

Our innovative strength and competence for your success

Our research and development department is working intensively to improve your plant.

Thus, many products as **airmaxx4**, **pumpmaxx**, 2-pass exhaust gas heater or the partial stream design were developed and make your plant now



more environmentally friendly and safer.

The latest production methods and permanent quality controls ensure a smooth operation with high availability even at high loads.

Modular concepts and most recent planning methods offer a maximum of flexibility to adjust your system to the local conditions.

Our experience is your benefit. We compile the best concept for your high demands.



Assembly of heat recovery systems

Product range

Renewable Energy Sources

- + ORC - cogeneration with solid biomass
- + **orcmodules** and packages
- + Waste heat boilers for wood combustion
- + **airmaxx4**
Automatic heating surface cleaning system
- + **steammaxx**
High pressure steam boiler plants for natural circulation

Waste heat recovery

- + ORC-power plants for generating energy from waste heat
- + **orcmodules** and -packages
- + Exhaust heat recovery boiler and heat exchanger
- + Heat recovery plant
- + Heating surface cleaning system

Supply with process heat

- + **thermomaxx**
Thermal oil heater for liquid and gaseous fuels
- + **airmaxx4**
High temperature heat transfer systems
- + **hpsmaxx**
High pressure natural circulation steam boilers
- + **elektromaxx**
Electric heater
- + **scsmaxx**
High precision temperature control loops
- + Heat exchangers for liquids, vapors and gases

supportmaxx

- + Commissioning and assembly monitoring
- + Plant service
- + Maintenance and repair service
- + Spare parts service
- + Plant modernization and upgrading
- + Training and Consulting

www.maxxtec.com **hot solutions** for high demands

Maxxtec GmbH

Breite Seite 1
74889 Sinsheim / Germany
Tel.: +49 (0) 72 61 / 92 79 - 0
Fax: +49 (0) 72 61 / 92 79 - 99
maxxtec@maxxtec.com

Efficient power generation

Whether in industry, local bodies or the private sector:

Energy plays a vital role in our modern life.

Our decentralized concepts make the economically production of environmentally friendly energy possible where the energy sources are available and where the heat is needed.



We supply turn-key solutions of highest quality and the scope of supply is tailored to your high demands.

Our approach is to maximize the ecological and economic efficiency. This means for our clients independence from fossil fuels by economic use of environmentally friendly and local resources.

In this way maxxtec clients can concentrate on their core business.



Biomass cogeneration plants

Use existing or renewable resources to generate electricity and heat from solid biomass, waste heat or solar energy

Rising costs, growing environmental awareness, the finite nature of fossil fuels and the growing desire for independence lead to a rethinking of energy production.

With our innovative products, we offer you the conditions for efficient energy generation from existing waste heat or renewable resources that lie "right outside your door".

maxxtec ORC-power plants are base-loadable CHP plants with high efficiency, and excellent part-load behavior.



Unlike water vapor processes ORC power plants need very little operating and maintenance costs.

In addition, they have an excellent part-load behavior and can be automatically started and shut down. ORC-power plants are therefore an excellent complement to solar systems or wind power plants to ensure a continuous generation of electricity.

This way environmentally friendly and efficient energy production becomes economic in already small and decentralized units.

ORC cogeneration plants in the use of solid biomass for power and heat generation in the smaller power range have prevailed by its compelling advantages.

In Europe, already more than 120 of these plants are in operation. Innovative products of **maxxtec** such as **airmaxx4**, **pumpmaxx** or our **superior 2-pass exhaust gas heater** have been installed in the vast majority of these plants.

In many cases the energy recovery of decentralized waste heat streams is



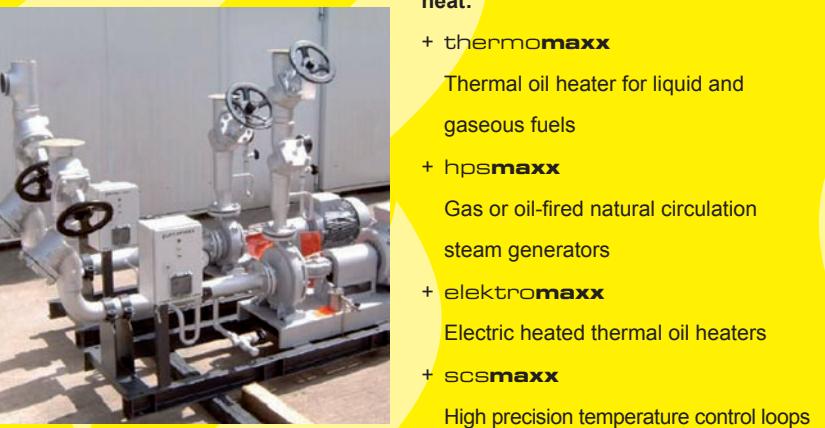
still not economic. Also here our ORC-processes offer compelling advantages. The use of these potentials reduces the impact on the environment and the energy costs.

maxxtec is the only manufacturer that supplies heat transfer systems and **orcmodules** from a single source. The advantages of this package we have already demonstrated with the development of our partial stream design.

The efficient transfer and generation of process heat

Our products are used where the industry needs high performances, extreme pressure or exact temperatures for their processes.

Innovative concepts, high quality and expert advice from our specialists ensure an economic and safe operation of your system over many years.



Products for the supply with process heat:

+ **thermo maxx**

Thermal oil heater for liquid and gaseous fuels

+ **hpsmaxx**

Gas or oil-fired natural circulation steam generators

+ **elektromaxx**

Electric heated thermal oil heaters

+ **scsmaxx**

High precision temperature control loops

Lasting value retention and profitability through superior service, 24 hours a day

Highly qualified specialists take care of your system 24 hours a day. Per telemaintenance we can detect the current operating conditions and analyze the root cause.

A contact person of our service department stands in close contact to you for an individual support in matters of your heat transfer system and your **orcmodule**.

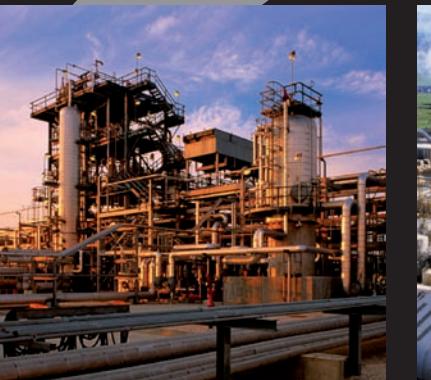
Of course, we always ensure that existing plants are equipped with the latest developments. This way, we ensure perpetual profitability and value retention for your plant.

- supportmaxx** offers:
- commissioning and assembly monitoring
 - revision and repair service, inspection of pressure equipment and anti-wear coating of particularly stressed components.
 - spare parts service and plant maintenance
 - plant modernization and upgrading

With our plant telemonitoring and 24 hour service we provide for fast response and help to minimize costly downtime.



Biomass cogeneration



Industrial waste heat



airmaxx4



Training



supportmaxx

