

From practical experience...
...to practical solutions!



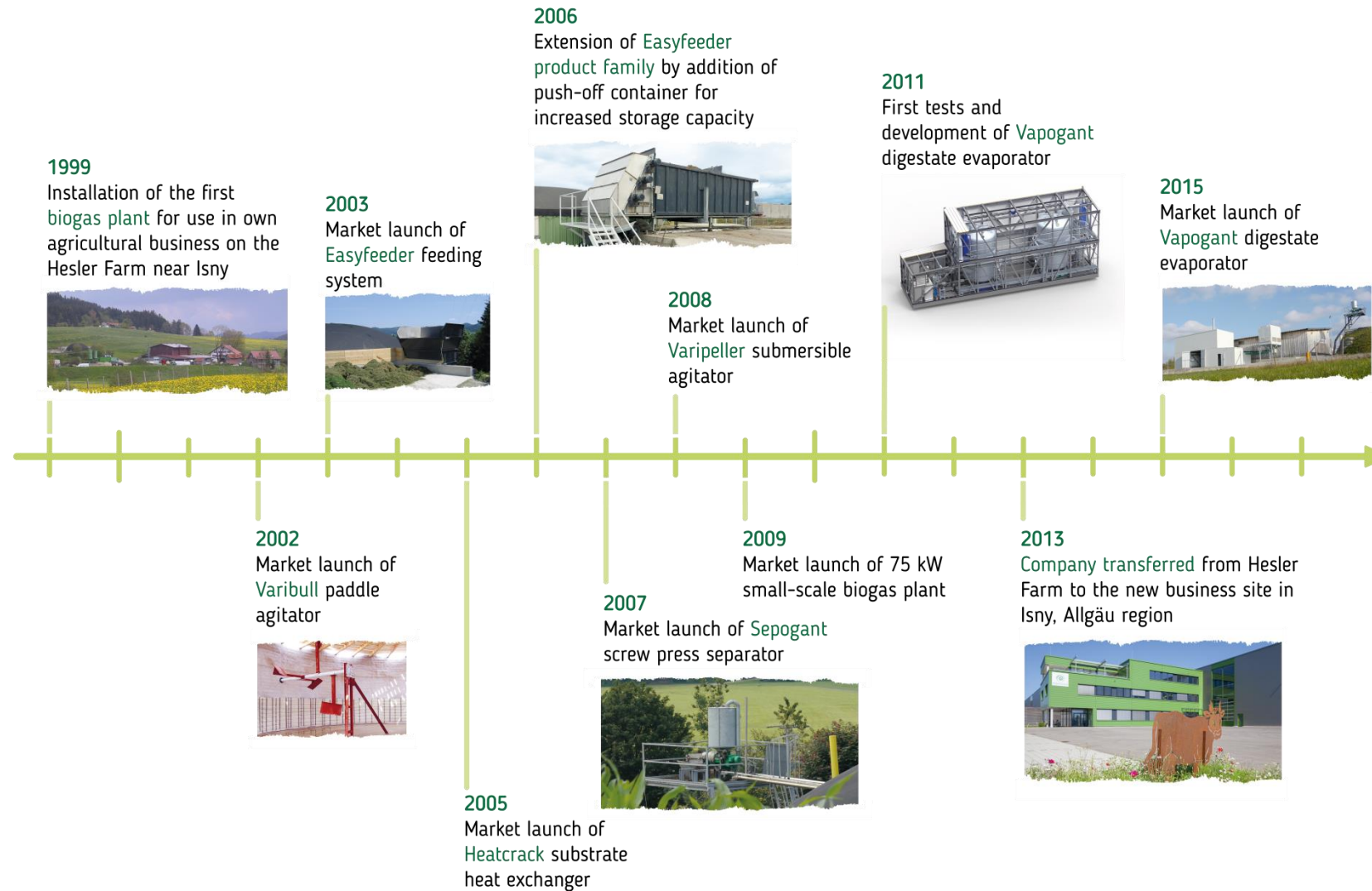
Biogastechnik Süd GmbH in Isny



- ▶ Business owners Clemens and Gregor Maier work also as plant operators and farmers
- ▶ 60 employees
- ▶ All products are developed, designed and manufactured by the company itself
- ▶ Successful on the market for 6 years with the **VAPOGANT**
- ▶ Innovative products from more than 20 years of experience
- ▶ **From practice to practical solutions**



Company History



VARIBULL Paddle Agitator

- ▶ Developed for anaerobic digestion of renewable raw materials, grass silage, farmyard manure and other substrates in digesters and digestate tanks
- ▶ Economical energy consumption thanks to large-surface stirring paddles
- ▶ Reliable operation also with viscous and long-fibred substrates
- ▶ Maintenance-free wall seal; maintenance-free, durable plain bearing inside the pit
- ▶ No height adjustment inside digester, no problem with varying fill levels

Simply install, switch on and stir - “That’s all!”



