

FEASIBILITY STUDY



Clarity for Your investment project

For industrial companies, construction projects are always a risk - whether it's a renovation, an expansion, or a new building on a greenfield site. The investment should enable the company to continue developing for as long as possible without one day standing in its own way. But is there enough space on the company premises for future plans? Will the investment in a new building that no longer requires any compromises pay off? How do the construction costs compare to the future savings from lower operating costs – and which solution offers the best of both worlds?

IE provides well-founded answers to such questions – with the IE feasibility study. **We clarify how your investment idea can best be realized, both technically and economically.** Let us review your project and run through the possible options. At the end, all the facts and the best solution will be on the table. You can be sure that you are setting the right course for the future of your production. Reassuring clarity instead of a rude awakening: that's what forward-looking planning from IE looks like.

The specialist for industrial buildings.



Put through its paces: The best solution for your construction project

What makes IE's feasibility studies so valuable?

We involve all disciplines relevant to the construction project: not only architects and civil engineers, but also process engineers, logistics experts, specialist planners from the customer's industry and, if necessary, experts in hygiene and technical cleanliness. Together, they examine the upcoming investment from all angles and develop ideas. In this way, we bring together what belongs together: construction and production. The goal is to achieve maximum production efficiency with the help of industrial buildings that are perfectly tailored to the manufacturing processes.

An approach involving several consecutive **workshops has proven successful**. In these sessions, we discuss our assessments and increasingly concrete ideas with our customers. After all, no one knows the production process, its strengths, and weaknesses as well as they do. By bringing together all perspectives - from all disciplines as well as from the customer side - we create solutions that are often as surprising as they are powerful. The feasibility study for a food manufacturer illustrates this perfectly.

Freezer versus growth prospects

The company commissioned IE to submit a building application for a previously outlined building extension. The primary aim was to create space for a new, wider freezer on an existing line. To this end, an extension into the last large open space on the property was planned. Since construction was already necessary, the extension was also to accommodate the externally located administration and other functions in need of renovation, such as changing rooms and a spare parts warehouse.

New construction unnecessary, processes optimized

At the very first glance at the rough planning, IE raised concerns: If the project were to be implemented as planned, the company would have no room left for future production expansions. IE advised not to "give away" the last reserve for secondary processes, but to keep it free.

A feasibility study confirmed that this intuitive advice was correct: the secondary uses could easily be accommodated in a side wing. But IE went one step further and identified considerable potential for optimization in the subsequent process: the packaging lines could be separated in such a way that the process, which had been spread over two floors for space reasons, could be consolidated on one level.

The result: no extension was necessary for the new freezer, and the savings in packaging personnel costs amortized the conversion within just four years.



The IE feasibility study in 6 steps



Ist-Analyse und Soll-Anforderungen

Our specialist engineers take a close look at your operations. Our focus is less on the building itself and more on factors such as cost-effectiveness, the flow of goods and people, and benchmarks. In our actual analysis, you will therefore be confronted mainly with operations planning; weak points are just as much an issue as the potential for more cost-effective, efficient, and higher-quality production. Together with the customer, we then develop the target requirements in order to answer the question of where the company wants to go in the future.

From the ideal layout to the perfect solution

Existing limitations in terms of space and established processes restrict ideas from the outset. To avoid this, we first design the ideal layout for the factory based on the target requirements – as if there were no limitations imposed by existing structures. Only in the second step do we adapt this ideal layout to the specific conditions of the site.

This creates a clear idea of the direction of the planning: the option that comes closest to the ideal layout is the best possible solution.

The result: clarity, security, acceptance

The study with a rough cost calculation (+/- 20 percent) provides a sound basis for the project decision. We then move on to the preliminary project phase, where we carry out a detailed cost calculation (+/- 10 percent) for the investment decision. Clarity, certainty, and acceptance are the best foundation for a successful project. This is exactly what we achieve with feasibility study, in which we evaluate all options in a transparent manner and involve the customer's project team.

References



Try us out – and Your own idea!

The feasibility study allows us to separate the wheat from the chaff: options that appear sensible at first glance often do not stand up to close scrutiny. Save yourself expensive changes in the late stages of a project and, above all, the belated realization that your investment will only last a few years before new changes are necessary.

Long-lasting efficiency boost instead of a flash in the pan

Benefit from our combined expertise in construction and operations planning. We ensure that your investment project permanently improves the productivity and competitiveness of your business. Don't miss this opportunity and arrange a non-binding initial meeting.

Contacts

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