

## **WE KNOW WHICH WAY THE WIND BLOWS.**

Our extensive range of services in the area of wind energy.

GP JOULE ensures that the air won't escape from the power supply of the future. Our primary focus is on planning and managing both individual wind power plants and large-scale wind parks as well as repowering old plants. We will be pleased to assist you with your wind energy projects using our extensive range of services.



## THE WIND POWERING THE FUTURE.

GP JOULE can realise your successful and profitable wind project.

Wind park projects in the megawatt range are our speciality. They produce extremely profitable and efficient energy. We develop viable concepts and tailored solutions for our project partners on the basis of regional conditions – throughout Germany, Europe and overseas. After all, good ideas, expertise and professional work know no bounds.

### Our proposal for investors and landowners:

For the most part we initiate and build our own wind projects and take on the business risk – a sign of our financial strength and project experience. You can be an essential part of each of these successful and profitable projects in the area of wind energy as well. As a landowner you can develop and enhance your land with us. And there is no need to worry, because – having its own origins in agriculture – GP JOULE knows just how precious and valuable your land is and thus treats any land entrusted to its care respectfully and carefully. For us, the probability of realising projects on your land is the indicator how we measure ourselves.

As an investor you can join us in realising and marketing projects. Alternatively, once a plant has been completed and commissioned, you can also invest in parts of the project or take it over completely. After the handover, GP JOULE remains responsible for securing the forecast yields by continuing to oversee the commercial and technical management of the plant. At the same time, GP JOULE also offers you a comprehensive and neutral evaluation as well as advice in relation to your investment.



#### Relevant to:

- Landowners, together with whom we realise wind park projects
- Local authorities, who we assist in planning sites for citizens' wind parks and integrating them into the local power grid
- Wind park operators, who we support in repowering old plants and help with our commercial and technical management services

#### Our services:

GP JOULE remains by your side throughout the entire wind project – from securing the location and taking care of all planning and financing matters to undertaking the commercial and technical management of finished plants.

#### Location selection

##### Always downwind.

We assess the wind potential of possible locations on the basis of climatic, technical and political conditions. In doing so, we analyse sites suggested by the client, but we also actively look for suitable locations ourselves.

#### Planning

##### Before the ground-breaking ceremony.

Once the location has been chosen, we carefully plan the construction schedule, check the options for connecting to the grid and secure them both contractually and technically. As soon as these matters have been resolved, all attention turns towards configuring the plant. Height restrictions, spacing, performance curves and many more aspects play a key role, but one thing most certainly doesn't: the manufacturer. That's because GP JOULE is neutral and independent when making the best choice for you and your location.

#### The project

##### We get down to work.

After choosing the plant, initiating the tendering process, securing the grid connection and planning the cable routes, we devote ourselves developing the overall business concept, inviting companies to submit tenders and taking care of all contractual matters.

#### Financing

##### Not plucked out of thin air.

It is not only our flexibility which serves us well when drawing up a sound financing plan, but above all else the strength of our own financial sources. On the basis of the requisite database, we work together with credit institutes to draw up an optimal concept taking into consideration the various funding options.

#### Assembly and connection to the grid

##### Down to earth every step of the way.

Our technical project management team oversees the assembly work on-site and is also involved in planning the cable route and ensuring that the plant is properly connected to the grid. We are able to do this ourselves with plants generating up to 30 kV.

#### Technical and commercial management

##### The key element on which everything turns.

We possess the necessary expertise to ensure the smooth operation of the plant over the long term – and we are also happy to do it for already existing plants, which we take under our professional wing on commercially viable terms. Would you like to see how your plants are performing? Our online monitoring service gives you a clearly arranged overview of the performance data.

## GP JOULE - THE COMPANY.

GP JOULE is the universal, innovative, authentic and successful partner in the renewable energy sector.

From the farming roots of its founders, GP JOULE has inherited and nurtured a down-to-earth culture, characterized by relentless respect and sense of responsibility for the environment. This crystallizes both the foundation and driving force of our company: enhance the connection between man and nature, safely and profitably for both parties.

In GP JOULE, you will find a long-term partner with foresight and vision. GP JOULE's goal is to ensure that 100% of the energy consumed around our planet in the future is produced from renewable sources. As such, GP JOULE focuses on making renewable energy accessible and economical to all.

Whether it relates to solar, wind or biogas, GP JOULE stands by its partners throughout each project: from the initial concept to the safe generation of clean energy. GP JOULE also helps maintain operating plants by offering a wide range of professional services. Finally, GP JOULE is committed to innovation as demonstrated in its continuous investment in new technologies and development of holistic and integrated solutions.

Whether landowner, developer, contractor, investor, lender, business, university, engineer, utility, municipality or consumer, you can always rely on GP JOULE for partial or total energy solutions.