with students from a wide range of academic and cultural backgrounds was not only enriching—it genuinely broadened my perspective. I didn't only learn technical facts about the chemical industry, but I also developed essential soft skills—like working effectively in a team, communicating clearly, and leading productive discussions. I was genuinely surprised by how much we achieved together in just one week! I came out of the experience with greater confidence, fresh perspectives for my ongoing studies, and valuable new connections.

Jörg Wollschläger – Innovation Management at Münzing Chemie GmbH

The 1000+ project was a fantastic experience for us. It was great to see how the students perfectly combined their different backgrounds in classical Chemistry, Chemical Biotechnology and Sustainable Management & Technology with business acumen to come up with a well-rounded innovation approach. We were impressed by the student's work ethic and the results they produced.
The project provided valuable discussions and ideas for future development, helped identify potential future skilled specialists, and offered fresh perspectives on innovation within our company. This successful collaboration clearly demonstrates the value of bridging the gap between academia and industry.

Weitere Stimmen zu 1.000+

https://youtu.be/xu0eLEa-WKQs

Beispiele zur Aufgabenstellung

1	**Develop a testing concept for our Battery Management System (BMS) that would allow us to continuously test the product features (hardware and software) in a CI (Continuous Integration) / CT (Continuous Testing) approach without the need to use our customers' battery or vehicle environments**
2	Market Screening - Scouting What should be considered when searching for new suppliers Which criteria, opportunities, and risks need to be assessed How should I approach this task in the current climate – with or without AI
3	In high production inkjet printing for graphic arts, it is crucial to control the complex physical process to ensure quality and maintain uptime. This requires that all critical components are always operated within their working window. Predictive Maintenance (PdM) offers a proactive approach by leveraging machine and process data to detect early signs of deviations from the working window and maximize uptime. The goal is to develop a PdM solution that can accurately predict deviations from the working window using limited available real machine and process data, such as temperature and other control signals.
4	Potential real business problem: The bank's market research plays an important role when it comes to credit processes and strategic portfolio allocations. Based on market data and models, our research-team analyzes market developments and forecasts future trends for key markets. As of now, the bank's research relies on data and forecasts from external providers. Implications for the bank's portfolio, i.e., specific subregions, submarkets, and properties, are then derived by the research-team. In the future, we would like to optimize this last step (derivation of bank's portfolio implications) through state-of-the-art (Big Data, AI etc.) data-driven models.
5	The first task will be to design a potential test campaign to test the accuracy of Ultra-Sonic sensors on a moving vehicle without a known reference frame.The second task will be to attempt data interpretation of the results of the test campaign that we have designed and conducted.
6	Development of an awareness campaign to establish an information security culture for an international institution.

Arbeitsergebnis

Technische Universität München

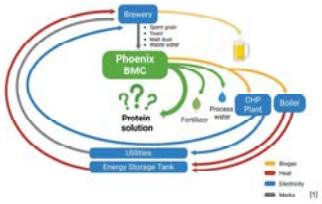
Exploring the possibilities of creating biopolymers from brewing residues and their industrial applications

Steinecker GmbH: Innovative and Sustainable Brewing Technology

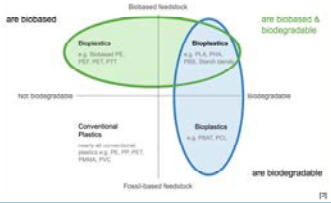
Adolfo Luna; Fatemeh Koorang Beheshti; Ferdinand Hutschenreuter; Valerie Koltermann; Valentina Hegen

Problem Statement

Brewing residues are nutrient rich **byproducts** that are perfectly suited for **circular economies** while applications exist in the energy sector, scalable applications for **proteins** in the residues are missing:

