

Upgrading and modernization

Changes in the legal framework, the operational experience gained and last but not least the suggestions of our customers secure that our plants are continued to be developed. To make our plants more and more efficient and reliable our existing systems are improved and new developed.

When developing new equipment we always insist on the possibility to retrofit our existing systems. In this way, we always have the option to keep your plant continuously updated to the latest technology. Efficiency and value retention of your plant is permanently guaranteed.

- + Retrofitting with new developed systems for improving efficiency and reliability
- + Redesign and modernization of the equipment of all brands



maxxtec regularly organizes customer seminars which inform about the latest technical developments, changes in the relevant standards and regulations, maintenance of plants as well as plant design and operational information.

Thus, you can regularly inform yourselves about the latest trends and developments.



Product range

Renewable Energy Sources

- + ORC-plants for combined heat/power generation from solid biomass
- + **orcmodules** and -packages
- + Exhaust gas heaters for wood combustion plants
- + **airmaxx4**
Automatic heating surface cleaning system
- + **steammaxx**
High pressure steam boiler plants for natural circulation

Waste heat recovery

- + ORC-power plants for power generation from waste heat
- + **orcmodules** and -packages
- + Exhaust gas heaters and heat exchangers
- + Heat recovery systems
- + Heating surface cleaning system

Process heat supply

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

supportmaxx

- + Assembly monitoring and commissioning
- + Plant service
- + Maintenance and repair service
- + Spare parts service
- + Plant modernization and upgrading
- + Training and consulting

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supportmaxx

Assembly monitoring and commissioning

Repairs and spare parts service

Plant service and maintenance

Plant modernization and upgrading

Training and consulting

hot solutions ^{for high demands}

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maxxtec
hot solutions for high demands

Assembly monitoring and commissioning

The **maxxtec** support does not end with the delivery of the plant. We do everything to ensure a permanent efficiency and reliability of your plant.

From the assembly to the start-up our experts support you with words and deeds. During commissioning, all systems are controlled in detail and then systematically started up in compliance to the safety directives. Your staff is introduced in detail to the operation and maintenance.



maxxtec know-how from assembling to commissioning, handover and operation instructions of your plant

+ Support for the assembly

Our project supervisor advises the appointed construction firms in installing the components, the pipeline and in all further assembly steps.

+ Pressure tests

Our service technicians have the skills and experience to complete the pressure tests before the commissioning of the plant.

+ Commissioning and functional testing

Before commissioning the plant all functions are reviewed and tested in detail. While commissioning the plant we leave nothing to chance. The plant is commissioned in compliance with all operating and safety regulations and handed over ready for operation.

+ Performance test

Before handing over the plant all operating points are started and the functioning in the operating states agreed is checked.

+ Training of the operational staff

Your operational staff is instructed in detail about the functionality of the plant, the safety-related requirements, necessary inspections and routine tasks, as well as repairs of simple failures.

+ Plant inspection and maintenance

We check your system for functionality, compliance of operational and safety regulations and carry out all maintenance work. Analysis of the heat transfer media for recoverability.

Repairs and spare parts service



Heat transfer equipment and ORC-power plants consist of a variety of different aggregates.



Our service engineers assist our clients in all matters. We do everything to keep standstill periods as short as possible.

In many cases our remote monitoring service system allows us to access plant data and even find a remedy by telephone.

If this is not possible we send one of our technicians as soon as possible to you.

You can reach our repair and spare parts service during normal business hours:

Tel.No.: +49 (0) 7261 / 9279 -40
Fax: +49 (0) 7261 / 9279 -30
E-mail: service@maxxtec.com

Our service technicians have fully equipped service vehicles with all important spare parts. Further parts we have on stock in order to be able to deliver on short term.

24-hours service

- + Central contact person for all systems
- + Online analysis by remote monitoring
- + Highly skilled service technicians with fully equipped service vehicles
- + Fast on-site availability



Outside office hours, our 24-hours service hotline is at your disposal:

Tel.No.: +49 (0) 700 - 629 983 20
Tel.No.: +49 (0) 700 - maxxtec-0
E-mail: service@maxxtec.com

Plant service and maintenance

maxxtec systems are designed for making longest maintenance periods possible. Nevertheless, preventive maintenance is the basis for a trouble-free operation and the value retention of your plant.

We perform all required maintenance work for you. Depending on the availability and qualifications of your own staff, we offer maintenance contracts in modular form and you can determine the extent of the services up to the full service agreement, which includes all spare and wear parts.

Further services as boiler cleaning, inspections, analysis of the production equipment, superimposing of surface dress by flame spraying or wall thickness measurements and pressure tests we professionally and reliably complete.

- + Modular maintenance contracts; you can freely choose scope and frequency
- + Planning and execution of extensive revisions
- + Boiler cleaning, pressure tests, wall thickness measurements and heating surface coating

Latest systems for a remote monitoring of your plant reduce time and effort of on-site maintenance. In case of special operating conditions or errors, we can analyse the state of the plant and define appropriate measures for remedy together with your staff on site.