The EASYFEEDER Family

- ▶ Technology proven in practice for many years
- ▶ Minimising energy consumption and wear
- ▶ Minimal running times for lowest possible wear and reduced power consumption
- ▶ Also designed for grass silage and farmyard manure



SEPOGANT – modular, stationary & compact

- ▶ Press screw (with cemented-carbide tips) and cemented-carbide counter-cutting edge
- ▶ Ideally suited for farmyard manure and fibrous materials up to plastics in the waste disposal area
- ▶ Unrivalled long service life and durability of press screw and screen
- ▶ Durable mechanical seal (with permanent oil lubrication) ensuring long maintenance intervals
- ▶ Continuously variable pneumatic counter-pressure control, adaptable to the substrate (15 % to 32 %)



HEATCRACK Substrate Heater

- ▶ Thermal substrate decomposition increasing biogas yield by up to 5 % with reduced retention time
- ▶ Use as external heating for digester possible
- ▶ Suitable for substrate heat recovery

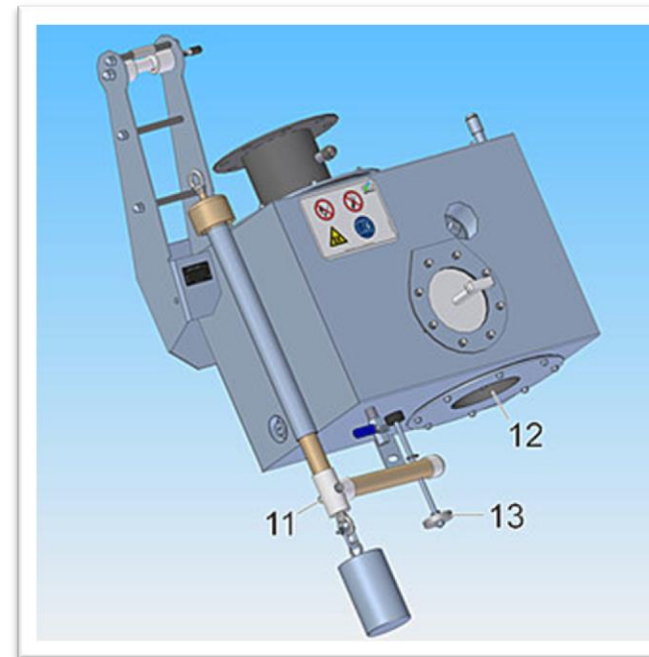


BIOSECURE

Overpressure/Underpressure Protection

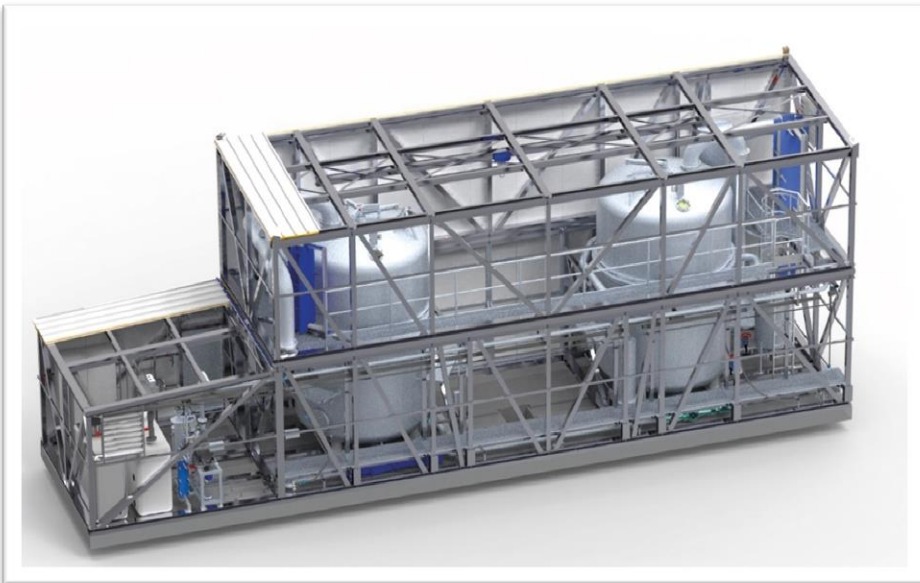
Benefits

- ▶ Optionally for biogas storage tanks with and without belt control
- ▶ Maintenance-free and frost-proof (insulation jacket)
- ▶ Water serves as sealing liquid

