

TWB expands its industrial biotechnology solutions by partnering with Processium and Syngulon



TWB, an expert in the management of R&D projects in industrial biotechnologies, sustainable and innovative solutions, expands its range of services by joining forces with Processium, a recognized expert in the design, development and optimization of industrial processes, and Syngulon, a startup in synthetic biology applied to industry. With these two new integrated offers, TWB optimizes the support of projects led by hosted startups and those led in partnership with actors of the industry. The technical and economic studies carried out by Processium allow to validate the viability of a project each step of the way. From the R&D phase to the production stage, Syngulon's expertise allows to increase the efficiency of the microorganisms and ensure their compatibility with the industrial environment.

« After partnering with Altar and iMEAN in 2020, TWB continues to diversify its service offering with Processium and Syngulon. Their complementary expertise will accelerate the development of sustainable and innovative solutions and facilitate the development of bioprocesses, from the research stage to industrialization » **said Olivier Rolland, Executive Director of TWB.**

Ensure the technical and industrial viability of a project before its development

Through its partnership with Processium, TWB offers technical and economic studies to verify the viability of a project before its development. These studies aim to establish a purification process for a target molecule resulting from bioproduction and to estimate the production costs of a complete process. They allow to detect the conditions of technical and economic viability on an industrial scale, to identify the parameters having the most impact on the production costs and to help in the decision making on the roadmap to follow for the development of the project. By intervening from the very beginning of a project, Processium allows to strategically articulate the R&D actions and to optimize the development time and costs.

« TWB has extensive expertise in fermentation and genetic engineering. Our expertise in process engineering is complementary and covers other aspects of a project: production costs, waste treatment, environmental impact, etc. Our long-term vision and the technical and economic evaluation of bioprocesses allow us to identify very early on the conditions of viability of a project on an industrial scale », says **Pascal Rousseaux, CEO of Processium**.

Optimize the efficiency of microorganisms used in industrial biotechnology

Syngulon is a Belgian startup with twelve employees based in Brussels, including nine PhDs. It develops original genetic technologies to increase the efficiency of microorganisms used in industrial biotechnology. These technologies are based on synthetic biology, which revisits microbial genomes to make them more in line with industrial demands in terms of efficiency and environmental compatibility. Having joined the TWB consortium in 2017, Syngulon has already had the opportunity to work with some of its members. This partnership with TWB is a continuation and a concretization of their collaboration.

« This partnership allows us to participate in new projects and to be part of a dynamic ecosystem that brings together many players in the sector: startups, industrialists, researchers, financiers, etc. We bring complementary expertise to TWB's teams and partners and our synergy is our strength. We listen to the expectations of industrialists and develop a technology that meets their growing need to improve and maximize the yields of biocatalysis. », says **Guy Hélin, CEO of Syngulon**.

The ambition of TWB is to continue to deploy new integrated offers in collaboration with innovative companies and reaffirms its position as the preferred partner for R&D projects in the field of biotechnology in France and in Europe.

About TWB

As an expert in research and development (R&D) projects, TWB* supports industry in the development of innovative and sustainable solutions for the benefit of the planet and mankind. TWB sets up and conducts R&D projects in the field of industrial biotechnologies in collaboration with public laboratories and industrialists, supports the development of start-ups by offering them accommodation in its premises in a state-of-the-art scientific and technological environment and encourages the emergence of breakthrough innovations. By bringing together researchers, entrepreneurs, funders, institutions and industry, TWB integrates and leverages all the skills and expertise and creates synergies while simplifying the contractual relationship. This unique model accelerates the innovation process necessary for the creation of an eco-responsible industry. Since its launch in 2012 and with a consortium of 49 private and public members as of January 1, 2022 (industrials, start-ups, investors, research organizations, local authorities, etc.), TWB has contributed to the realization of nearly 260 collaborative R&D projects and to the growth of numerous start-ups that have raised a total of more than €250M.

* TWB is a Joint Service Unit, managed by INRAE, under the triple supervision of INRAE/INSA/CNRS.

More information by clicking [here](#). Follow TWB's latest news on [LinkedIn](#) & [Twitter](#)

About Processium

Processium is a recognized expert in the design, development and optimization of industrial processes for players in biosourced chemistry, biotechnologies and sustainable chemistry. With its skills in process engineering, its laboratory equipment and its environmental values, Processium offers the most efficient and sustainable production solutions. Based in Lyon and Sao Paulo, Processium employs 50 people and had a turnover of five million euros in 2021.

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About Syngulon

Syngulon is a synthetic biology startup developing original technologies using bacteriocins. The team of scientists works in different academic partner laboratories including UCLouvain, ULB, ULiège in Belgium and UCL in the UK. R&D programs are supported by the Walloon Region of Belgium. Syngulon owns a collection (PARAGEN) of natural and synthetic bacteriocins. Syngulon has 8 patent application families related to bacteriocins including issued patents in EU, USA, India, Brasil and China. Syngulon Contact - Guy Hélin - ghelin@syngulon.com