

GENERATION

TRANSFORMATION

DISTRIBUTION

CONSUMPTION

**GP JOULE**

TRUST YOUR ENERGY.

**100%**  
**RENEWABLE**



Securing a sustainable and smart worldwide energy supply is one of the major challenges facing society. With our products, services and qualified employees, we offer solutions that meet this challenge. In doing so, one of the things we focus on is providing consumers and customers with a high level of benefit that does not impose restrictions but adds value.

Given our background in agriculture, successful management in harmony with nature is the guiding principle behind everything we do. To us, progress means acting in a way that makes economic and ecological sense – not ignoring society’s perspective but taking it into account in the process.

We act out of a sense of conviction and responsibility towards humanity and future generations.



Ove Petersen, co-founder of GP JOULE



**We develop things of lasting value - from the green meadow to the charging station.**

By extending the value chain of renewable energies, we are able to secure a sustainable energy supply. As such, our services form a comprehensive range that extends from project development through to the upgrading of electricity to produce hydrogen, heat or mobility. In this way, all processes from energy generation to consumption stay under one roof and can be coordinated economically, technologically and socially for optimum results – this is our aspiration!

**PROJECT DEVELOPMENT**

**Tailor-made solutions for photo-voltaics, wind and biomass**

As an experienced project partner that believes in a holistic approach and regional values, we offer smoothly organised project processes, strategic planning and individual solutions. For economic efficiency and ecological quality – made to measure.

- Acquisition of leased land
- Acquisition of project rights
- Strategic planning and development
- Legal planning taking account of energy legislation
- Approval planning
- Project management through to commissioning





## FINANCING

### Investment strategies for value creators

The purchase and operation of renewable energy projects is an investment in the future – as is acquiring a stake in them. Our experience as project planners and operators, our fast and exclusive access to the market and our intelligent usage models with added value enable us to identify opportunities, understand projects and secure their future.

- Extensive investment portfolio in the field of renewable energies
- Purchase of solar and wind farms as well as infrastructure projects
- Initiation of investment models
- Financing of energy infrastructure
- Optimisation of energy yields
- Strategic and operational asset management

## EPC AND PLANT CONSTRUCTION

### The service package from a single source

From technical project planning and component procurement through to plant construction and approval: we're your partner – always at hand to help. With our understanding of the requirements facing operators, we are able to implement projects that meet all technical and structural requirements.

Engineering, procurement and construction of:

- Free-standing PV systems and PV roof systems in Europe and North America
- Onshore wind farms in Europe
- Biogas, district heating and electricity infrastructure in Germany
- Charging infrastructure and systems in Europe





## SERVICE

### Management that can be measured

Operating a wind farm or a solar park is about more than just impeccable technical and business management: it requires people who proactively get to grips with the issues, consistently seek improvement and are prepared to take on responsibility.

This is exactly what we do. Throughout Germany and internationally. Forcertified quality - made in Germany.

- Technical and commercial management of wind and solar parks in Europe
- Support in gaining approval for the ongoing operation of renewable energy plants
- Modular range of services
- Permanent system monitoring
- Regular, detailed reporting
- Management software via app
- Certified process and quality management



## THINK

### Integrated energy solutions made-to-order

GP JOULE is able to look back on a wealth of experience in the field of renewable energies - and this lays the foundations for future innovations. We identify potential and use this to develop business cases.

The generation, storage and conversion of energy is as much a part of what we do as the intelligent use and control of energy grids.

- Cross-linkage of the electricity, heat and mobility sectors
- Continued operation concepts for energy plants post-EEG (Renewable Energies Act)
- Planning and implementation for business and technology
- Remunicipalisation of local energy supply

#### Heat solutions

- Demand-oriented planning, implementation and operation of heat grids
- Securing of finance and funding
- Public relations and customer acquisition in the heat sector

#### Hydrogen-powered mobility

- The joint project "eFarm" - Germany's biggest green hydrogen mobility project
- 100 % reliable hydrogen production and hydrogen distribution network





## CONNECT

### The system provider for new mobility

We ensure efficient and convenient use of renewable energies. With our range of services relating to the core products of power and charging infrastructure, we create integrated solutions at the hardware and software level. The focus here is on: housing, commerce, municipalities, public utilities and tourism.

- Charging infrastructure - from wallboxes and fleet solutions to charging and load management
- Mobility service provider with a network of more than 18,000 charging stations
- Sharing and pooling of e-cars, e-bikes, e-scooters and e-scooters incl. a modern booking and marketing platform
- Energy supply with electricity and gas from renewable energies

#### Additional added value for customers:

- Fleet analysis on a tracker basis
- Comprehensive energy and mobility concepts
- Mobility stations of all sizes featuring SmartHub functions
- Fleet management concepts for electric and hydrogen-powered vehicles



