

## **INTEC - your partner for combustion, process heat and power generation**

INTEC Engineering GmbH is a family owned, globally operating company with its headquarters and workshop in Bruchsal, in the South of Germany. A dense network of INTEC offices, representations and partners worldwide allows a dedicated support to customers all over the world.

INTEC designs, manufactures, and supplies customized plants or individual components for industrial process heating and renewable power generation for a wide range of applications to many different industries and also provides installation, commissioning, aftersales and maintenance services.

### **INTEC's product range includes various firing systems and all common heat transfer media:**

- Thermal oil heaters
- Molten salt heaters
- Hot gas generators
- Thermal waste gas treatment systems
- High and low pressure steam boilers (water tube design)
- Hot water systems
- Step grate firing systems
- Fluidized bed firing systems
- Thermal energy and power plants
- ORC power generation
- Thermal sludge drying and utilization



INTEC represents state-of-the-art technology made in Germany. Core components like coils, waste heat boilers, secondary control loops etc. are manufactured and assembled in-house which guarantees fast and flexible solutions to customer needs.

Over nearly three decades, INTEC Engineering GmbH has made a name for itself in industrial heat transfer. Newly developed business areas in the field of renewable energies open up a broader basis for consistent further development and future success. Today, INTEC plants in more than 80 countries around the globe generate process heat with high efficiency or supply electricity by using renewable fuels. We invest our know-how equally in a sustainable and careful use of the resources of our environment. With our technology, we tap renewable energy sources and recover energy and process heat from different kinds of wastes to reduce the CO<sub>2</sub> footprint and to contribute to saving the environment and to slowing down climate change.

### **New WtE-Project in Austria:**

After very successful projects in Japan where we built biomass-fired power plants with a total electrical output of 35 MW and a plant for incinerating chicken manure in Turkey with an electrical output of 13 MW, the company Bioenergiezentrum Kärnten has commissioned

INTEC to build a new biomass and RDF power plant. This plant will produce district heating and electricity. In order to implement this project, a new fluidized bed boiler will completely replace the outdated existing boilers. The plant is designed as a "waste-to-energy" system and can burn 100% RDF as well as biomass. It produces superheated steam at 480°C and 66 bar and has a thermal firing capacity of 30 MWth. The INTEC fluidized bed combustion concept with internal circulation and in-bed heat extraction used in the plant is modern and innovative. It enables efficient and clean combustion of both biomass and RDF. The project is scheduled to be completed by the end of 2024 and will then contribute to the supply of district heating to almost 30,000 households.



#### **INTEC's advantages:**

- **Quality:**  
Design, engineering and main components manufacturing on the company premises in Bruchsal in the South of Germany
- **Individual design:**  
Tailor-made plant design, modular solutions and equipment adapted to customers' needs
- **Innovative:**  
Design of new products, progressive further development of existing products
- **Ecological:**  
Systems for environmentally friendly combustion of solid fuels: wood, wood waste, bark, sander dust, fruit and grain husks, bagasse, PKS as well as challenging fractions such as different productions wastes, sewage sludge, RDF, plastic and household waste
- **Flexible:**  
Use of fossil fuels, production wastes, solid fuels (biomass, RDF, municipal waste), electrical heating and off-gas combustion

- **Single source supplier:**  
Planning, engineering, production, delivery, installation supervision, commissioning and after-sales service can all be done by INTEC
- **Global presence:**  
An extensive net of offices, representations and partners enables INTEC to provide support to its customers all over the world