

econ industries @ IFAT**Zero industrial waste - Profitable. Reliable. Green energy powered.**

Starnberg, May 5th, 2022. During the IFAT 2022, hall A4, booth 251, econ will showcase innovative solutions that maximize **resource recovery**, **efficiency** and **economical gains** through **CO₂-free systems**, enabling waste generators and disposal firms to be equipped not only for today but also for tomorrow.

Unlike the majority of the industry, econ industries focuses 100% on recycling plant engineering for hazardous industrial waste and contaminated soils, as an alternative to incineration and landfilling. For econ, circular economy and climate protection go hand-in-hand, and our motto this year is:

Zero industrial waste - Profitable. Reliable. Green energy powered.

Climate neutrality, often referred to as NET ZERO, and the move away from fossil fuels can only be achieved by the chemical, metal and oil & gas industries if, in addition to a **renewable energy supply**, they also implement a **closed-loop system** for their production waste and contaminated sites.

How does econ industries manage to be the only plant manufacturer to offer systems that **recycle** hazardous waste **CO₂ neutral**? econ's VacuDry® technology separates the waste into its components via physical separation. This so-called vacuum distillation operates at comparatively low temperatures between 100 and 400 °C. Low vacuum supports the evaporation of contaminants, leaving cleaned solids. Clean, mineral waste becomes **building material**. Clean ferrous and non-ferrous fractions become **raw material for smelting**. What happens to the evaporated contaminants? **Oil is recycled** in refineries or used as secondary fuel. Toxic components such as **mercury** are **disposed** of properly. Often, a ton of hazardous waste contains only a few grams of contaminants. Therefore, to burn or landfill everything, or to 'dispose' of it - simply doesn't make sense!

When comparing CO₂ emissions of econ's vacuum distillation with those of hazardous waste incineration, the incineration is always higher by about a factor of 10. How does econ achieve **zero emissions** or "NET ZERO"? econ plants do not rely on fossil fuels. Waste heat, electricity, hydrogen or other renewable energy can also be used for heating. For maximum flexibility during a transition phase, econ offers **hybrid systems** that can be heated by both fossil and renewable sources.

What makes econ's system profitable?

1. **Profitability** through flexibility: econ's systems can run on any energy available on site: wind or solar energy, biogas, hydrogen and waste heat. In addition, it is proven daily - in VacuDry® plants located around the world - that hundreds of different wastes can be processed using econ's systems.
2. In the future, only **CO₂-free systems** will be able to operate cost-effectively. The damage caused by CO₂ emissions, will soon increase the cost per ton of incinerating hazardous waste considerably. Thus, the industry will face additional costs in the next few years due to the incineration of hazardous waste alone. econ's systems do not produce CO₂; therefore, they cannot cause CO₂ costs.
3. **Reliability** and longevity are extremely important to econ. We have always been manufacturing our systems in neighboring workshops with short supply chains. For our customers we are not just a supplier, we are a **long-term partner** who accompanies them throughout the entire life of the plant, which is built to last for more than 15 years.

If you want to learn more about the present and future of CO₂ free hazardous waste recycling, don't hesitate to make an appointment with us. We look forward to meeting you.

VISIT US DURING IFAT @:

Hall A4, Booth 251

For more information & appointments contact sales@econindustries.com

About econ industries – www.econindustries.com:

econ industries GmbH develops and distributes efficient and flexible solutions for the recycling of hazardous industrial waste as well as contaminated soils worldwide. With the proven VacuDry® technology, econ industries offers the most environmentally friendly and flexible state-of-the-art solutions. By means of vacuum distillation, pollutants are separated in a closed process and valuable resources are recycled from hazardous industrial waste and contaminated soils. This profitable and environmentally friendly resource recovery offers a safe and efficient alternative to the conventional methods of incineration or landfilling. The business headquarters of econ industries is in Starnberg near Munich, where administration, development and project management are combined. More than 90 percent of deliveries are made abroad, 50 percent of them outside Europe. As an owner-managed, independent company, econ industries guarantees individual customer support. In 2018, econ industries was awarded the Export Prize of the Bavarian Ministry of Economic Affairs in the services category.