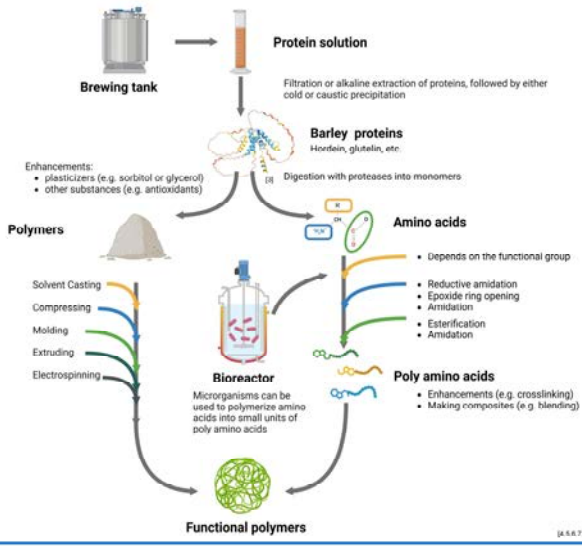


In addition to brewing residues, the use of **plastics**, which are made from valuable resources and produce a lot of waste, is a problem that still needs to be solved in order to achieve a circular economy:

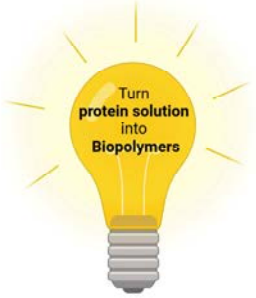


The Process

To produce bioplastics out of protein from brewer´s spent grain you can:

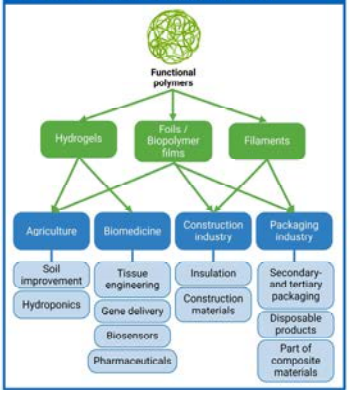


The Idea



Our Task: How can biopolymers derived from brewer's spent grain protein solution be effectively produced and implemented in industrial markets?

Applications in industry



Challenges & Outlook

- Physical Limitations of Protein Films
- Question of cost-benefit
- Scalability and widespread use
- Suitability of barley gluten for production of biopolymer films needs to be further explored
- Structural changes of barley protein during solving processes?

- **BUT:**
  - Transparency of bioplastics has great potential
  - Potential applications for mother company Krones
  - Proactive approach to the circular economy by valorizing side streams

STEINECKER

WINNER
German Sustainability Award Products 2025

Abbreviations:
CHP: Combined Heat & Power
BMC: Biomass Conversion

[1] https://www.steinecker.com/media/downloads/Phoenix_BMC_de.pdf
[2] https://www.european-bioplastics.org/bioplastics/materials/
[3] https://www.rcsb.org/structure/AF_AFP06470F1
[4] https://doi.org/10.1016/j.ijbiomac.2021.08.036
[5] https://doi.org/10.1016/j.tifs.2023.06.002
[6] https://doi.org/10.1094/CCHEM-00-10-0097
[7] https://doi.org/10.1021/jf203157a
[8] https://doi.org/10.1111/1750-3841.16454
[9] https://doi.org/10.1016/j.polymertesting.2023.108097
[10] https://doi.org/10.1002/macp.202300207
[11] https://doi.org/10.3389/fmicb.2015.0083
Images created by biorender

1.000+ Projektwoche 2026

Profitieren auch Sie von dem neuen Projekt der TUM und nutzen Sie 1.000+ um Nachwuchstalente zu finden und für Ihr Unternehmen zu begeistern.

Wann: 20. – 24. April 2026
Wo: in Ihrem Unternehmen vor Ort
Wie:
- 👉 TUM Talente in 5er Teams
- 👉 1 Woche Projektarbeit im Unternehmen
- 👉 1 reale Aufgabenstellung
- ✔ intensives Kennenlernen - fachlich & persönlich

Anmeldung bis November 2025 über: https://1000plus.cit.tum.de/

Falls Sie interessiert sind und weitere Fragen haben, können Sie sich gerne an uns wenden.

Technische Universität München
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