



Project security through planning and execution from a single source

The Swiss family-owned company Renggli AG decided to separate the production of medical devices from the production of industrial parts and to house it in a separate building. The reasoning behind this decision was that it would enable Renggli to better and more efficiently meet the particularly high hygiene requirements in medical technology and thus benefit even more from growth in this dynamic market.

The company commissioned IE Plast to plan and implement an extension building that would house not only the new injection molding facility but also the assembly and cleanroom. A key factor in the success of this project was the close involvement of Renggli employees throughout the entire planning phase. In a series of workshops, IE Plast and Renggli jointly developed operating concepts specifically tailored to injection molding production under cleanroom conditions. IE further selected the resulting variants in an iterative process by verifying, optimizing, and evaluating them using utility value analyses.

PLANNING AND CONSTRUCTION PERIOD

› 1,5 years

CONSTRUCTION SCOPE

- › Floor space: 575 m²
- › Cleanroom area 120 m²/ISO7 at rest
- › Building height: 6,10 m

IE SERVICES

- › General planner for the renovation and new construction
- › Operations and cleanroom planning, including qualification
- › Total contractor for execution



Teamwork creates broad consensus on the construction project

Thanks to this clearly structured process, all parties involved supported the final version, which was characterized by high functionality and approvability. The involvement of all parties also had the advantage that the many closely interlinked aspects could be taken into account—whether in the zone concept, including personnel and material access, or in the coordination of the interfaces between operations and construction measures during ongoing production.

Expertise and interface competence for the optimal cleanroom

The integration of cleanroom requirements is playing an increasingly important role in industrial construction for the plastics industry. IE Plast has many years of experience with similar projects in medical technology and has experts with the necessary skills for the planning, execution, and qualification of cleanrooms. Because it is in the details that mistakes can occur. During the detailed planning phase, it was necessary to get to grips with the complex interfaces, both in terms of construction (walls, ceilings, penetrations) and statics (foundations, loads, etc.) as well as the individual building services. Ensuring approval was no less challenging. This was achieved by closely monitoring the approval process and ongoing coordination with the relevant authorities.

Consistent project management guarantees quality and costs

After a construction period of just nine months, the result is impressive in terms of both functionality and design. For Renggli, it paid off to entrust IE Plast with overall responsibility for the construction project as general planner and total contractor. The project was managed in a streamlined and efficient manner, and the specifications for quality, costs, and deadlines were met in full.

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