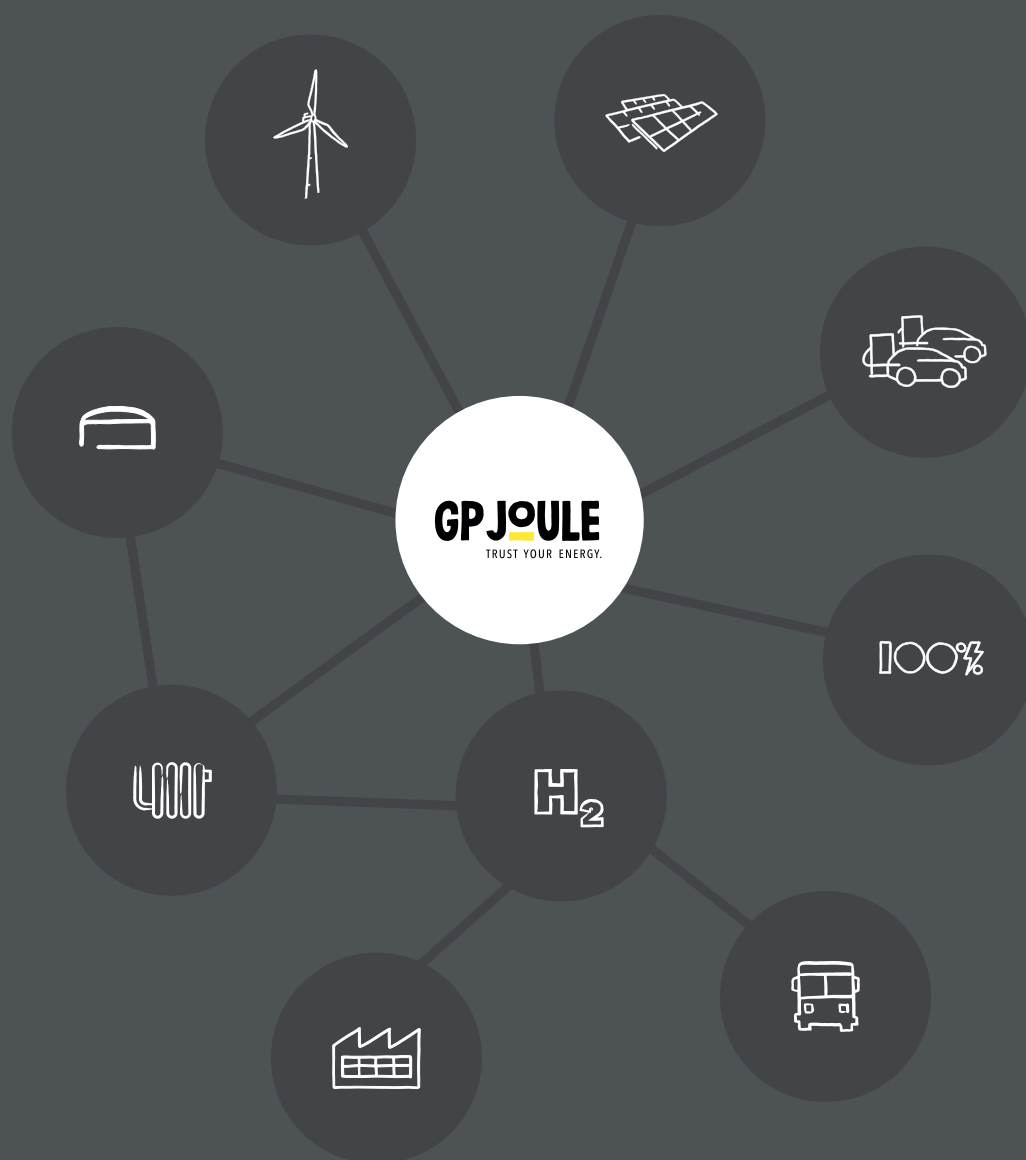
## H-TEC SYSTEMS

### Hydrogen - storage method and fuel of the future

H-TEC SYSTEMS, a subsidiary of GP JOULE, has set itself the goal of implementing the most cost-effective conversion of electricity into hydrogen by means of PEM electrolysis. The compact generation of storable hydrogen from wind and solar power is crucial in order to ensure a successful energy turnaround.

- Production of turnkey PEM electrolyzers ready for series production
- Production of PEM electrolysis stacks in various output classes
- Made in Germany - based on our own technology and patents
- Application focused on renewable energies and the industrial sector





We are an integrated provider of renewable energy from sun, wind and biomass, with years of experience at the supply level for mobility, heat and industry.

Through our subsidiaries, we also have the technologies and expertise to upgrade electricity for new markets. Drawing on this expertise and our network, we develop integrated energy solutions that ensure decarbonisation on a value-adding and sustainable basis.

**Our services are backed up by a strong team that meets challenges with motivation and foresight. For this reason, we already have the answers to the energy questions of the future.**

REUSSENKÖGE .....



..... BERLIN

### GERMANY

GEISLINGEN  
AN DER STEIGE .....



..... BUTTENWIESEN

### NORTH AMERICA

CALGARY .....



LOS GATOS .....



..... TORONTO



..... ST. THOMAS



..... DEER PARK