

SUCCESS FACTORS FOR CAPEX PROJECTS IN THE LIFE SCIENCES INDUSTRY

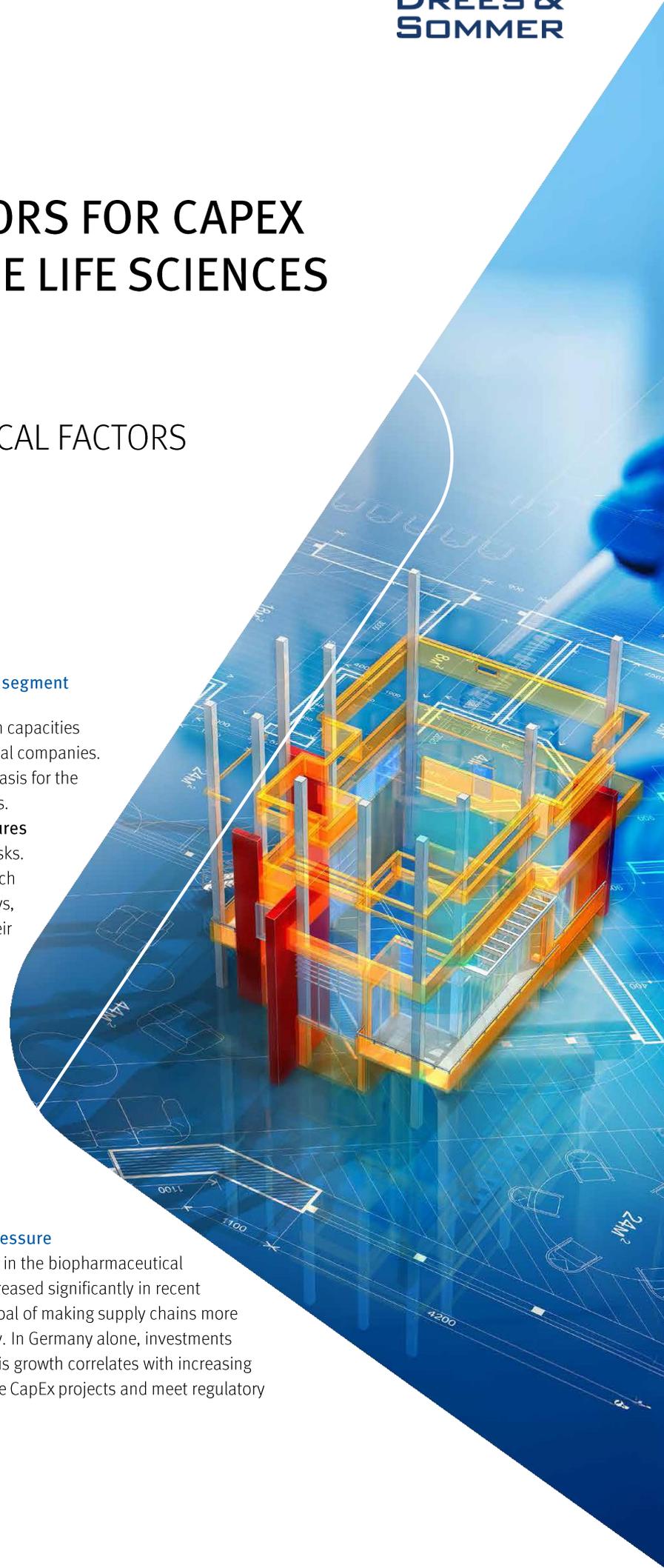
AN ANALYSIS OF CRITICAL FACTORS OF INFLUENCE

The challenge: CapEx in the life sciences segment carries risks

Investments in new research and production capacities are key to the innovative capacity of industrial companies. In the life sciences segment, they form the basis for the development of modern therapies and drugs. However, these so-called **capital expenditures (CapEx)** are associated with considerable risks. For example, empirical studies show that such construction projects often experience delays, cost overruns, and quality defects due to their complexity. The causes are manifold and range from insufficient strategic planning to deficiencies in the operational implementation of the construction measures.

Current market trends and investment pressure

Global investments in production capacities in the biopharmaceutical and medical technology industries have increased significantly in recent years. A key factor driving this trend is the goal of making supply chains more resilient and increasing production flexibility. In Germany alone, investments increased by 78% to €1.9 billion in 2024. This growth correlates with increasing pressure on companies to efficiently manage CapEx projects and meet regulatory and economic requirements.



The solution is a coordinated approach addressing critical success factors



Planning under realistic assumptions

The planning of a construction project determines its success. Research shows that planning errors lead to significant deviations in budget and time. A lack of risk buffers increases vulnerability to external disruptive factors.



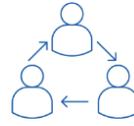
Design efficient and effective communication and governance

Communication deficits are considered a significant risk factor. A lack of governance and unclear responsibilities lead to losses of information and contradictory decisions. A single point of contact and formalized communication reduce coordination risks.



Interface management and digital integration

The complexity involved in constructing laboratory and production buildings requires precise coordination of all specialist areas. Digital tools significantly improve project transparency.



Building user integration and change management

Unclear or changing user requirements are a common cause of differing costs and deadlines. The solution is to involve users at an early stage – supplemented by user requirement specifications and a change control system.



Introduce digital tools and methods

Digitalization is considered key to increasing efficiency and quality in life sciences projects. Analyses show that digital tools and methods not only increase planning accuracy but also improve compliance.

Added value: more efficient projects provide strategic security.

Successfully implementing CapEx projects in the life sciences industry requires an approach that combines strategic planning, methodical risk management, digital methods and technologies, and robust governance structures.

The advantages:

- › Minimized operational risks
- › Quality and safety standards that meet industry requirements
- › This approach not only drives efficiency but also is a strategic instrument to protect the return on investment
- › Optimal involvement of all relevant stakeholders throughout the entire project

Still have questions? We'd be happy to provide further assistance at lifesciences@dreso.com.

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