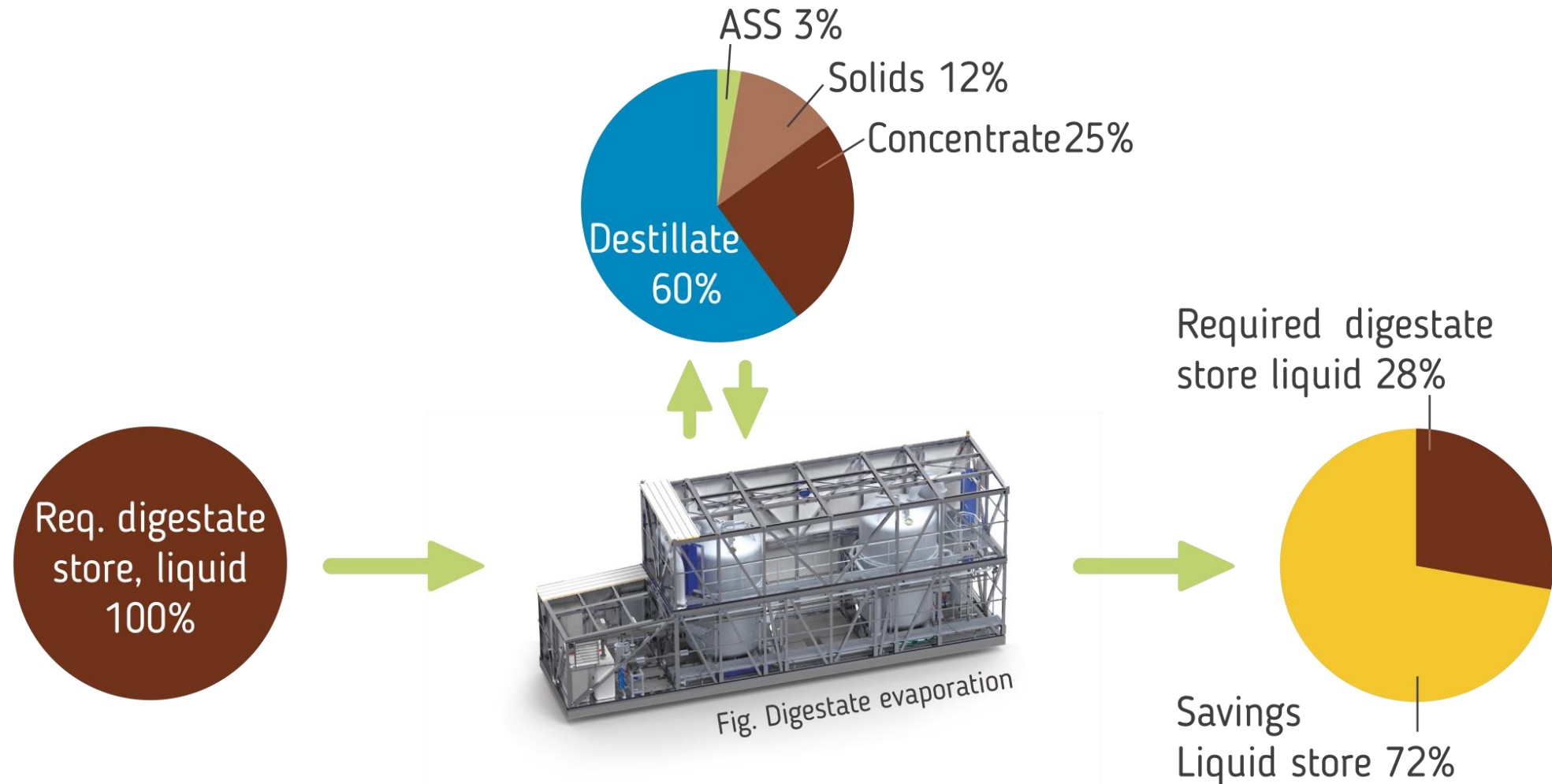


VAPOGANT Digestate Evaporator

- ▶ Volume reduction by up to 70 %
- ▶ Production of mineral fertiliser (ASS)
- ▶ Efficient and reasonable heat use throughout the year



