





# WE TAKE RESPONSIBILITY FOR THE ENVIRONMENT.

Laura Hackl-Späth, Marco Höcherl, CEOs

Protecting the environment - this means that we think of our children. In a time of rapidly advancing globalization and rapid technological growth, it is becoming clearer every day how limited our planet's resources are.

Resources that appeared to us recently to be infinitely available - such as water and air - are now recognized as limited or massively threatened in their purity.

The responsible handling of nature's valuable raw materials is therefore a fundamental component of H&H's corporate philosophy. Only the consistent observance of ecological findings can ensure the long-term success of our company.

For this reason, we introduced a quality management system according to DIN EN ISO 9001 in 1999, which, together with the applicable occupational health and safety regulations, represents the indispensable prerequisite for our entrepreneurial activities.

The H&H environmental management system is implemented as part of our quality management system and is monitored and audited within this framework. Procedural instructions and associated work instructions regulate all environmentally relevant processes. H&H is committed to integrating environmental considerations into all decision-making processes to

- save resources
- decrease energy consumption
- limit the variety of materials
- raise the environmental awareness of employees

H&H wants to engage in an open dialogue with employees, customers and suppliers regarding the environment and thereby advance the process of continuous improvement.



# HÖCHERL & HACKL.

## SPECIALIST FOR ELECTRONIC LOADS.

For more than 40 years Höcherl & Hackl has been a developer and manufacturer of electronic loads and systems for testing power supplies, energy storage devices and fuel cells. We can look back on many years of stable company development. Due to continuous growth, we were able to establish our company as one of the leading suppliers of electronic loads in the German market as well as in international markets.

### Comprehensive Product Portfolio

During this time, we have expanded our product portfolio step by step. Innovative and environmentally friendly solutions, such as the development of products that enable energy to be fed back into the local power grid, have a solid place in our product range today. In addition to a wide range of standard products, we also develop and manufacture product variants that are tailored to the requirements of our customers.

With 47 employees, we develop and produce an extensive portfolio of electronic loads for the world market.

### H&H Offers the Complete Power Spectrum

At our site in Konzell we cover the entire spectrum of value creation: Product development, mechanical design up to series maturity, production up to commissioning, quality assurance and provision of all necessary service and support.

Software development is also in our hands.

We have all the resources and the complete know-how to further develop our products in a targeted manner and to implement and support tailor-made special solutions for our customers with the necessary detailed knowledge.



Short distances and ecologically efficient production: product development, production, service and support are all centralized here.

# RESPONSIBLE & ENVIRONMENTALLY CONSCIOUS

## WE FOCUS ON SUSTAINABILITY.

The key to our actions is the satisfaction of our customers. We are constantly developing our products and services in order to meet the wishes and expectations of our customers.

The aspect of „continuous improvement“ required by DIN EN ISO 9001 is practiced daily by the management and all our employees.

The philosophy of long-term success is reflected in the history of our company. Since its foundation in 1986, we have continuously developed:

|      |                                                               |
|------|---------------------------------------------------------------|
| 1986 | Company foundation as a company partnership                   |
| 1990 | Transformation to a GmbH                                      |
| 1992 | First apprentice is hired                                     |
| 1995 | New construction of a production hall in Konzell              |
| 1999 | Certification according to DIN EN ISO 9001                    |
| 2001 | Extension of the company building                             |
| 2014 | Construction of an extension building                         |
| 2017 | Energy recovery loads                                         |
| 2023 | Management handed over to Laura Hackl-Späth and Marco Höcherl |
| 2026 | 40 years electronic loads by H&H                              |

Our most important corporate values are professional competence, reliability and honesty. This is the basis for our corporate culture.

Our product development aims at longevity, reliable functioning and tailor-made functionality. This is environmentally friendly, because the long-term use of our products conserves resources sustainably. In our relations with colleagues, partners and customers, competence, reliability and honesty are the focus of our actions.

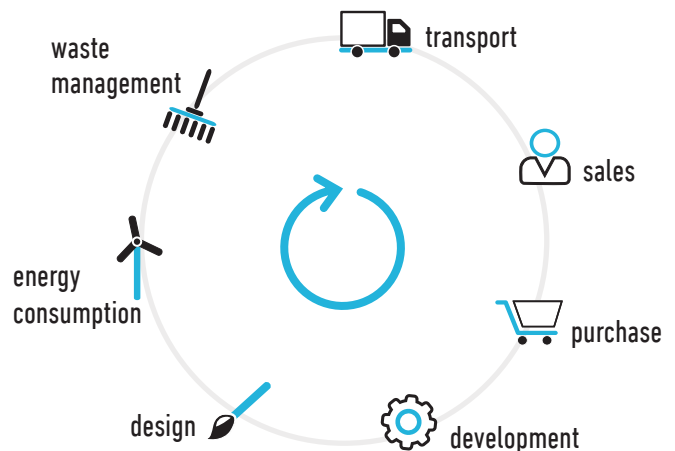
With this successful strategy, H&H has developed and established itself as a leading supplier of electronic loads.

## ENVIRONMENTAL GOALS ARE CORPORATE GOALS.

Environmental goals are firmly anchored in our corporate goals. Due to our focus on sustainable product quality, we also focus our services on measures that contribute to longevity.

