



> We look forward to taking time for your future-oriented solutions.



Energy for the Future  
Water for the World



Technology Group



> Promising ideas  
make the world go round.

“Green Tech” on the fast lane: environmental technologies are on their way becoming the key industry of the new millennium. There is currently no other branch for which economic experts predict such enormous growth rates like for the sector of environmental and sustainability technologies. The global market volume for eco-friendly technologies will more than reduplicate until 2020, according to current data.

Discover the possibilities of the “Green Revolution”: the G+R Technology Group situated in Regenstauf, Bavaria is one of the pacesetters of this top future trend. Long-lasting solutions as well as the processing of top-quality raw materials guarantee the success of our customers.









Today`s visions of an apparently remote future might turn to reality in only ten or fifteen years: the sales volume of the “Green Technologies” will for the first time exceed the traditional fields of industry such as vehicle and machine construction in 2020. This is what the management consultancy Roland Berger published in the “Environmental Technologies Atlas”. This is an interesting field, especially for investors: current timing is right to invest in tomorrow`s energies. Better get started today than wait until tomorrow.

## > Bright future prospects.

The G+R Technology Group is perfectly prepared for the future: seven decades of experience, permanent innovations, worldwide highly appreciated products, highest quality standards and the latest engineer expertise guarantee a huge market in the areas of Green Tech, Polysilicon, machine construction and special plants as well as highly developed heating/cooling systems.

Explore the foresighted G+R visions – long-lasting investments for a successful future. All from one source.





> Invest in tomorrow`s industries of the future!  
Environmental technologies or the extraction  
of energy? Just do both at the same time.

High-quality proteins for the  
food industry.

Greases for the chemical and  
cosmetics industry.

Biomass for the energy extraction  
from biogas and combustibles.

Sea water results in drinking water,  
without any negative impact on  
the environment.

Slaughter waste and leftover food  
result in energy-rich feeding stuff or  
energy-efficient secondary fuels.

What about tomorrow`s energy supply?

How are we going to recycle our raw materials, residues  
or wastes up to nearly 100% or to more efficiently use  
energies?

As one of the forerunners throughout Europe, the G+R  
Technology Group daily works out answers to these  
pivotal questions. Already today, the innovative and  
certified plants of G+R contribute to clean energies for  
the future as e.g. biogas and bioethanol – preserving  
resources, in a sustainable and energy-efficient way.

Optimized in terms of energy, the processes contribute  
to make existing plants even more efficient by means of  
retrofitting measurements. Thus, half of the total  
energy might be saved.

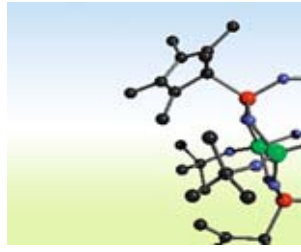
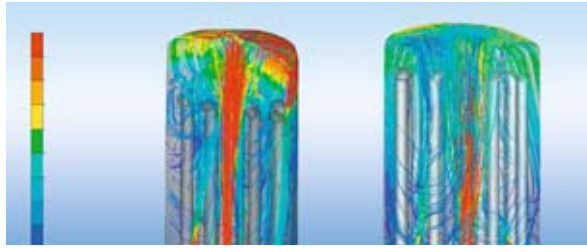
Already today, in Germany every third kilowatt hour of  
renewable electricity derives from biomass. In the  
future, this proportion will even increase – last but  
not least thanks to G+R. The G+R plants ensure a  
sustainable recycling management and reduce the CO<sub>2</sub>  
emission. This is due to the organic material being  
recycled up to nearly 100% and being converted into  
new energy for the future – a handsome profit for the  
environment as well as for the success of your company.

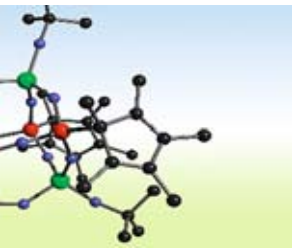




- > Biomass results in high-quality feeding stuff (wet and dry) for animals.
- > Biomass residues result in CO<sub>2</sub> neutral combustibles.
- > Municipal and industrial sludges result in fertilizers and combustibles.
- > Renewable raw materials result in biogas, bioethanol and biodiesel.