Mass Balance of VAPOGANT



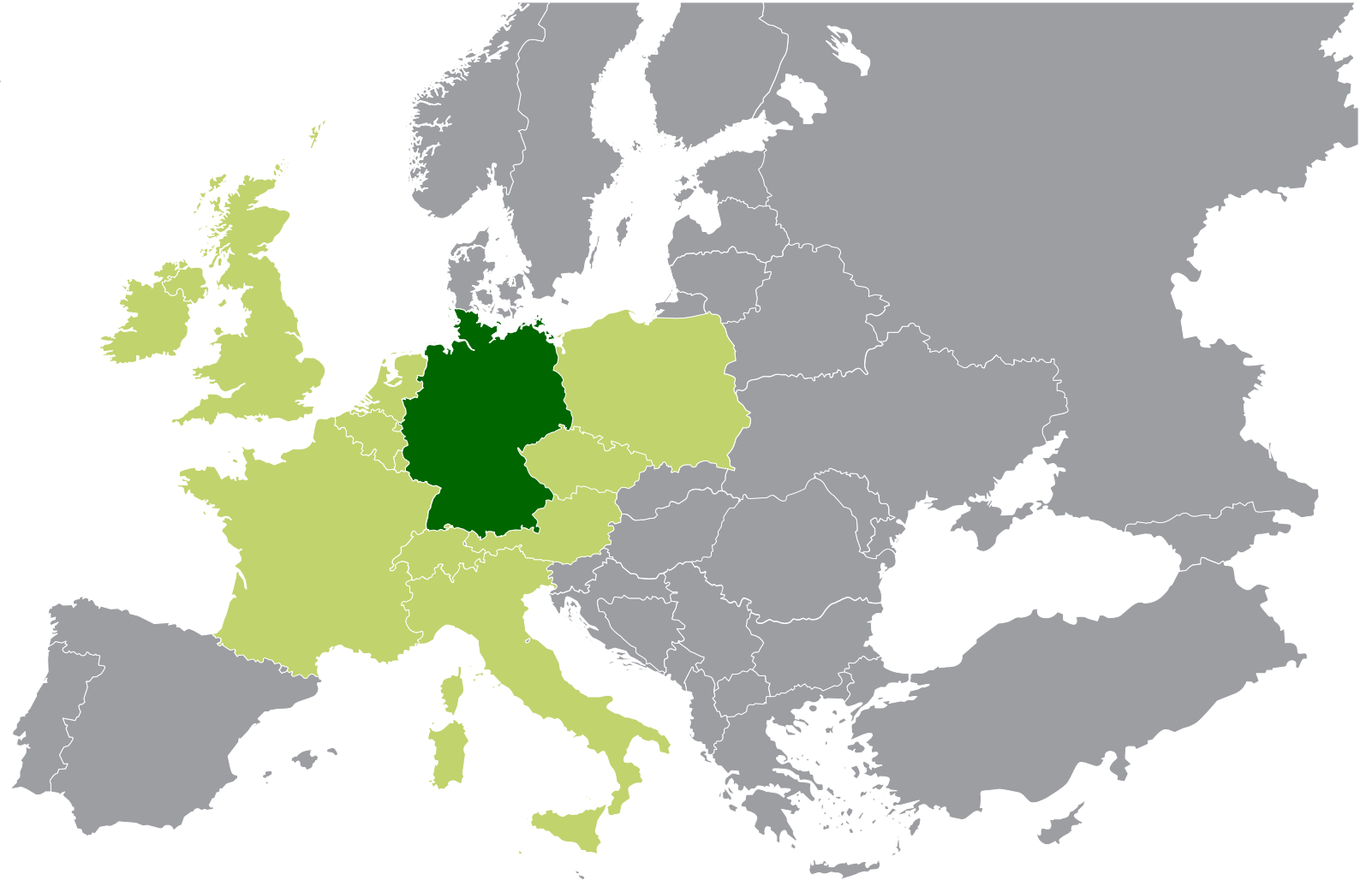
SERVICE

- ▶ Our customer service is there to help and advise you as quickly as possible.
- ▶ Extended customer service with service partners in Germany and abroad
- ▶ Well-stocked spare parts warehouse with high availability
- ▶ Continuous training and professional exchange for service partners and plant operators



Biogastechnik in Euope

- ▶ Germany is our biggest market
- ▶ Also strong
 - ▶ France
 - ▶ Italy
 - ▶ Czech Republic
 - ▶ Irland / UK



Thank you for your attention!

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