

 TECHNOLOGY

The specialist for industrial buildings.

HONEX

HONEX AG, NEUHAUS-ESCHENBACH (SG)

INSIGHT



Honex AG, a company specializing in stamping and forming technology, is one of the high-tech SMEs that have helped Swiss industry gain a global reputation. After more than 70 years of successful operation, the historically grown structures at the original location were no longer able to meet the demands of efficiency and productivity. Honex decided to build a new facility on a greenfield site. And chose IE Technology as the general planner.

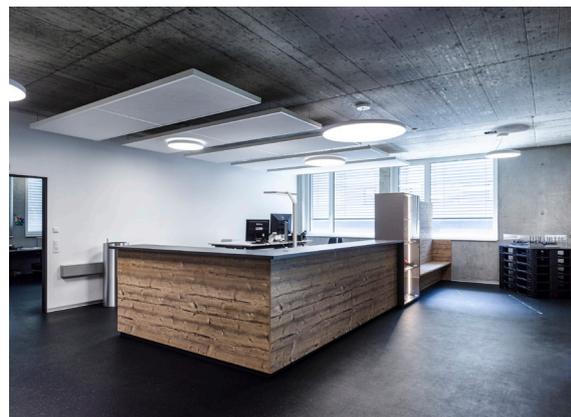
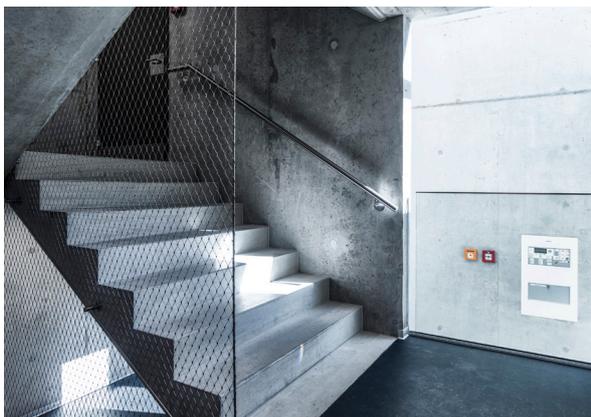
Founded in 1948, Honex AG has brought stamping and forming technology to the highest level of maturity. The company produces highly complex stamped and bent parts with thread-thin cutting edges and maximum precision. These are in demand worldwide and are used in a wide range of industries. With this success came increased demands on the infrastructure at the old location in Wetzikon. After all these years, it was no longer able to meet these demands: the load capacities and room heights of the factory building proved to be an obstacle to further growth. Under the given circumstances, optimizing production processes was out of the question. Thus, the time had come for Honex to take a step toward a successful future with a new building and highly efficient production processes. IE Technology accompanied the project as a catalyst, sparring partner, and general planner for its realization.

THE FACTORY AS AN EXPRESSION OF IDENTITY

CUSTOM-BUILT **NEW BUILD**
FOR THE STAMPING AND
FORMING SPECIALIST **HONEX**

« Our new production facility reflects our commitment to precision and innovation. Together with the planners at IE Technology, we have succeeded in developing an operating concept that reflects our philosophy and is consistently geared toward efficiency and sustainability. »

*Edgar Blöchlinger,
Managing Director Honex AG, Neuhaus-Eschenbach (SG)*



SUCCESS FACTORS

1

OPERATIONS PLANNING AS AN ITERATIVE PROCESS

TAILORED PRODUCTION PROCESSES.

Stamping and forming are highly specialized technologies involving various work steps. At Honex, these essentially comprise engineering, toolmaking, prototype production, and series production of parts. Sub-processes such as the creation of thread-fine surfaces, ultrasonic washing, trowalizing, and several others are integrated into production. Developing a production layout that sensibly links the processes and enables efficient manufacturing is therefore a challenging task.

In line with the IE planning principle of “from the inside out,” IE Technology took a close look at the specific conditions of manufacturing in the areas of stamping and forming when planning the new building for Honex. Based on a process diagram provided by Honex, the IE planners developed a spatial relationship diagram. This ultimately resulted in a convincing operational layout that aimed to optimize operational processes and also included a new storage and logistics concept.

