



TECHNOLOGY

The specialist for industrial buildings.

GIS
swiss lifting solutions

GIS AG SWISS LIFTING SOLUTIONS

INSIGHT



For over 60 years, GIS AG has been developing and manufacturing reliable and durable electric chain hoists and complete crane systems for various applications and industries at its site in Schötz in the canton of Lucerne. Continuous growth in recent years has prompted the company to massively expand its capacities. GIS relied on the expertise and experience of IE Technology for the planning and execution of the project.

In its early days, GIS AG manufactured products for applications in the field of precision mechanics. This marked the beginning of an unprecedented success story: over the decades, the long-established Swiss company developed into one of the world's leading manufacturers of electric chain hoists, crane systems, vacuum handling systems, and control components. The popularity of GIS products among users around the globe is based on a consistent focus on customer needs, innovative capability, and high quality standards. The downside of this success was that production capacities were no longer able to keep up with the steadily increasing demand. The operating structures were outdated, logistics were chronically overloaded, and production and assembly processes no longer met current requirements. Expanding and modernizing production was therefore essential.

EXPANSION OF PRODUCTION IN THE EXISTING FACILITY.

TAPPING
INTO **GROWTH**
POTENTIAL AT
GIS AG.



«IE Technology managed our expansion project efficiently and transparently throughout all phases and met the quality, cost, and deadline requirements without any ifs or buts. The cooperation between the teams on both sides was exemplary and goal-oriented.»

*Ivan Muri,
CEO GIS AG*

SUCCESS FACTORS

1

CAREFUL EVALUATION OF PLANNING SCENARIOS

COOPERATION AT EYE LEVEL.

GIS launched the project with the aim of optimizing production processes and creating the conditions for future expansion stages on the basis of in-depth analyses and clearly structured planning. Against this backdrop, the company commissioned factory construction specialist IE Technology to manage the project and initiate the necessary planning steps. Interactive workshops facilitated an intensive solution-finding process between the client's project teams and IE Technology. Together, the participants developed various broadly supported solution variants with ideal workflows along the entire production process and logistics chain. After a critical evaluation of the options, the preferred variant was identified that best met the current and future needs of GIS.

2

OPTIMAL CONNECTION TO THE EXISTING BUILDINGS

A LONG-TERM SUSTAINABLE SOLUTION.

The conditions on the GIS factory site posed a challenge for the planners. Space was limited, material flows had to be routed redundantly, and the relatively narrow plot of land required cumbersome turning maneuvers for trucks. With adjustments and the expansion of existing buildings, the goal of efficient and sustainable production was almost impossible to achieve. The client therefore decided, in line with the recommendation of the IE planners, to take the bold step of replacing the oldest part of the building on the site with a new building. The new hall was built on the footprint of the old "Palahalle," which enabled an optimal connection to the existing buildings. A continuous ground floor was created as an interface for optimally designed material flows. A ten-meter-high long goods warehouse was attached to the seven-and-a-half-meter-high assembly hall, ensuring a highly efficient assembly process. The logistically well-thought-out building concept made it possible to create a ring-shaped access road for trucks on the adjacent property. The harmonious conclusion to the spatial composition is a three-story front building for administration with reserves that are currently used by third-party tenants.

3

COORDINATION WITH NEIGHBOURS

SUPPORT THAT GOES BEYOND SIMPLE PLANNING.

In order to implement the preferred option, it was essential to involve the owner of the neighboring property. On the one hand, the planning of the circular access road for trucks required a land swap. On the other hand, for building law reasons, the construction of a seven-and-a-half-meter-high hall near the property boundary was only possible with the neighbor's consent. IE Technology supported GIS in the negotiations and thus made an important contribution to reaching an amicable solution.

4

NO PROJECT-RELATED RESTRICTIONS ON PRODUCTION

CONSTRUCTION DURING ONGOING PRODUCTION.

It was clear to GIS and IE planners from the outset that the expansion project could not cause any bottlenecks in assembly. Finding an interim solution for storing the large parts proved difficult. An unconventional approach was required: the parts were temporarily stored in a temporary tent and were available without restriction throughout the entire construction period. Construction while production continued - a core competence of IE Technology - was also made possible by sensible phasing of the construction program.

5

FLAWLESS PROJECT MANAGEMENT FROM PLANNING TO THE EXECUTION

PROJECT SECURITY THROUGH PROFESSIONALISM.

In IE Technology, GIS found a competent partner who, as a reliable general planner and total contractor, assumed overall responsibility for the complex construction project and realized the project with full commitment, from the feasibility study to the handover of keys. After a construction period of only thirteen months, the result is impressive in two respects: from an operational point of view, the new building fully meets the requirements and needs of GIS and also impresses with its functional, aesthetically appealing architecture.



2 YEARS

› Planning and construction period



3.328 m²

› Floor area

17.870 m³

› Building volume

7,50 m

› Building height



CHF 7,6 MILLION

› Investment volume



SERVICES

› General planner feasibility study

› Concept and system planning

› Total contractor 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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