

## Polytechnik: 60 years of experience as a basis for stability and future growth in biomass technology

**Weissenbach, 27 May 2025** – The Polytechnik Group is celebrating its 60th anniversary, underscoring its position as an established and reliable partner for sustainable energy solutions from biomass and CO<sub>2</sub>-neutral and CO<sub>2</sub>-negative technologies. The anniversary not only marks a long tradition, but also lays the foundation for further growth and innovation in a dynamically developing market.

### Core competencies: combustion, gasification and carbonisation of biomass

Polytechnik offers technologically advanced solutions in three key areas. Within its PolyCombustion division, the company develops and builds combustion systems for a wide range of biomass fuels that enable efficient energy generation. These plants, with a capacity range from 1 MW to 40 MWth, are characterised by minimal emissions, fully automatic combustion control and maximum efficiency. Polytechnik also has PolyCarbonisation technology, a process for producing biocarbon that can be used in a wide range of applications. The plants achieve an annual production capacity of up to 25,000 tonnes per production line. In addition, torrefaction plants with an annual production capacity of up to 60,000 tonnes per production line are available, which convert solid biomass into a storable and transportable torrefied material. The third of the three core technologies is PolyGasification, an advanced gasification technology for the flexible conversion of biomass into energy. PolyHeld provides low-emission and efficient heat supply in the low output range from 400 kW to 3 MW. The combination of a counterflow gasifier with targeted staged combustion enables efficiencies of over 92% – without additional flue gas cleaning. For higher outputs, the Kombi Power System is available, which enables thermal outputs from 990 kW to 20 MW and electrical outputs from 250 kW to 5 MW.

The recently completed Taaleri project in Finland, currently the largest torrefaction plant in Europe, for which Polytechnik supplied key components, is an example of the company's expertise. The plant will produce up to 60,000 tonnes of torrefied pellet per year, which will serve as a sustainable substitute for fossil fuels.

### Expanded management and strategic focus

With the expansion of its management team to three managing directors, Polytechnik is underlining its focus on strategic development and organisational stability.

Lukas Schirnhöfer emphasises: 'We have achieved many milestones together with our customers and are now looking to the future with optimism. One of our most recent successes is the collaboration with EVN, Austria's largest energy supplier. By awarding us these contracts, EVN is demonstrating its confidence in us and underlining our expertise in the field of sustainable energy.'



**Polytechnik**  
Luft- u. Feuerungstechnik GmbH  
Hainfelderstrasse 69  
A-2564 Weissenbach a.d. Triesting

**Telephone** +43(0)2672/890-0  
**E-mail** office@polytechnik.at  
**Web** polytechnik.com

**Managing directors**  
Lukas Schirnhöfer, Heinz Grossmann

**Bank details**  
Sparkasse Pottenstein N.Ö.

**IBAN** AT34 2024 5000 0035 3805  
**BIC** SPPOAT21XXX

**Commercial register** LG Wr. Neustadt  
**Commercial reg. no.** FN 194342y  
**VAT No. (AT)** ATU49304006  
**HFU Nr.** 600106203  
**EORI-Nr.** ATEOS1000013960  
**DVR-Nr.** 0904791

The delivered goods remain our property until full payment.

Heinz Grossmann emphasises: 'Polytechnik is positioning itself as a global technology company in the field of sustainable energy. Strategic development is focusing on CO<sub>2</sub>-neutral or CO<sub>2</sub>-negative solutions, in particular carbon sequestration using biocarbon as part of our PolyCarbonisation technology.'

David Schacherleitner focuses on internal processes: 'We value a corporate culture that promotes personal responsibility and team spirit. In the area of process optimisation, we expect significant progress through digitalisation to ensure greater efficiency and future viability.'

The Polytechnik Group currently employs around 240 people. With an export share of 95%, the company operates globally and maintains more than 15 engineering, sales and service branches throughout Europe as well as bases in Asia and Oceania. This international orientation and comprehensive network ensure customer-oriented support and the successful implementation of projects worldwide.

\* \* \*