For example, we supply a free Factory Calibration Certificate (FCC) with all our devices. We carry out repairs - even for devices from the first hour - as long as spare parts are available or can be purchased.

Our value chain spans the entire product life cycle: we develop and manufacture our products ourselves. Furthermore we purchase all components and maintain our own sales department.



Goals and measures that continually improve our environmental balance sheet are set out in our „Environmental and Sustainability Working Instructions“.

For each individual area, we define precise environmental goals and appropriate measures to achieve them. We distinguish between the following areas:

- materials management
- goods receipt and shipping
- production
- waste management
- product development
- energy sector
- location and buildings
- staff



## CONSCIOUS DESIGN. CREATING GENUINE VALUES.

### Design und Construction

When designing our products, we attach great importance to durable, environmentally and repair-friendly products. We take care to use materials with a low environmental impact.

### Contribution to High Quality Standards

Our products and services create ecological added value – e.g. in renewable energy, e-mobility and research and development. With the introduction of regenerative electronic loads, our products make an active contribution to energy savings.

In the case of solar modules, H&H products with an improved Maximum Power Point Tracking function optimize the product's energy efficiency.

## HIGH PRODUCT QUALITY IS A MATTER OF FACT

### Made in Germany

Our products developed and manufactured in Germany meet the highest quality standards.

- Warranty 2 years, optional extension by 2 years
- Durability due to robust construction and intelligent design
- DIN certifications: DIN EN ISO 9001 since 1999



## THE ENVIRONMENTAL IDEA SHAPES OUR DAILY ACTIONS.

The ecological balance of all operational processes can be further improved by many ideas. Ecological optimization is a guiding principle in numerous areas of operational activities:

- Preferred cooperation with partners from the local region
- Formation of driving communities among employees
- No need for Christmas cards and unnecessary promotional gifts
- Instead, support for non-profit organizations such as „Helfer vor Ort“
- Think before you print – reduction of paper consumption: we prefer to use electronic media in sales and in everyday correspondence



## RESPONSIBLE WITH MATERIALS AND PROCESSES.

The test routines and work instructions defined in our quality management system as well as the observance of all prescribed standards and norms ensure seamless quality in production.

Our employees are always called upon to contribute to improving the environmental balance sheet and increasing quality. To this end, we have developed an environmental guideline as an operational initiative, which is used to train our employees on a regular basis. Environmental goals and associated measures affect all our operations and processes:



### Materials Management – Controlled Use of Operating and Auxiliary Materials

- Exclusive use of RoHS-compliant components
- Compliance with the requirements of the REACH Regulation
- Consideration of supplier declarations on conflict minerals
- Use of rechargeable accumulators instead of disposable batteries

### Production/Manufacturing – Environmentally Friendly Processes

- Development, production, service, and support under one roof
- Electronic operating instructions instead of printed products
- Lead-free soldering in accordance with the RoHS Directive
- Avoiding new purchases by repairing customer devices
- Avoiding problematic substances and disposable materials as far as possible

### Environmentally Friendly Building and Site Infrastructure

- Use of a modern heat pump system
- Use of waste heat from the endurance test bench to support the central heating system
- Night-time temperature reduction and reduction/shutdown during company holidays
- Flower meadows on unbuilt land
- No use of fertilizers or pesticides
- Use of a mulching mower to recycle grass clippings

### Logistics – Minimization of Packaging and Transport Routes

- Minimization of packaging material
- Preference for reusable transport packaging
- Return of transport packaging
- Use of returnable packaging
- Consolidation of orders
- Preference for regional suppliers and shipping companies
- Thus reducing transport-related emissions

### Waste management – Recycling of Recyclable Material

- Waste disposal is carried out strictly according to recycling criteria
- Targeted reduction of waste generation
- Consistent waste separation throughout the company
- Compliance with environmentally sound disposal methods for all materials, e.g.: paper, cardboard, cable waste, metal waste, toner cartridges, batteries, electronic components, old devices, styrofoam, foils, residual and organic waste

### Energy Management – Careful Use of Resources

- Generally economical use of energy
- Change-over to energy-saving LED lighting
- Use of energy-efficient IT infrastructure
- Measures to reduce water use and wastewater generation
- Measures to prevent air and noise emissions

### Greenhouse Gas Emissions

- Consideration of the impact of our energy consumption on greenhouse gas emissions
- Modern heat pump system replaces previous fossil fuel heating to reduce site-related energy-related emissions
- Electricity procurement via green electricity contract based on renewable energy sources

As a medium-sized company with fewer than 50 employees, our direct emissions are low compared to energy-intensive industrial companies. Currently we do not carry out formal greenhouse gas emissions accounting (e.g., according to Scope 1–3).

However, we are committed to implementing energy-efficient solutions and continuously optimizing existing processes within the scope of our economic and organizational possibilities.

### Employees – Promoting Environmental Awareness

- Regular training sessions on environmentally conscious behavior
- Stimulation of driving communities
- Raising awareness for resource-efficient working in daily life



**Höcherl & Hackl GmbH**

Industriestr. 13  
94357 Konzell  
GERMANY

+49 9963/94301-0  
office@hoecherl-hackl.com  
www.hoecherl-hackl.com