New energy for plants.  
New energy for animals.  
New energy and drinking water for the world.  
CO<sub>2</sub> neutral and clean.  
Bright future prospects.





The sun is our future: experts predict a big career for the solar energy, having constantly being advanced from the engineering point of view as well as due to the sophisticated level of efficiency. The G+R technology group equally contributes to this development: this is the place where sand results in high-quality poly- or monosilicon for photo-voltaic plants all over the world. Join this futurible energy boom – use the unlimited energy of the sun for unimagined possibilities.

## > Sand results in electricity – as much as you like. By means of poly- or monosilicon.

Trust in the promising expertise of G+R: in the long-term experience of a reputed expert as well as in an estimated partner for photo-voltaic investment projects worldwide, an innovative manufacturer for reactors and plants for the crystallization of silicon, an expert for the entire crystallization process chain, for its control technology, for separators and heat exchangers as well as a guarantor of the ultimate raw materials efficiency. Let the sun work for you! The G+R expertise enables you to benefit from this solution.

One possible resource for  
the energy supply of the future.



Technology Group



## > Unique all-in-one solutions – according to your requirements.

### FEM analyses and simulations are at the outset

The efficiency of a plant is mainly determined by the extensive interaction of pressure, tension, temperature, extreme exposure and the flow characteristics. By means of FEM analyses everyday situations are simulated while mathematical-physics procedures come into operation, embedded in the contradictory contexts of all influences. This is another reason for the G+R Technology Group today being a well-known expert in the area of machine construction when it comes to design, construction and manufacturing of high-quality and extremely efficient plants, in order to rise the challenge of meeting the demanding customer requirements.

### Reactor vessels

A history-charged and futable field – both at the same time: for decades, G+R has been a well-known expert in terms of development and manufacture of customized pressure vessels and heat exchangers, as well as in terms of maintenance of many products. Detailed documentations and test certificates based on the best available technology prepare the G+R vessels to compete in the global market.

### International welding standards such as AD2000/PED, ASME, SELO and GOST

Up-to-date – worldwide: G+R meets all welding qualification requirements in accordance with international standards – at the G+R premises as well as at the customer`s. Security is the highest priority.

### Individually customized manufacturing

You have got a hard row to hoe? G+R will help you – no matter whether it is about mechanical processing of big parts or complex weldings in steel, stainless steel or aluminium or about construction works. G+R will manufacture your personal part according to your individual drawings. No way for “no way”!

### Installation, initial start-up, performance record and maintenance

Exemplary proximity to customers and excellent all-round service: a highly skilled assembly team is at the customer`s disposal at close quarters for installation, maintenance and repair services.

### Equipped for any conceivable challenge

Several decades of experience, the personnel expertise as well as the comprehensive machinery guarantee that the G+R Technology Group is equipped for any conceivable challenge.







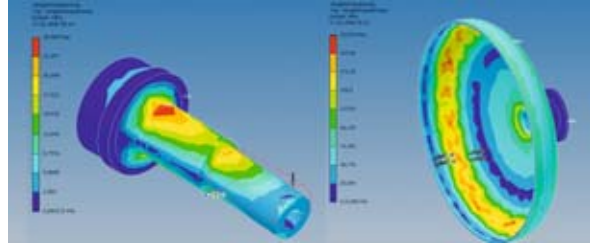


Rely on the expertise of the panel radiator inventor, having been developed at G+R in Regenstauf, Bavaria. Since then, so much has happened: continuous innovations and high quality has turned G+R into one of the market leaders in this area. Panel radiators are not only nice to look at: outstanding functionality, maximum heating efficiency, constant radiation of heat as well as a short heating-up time guarantee an eco-friendly heating system that provides a comfortable feeling and saves energy.

