

# Research, scale up and plant engineering offered in the field of green chemistry and biotechnology

## Summary

Profile type	Company's country	POD reference
<b>Technology offer</b>	<b>Austria</b>	<b>TOAT20220711006</b>
Profile status	Type of partnership	Targeted countries
<b>PUBLISHED</b>	<b>Commercial agreement with technical assistance</b>	<b>• World</b>
Contact Person	Term of validity	Last update
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## General Information

### Short summary

A well-established Austrian company offers its expertise in the field of strategic research, innovation, scale-up, engineering and turnkey plant construction for wet chemical processes. The focus lies on green and circular solutions, to improve the value chain of waste and fine chemicals. The goal is to innovate processes and to recycle and upcycle unused waste streams. Partners are sought for licencing, technical cooperation agreement or commercial agreement.

### Full description

The Austrian company, specialised in green chemical solutions, offers its experience and knowledge to customers and partners. Specifically, the interdisciplinary team is eager to work with companies, start-ups and research organisations in the field of chemistry and biotechnology.

In recent projects the company has worked on numerous topics including: distillation and upcycling of free fatty acids / glycerides in different variants, production of algae for the food industry, chemical pyrolysis of plastic waste, processing of biomass. The common thread in all projects was up/down/re-cycling of feedstocks which lead to a generation of value out of waste streams, new product families, or savings due to increased process efficiency.

The company's approach is based on an interdisciplinary team of experts and high-end engineering expertise supported by state-of-the-art testing and laboratory facilities. This unique combination forms the missing industrial link between an idea and its successful economic execution. The company offers decades of international

engineering experience in optimising sustainable material usage, minimising waste streams, as well as chemical and biochemical synthesis.

The services offered could be attractive for:

- achieving superior process performance for innovative technologies
- support in all stages of scale up (testing, pilot and demo plant engineering, etc.)
- generating first product samples for a fast track to market
- turn-key process and plant engineering

The company supports as a "sparring partner" for first of its kind technologies with 25 years of technological leadership in circular economy. With an in-house technical center and over 300 patents, the company is a full range partner for green field projects regardless of the development stage of the project.

The Austrian company has significant expertise in international plant construction and presents numerous success stories from idea to industrial implementation. The team cooperates with a global network of suppliers and specialists and with adept decision management backed by unparalleled technical experience. For a project in the field of chemistry and biomass processing, as well as circular economy the company offers an adaptable and flexible support in the areas of:

- o optimisation of process performance
- o fast track to market for innovative technologies
- o upcycling of low value waste chains and secondary feedstocks
- o chemical and bio-chemical synthesis
- o competences and resources in engineering and plant construction

The Austrian company is primarily interested in commercial agreements in which projects with scale up potential need technical assistance and economic guidance. Moreover technical cooperation agreements can be entered into, in which support and expertise can be shared. It is also interested in licence agreements with partners who have interesting solutions in the green tech field.

#### Advantages and innovations

- flexible partner offering support according to variable needs
- cooperation offered in any and all stages of product development and engineering
- specialist in upscaling waste stream processes
- conducting technical due diligence for innovative projects
- profound knowledge in evaluating value in secondary feedstock
- access to an extensive network of technical specialists in interdisciplinary teams
- provision of contract research from small to large scale manufacture
- missing link between the idea, economic application and industrial realisation
- one-stop-shop with more than 70 worldwide reference projects of international plant construction

#### Stage of development

**Already on the market**

#### IPR Status

**IPR granted**

#### Sustainable Development goals

**• Goal 12: Responsible Consumption and Production**

## Partner Sought

#### Expected role of the partner

The Austrian company is looking for customers and partners. Customers are problem owners, who need specialist support to scale up and speed up their ideas and developments. Partners are technology owners, research centres, start-ups, scale-ups and universities, who are problem solvers in the field of green tech solutions. Commercial agreements with technical assistance are sought in these cases.

Partners should be active in sectors where the Austrian company has expertise, namely chemistry, biotechnology and biomass processing. The project phase/TRL (technology readiness level) is not important as the Austrian company can offer support at various stages from ideas and prototypes to lab testing and turnkey solutions.

#### Type of partnership

**Commercial agreement with technical assistance**

#### Type and size of the partner

- **Other**
- **SME <=10**
- **University**
- **SME 50 - 249**
- **R&D Institution**
- **SME 11-49**

## Dissemination

#### Technology keywords

- **03002 - Process Plant Engineering**
- **06006013 - Downstream Processing**
- **10002013 - Clean Production / Green Technologies**
- **10003007 - Waste to Energy /Resource**
- **04005012 - Waste to energy - other**

#### Targeted countries

- **World**

#### Market keywords

- **006005007 - Other alternative energy (including nuclear energy)**
- **09003005 - Consulting services**
- **09003001 - Engineering services**
- **08004002 - Chemical and solid material recycling**
- **08001023 - Other chemicals and materials (not elsewhere classified)**

#### Sector groups involved

- **Intelligent Energy**