2

WELL-THOUGHT-OUT COMPREHENSIVE SOLUTION FOR BUSINESSES

THE BEST CONDITIONS FOR HIGH PRODUCTIVITY.

In the new Honex building, production is located on a continuous area on the ground floor of the two-story factory building and is divided into sub-processes. A storage and logistics concept linked to production ensures that the flow of materials is optimally coordinated with the manufacturing processes. Goods receipt and dispatch have been combined in the access area on the east side of the building. The upper floor houses the administrative areas, conference and break rooms, and sanitary facilities with cloakrooms and showers. Based on a master plan, space reserves for future expansion steps have also been taken into account.

3

FORWARD-LOOKING ENERGY CONCEPT

CLOSE TO THE IDEAL OF SELF-SUFFICIENCY.

Honex attaches great importance to sustainable production and took the new building as an opportunity to implement an exemplary concept for energy supply. The core element of the building services equipment is the use of geothermal energy via geothermal probes and a heat pump in conjunction with a thermoactive building component system, or TABS for short. This innovative technology for economical heating and cooling is also a very advanced solution in industrial buildings. It is based on the idea of using the building mass as a thermal storage unit. Heating pipes embedded in concrete turn floors and ceilings into active building services elements.

For power generation, Honex has installed a PV system covering virtually the entire surface area of the two roof areas on both sides of the energy center attached to the building. The company is thus anticipating the energy transition and produces stamped parts almost exclusively with solar energy.

4

CLEAR PRIORITIZATION OF PURPOSE AND PERFORMANCE

FUNCTIONAL WORKING ENVIRONMENT WITH QUALITY.

Honex clearly focused its planning and investment priorities on optimizing operations and finding a sustainable solution for energy supply. Nevertheless, the company attaches great importance to the well-being and quality of work of its employees. The offices and social areas are modern, spacious, and flooded with light.

The interior of the factory building derives its charm from the walls and ceilings, some of which have been left in their refined shell form. Function and understatement also characterize the architectural appearance of the building. The striking structure, kept in understated shades of gray, unfolds its effect through a linear design language and clear contours.

5

TEAMWORK BETWEEN PLANNERS AND CLIENTS AS A SUCCESS FACTOR

SUCCESSFUL IMPLEMENTATION OF A VISION.

When planning the new Honex company building, the aim was nothing less than to rethink the configuration of rooms, functions, and processes. In the quest for the best possible solution, Honex challenged not only IE Technology, but also itself. The decisive factor for the success of the project was the exemplary cooperation between the IE planners and Honex: teamwork based on recognition of each other's specific skills and mutual trust.

The new factory building was ready for use on the agreed date. As the machinery required virtually no renewal, it was transferred to the new location. Thanks to well-coordinated timing, the move was completed within ten working days.

With the new building, Honex now has a factory that produces much more efficiently and productively thanks to the well-thought-out layout and design of the rooms and the individuality of the spatial relationships. And it offers a benefit that was close to the hearts of Honex's management: it has an identity-building character.



36 MONTHS

> Development of project ideas and concept planning

16 MONTHS

> Construction period

JUNI 2020

> Groundbreaking

MARCH 2022

> Completion of new building and acceptance



3619 m²

> Usable area



CHF 11 MILLION

> Investment volume



IE TECHNOLOGY SERVICES

> Project management as general planner
> Feasibility study, tenders, and execution



IE TECHNOLOGY

The specialist for industrial buildings.

We are the IE Group: Your specialist for industrial buildings.

We plan, design, and construct industrial buildings. Our goal is to maximize the efficiency of your production - with the help of industrial buildings that are perfectly tailored to your manufacturing processes. We work in manageable and therefore effective teams of industry experts whose motivation and initiative you can rely on. Because at our company, all employees are involved in the business. It goes without saying that we also give you guarantees on costs, deadlines, and quality. **IE Plast, IE Food, IE Life Science** and **IE Technology** are part of the IE Group, which has been on the market since 1966 and offers the necessary financial backing - even for large construction projects.



AT HOME IN YOUR INDUSTRY



ENTREPRENEURIAL THINKING AND ACTION



ALL EXPERTS UNDER ONE ROOF



SECURITY THROUGH GUARANTEES

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