## > Heating and cooling – both at the same time? In an even more efficient way than others, and suitable for very low flow temperatures? Yes, we can!

One single device – many possibilities: the patented G+R panel radiators heat in winter and cool resp. de-heat in summer – a cost-efficient alternative compared to insalubrious recirculating air conditioning systems. An asset not only for people susceptible to allergies or colds but as well for those preferring an innovative and ecological climate control system in order to guarantee a cosy feeling every time of the year. The heating and cooling systems, panel radiators, high-pressure radiators and low-temperature heating systems with flow temperatures of less than 40°C instead of 75°C do not only save a lot of energy but a lot of money, too. A timelessly elegant design, state-of-the-art architecture, highly flexible meeting all kinds of expectations, considerable benefits, futureable in terms of design and individually customized manufacturing available in nearly all shapes and colours. Heating and cooling systems of the G+R Technology Group meet the highest demands concerning durability e.g. in huge public buildings, hospitals and gyms or in demanding designed private properties.





> How to find convincing solutions?  
Just combine many years of experience  
and passion.

#### Focus on quality

Highest quality in order to always meet your expectations. Your reliable business partner, the G+R Technology Group, assists all customers on their way to a successful future. Highly skilled, productive and experienced staff as well as innovative construction- and simulation software and FEM analyses guarantee extremely solid and perdurable machines and plants. Certified quality made in Germany, you can rely on.

#### You name it – we play it

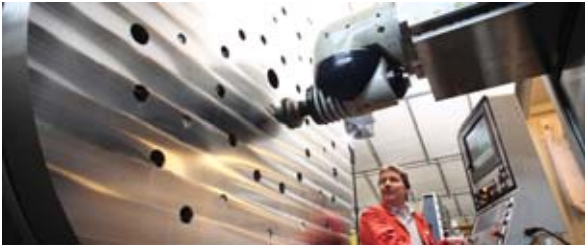
Flexible, expeditious, to the highest standards – this is what customers appreciate when it comes to the G+R Technology Group. We focus on proximity to customers, even in case of great distances – in order to be able to always and promptly respond to your individual desires and needs. After all, it is about your business. The market requirements of tomorrow – already provided today.

#### Prepare for a long-term business relationship – from the very beginning

For decades, a fair, constructive and long-term cooperation has been the basis for many existing business contacts. We proudly maintain values, such as reliability and confidence.









Together we develop, live and realize visions: productive, creative and experienced staff guarantee our customer's success and satisfaction. For more than seven decades, our customers have now been benefiting from our highly motivated team, the pronounced quality consciousness as well as the permanent lookout for something new.

> Creativity, quality, reliability and high flexibility – this is what everybody promises – G+R meets your expectations!

Our secret of success is simple: The customer requirements rank first. Your goal is our goal – success all down the line and highest quality for optimal future prospects.





## > Individually customized manufacturing – all from one single expert source.

### We supervise your project from start to finish

The G+R Technology Group provides you “all from one single source” solutions. This package includes a comprehensive and strategic consultancy as well as specific analyses and planning in order to develop an individual solution for your specific situation.

### Top quality first-class solutions

Due to FEM analyses and computational fluid dynamics simulations any kinds of working loads of your planned installation will preliminarily be checked in detail. Our engineering and process services guarantee the greatest possible utility for all machines and plants.

### Optimized process chains

Trust in the G+R expertise, also in terms of project planning and production. We invite you to optimize your research and technology strategy together with us. All from one single expert source – i.e. we equally support you when it comes to installation, initial start-up and acceptance.

### Your success is our business

Maintenance, servicing as well as consultancy in order to possibly optimize and further develop are included in our full service package for your new plants. Your success and further development is our ultimate ambition.





## > Energy for the Future. Water for the World.

The G+R Technology Group, situated in Regenstauf, Bavaria with approximately 250 highly skilled employees and engineers today is one of the technology leaders in Germany. In an area of more than 28.000 square metres of factory and production space, every day future-oriented solutions are worked out.

Certified quality – made in Germany.

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