



Data Center
Group



Data Center
Consulting

The foundation for the digital future

Consulting for your
future-proof data center

Efficient planning, future-proof building

In today's complex environments, companies are facing particular challenges. Political regulations such as the Energy Efficiency Act for Data Centers (EnEfG) require data center operators and planners to move towards sustainable, energy-efficient solutions. At the same time, companies' requirements for security, availability and cost efficiency are increasing - a balance that can only be achieved with strategic skills and industry expertise.



Secure

Whether you're a business or a public institution: We know the specific data security and availability requirements of organizations of all types and sizes. Together, we develop the right strategy for your project.



Efficient

There are numerous ways to optimize your company's IT infrastructures and increase efficiency. We develop the appropriate measures - of course while maintaining the necessary security.



Economical

Independently and objectively, we recognize, analyze and evaluate the risks and potentials of your project from the point of view of economic and ecological sustainability in order to present you with the best decision-making concept.



Your partner for sustainable data centers with perspective

Our experts understand the dynamic requirements of the industry and support you in developing a data center that is not only efficient and future-proof, but also sustainable. Whether optimizing existing infrastructures or planning new projects - we offer you the basis for long-term success with concepts that fit your requirements.



Analysis

Your basis for a reliable and future-ready data center infrastructure

At a time when digital transformation and efficient IT management are crucial to a company's success, the planning and optimization of data centers is of central importance. Our experts are at your side as a competent partner - with a clear focus on detailed and well-founded analyses.

Why analysis is the key

Before decisions are made, an in-depth analysis of your company's individual requirements, existing infrastructure and future challenges is required. Only through a comprehensive analysis targeted strategies can be developed that are not only sustainable, but also economical and future-proof.

Our goal: Clarity for your decisions

The Data Center Group's analysis services don't just provide you with facts and figures. We translate our findings into concrete recommendations and support you in their implementation. You benefit from our comprehensive industry know-how and our experience from numerous successful projects.

Your project, our mission

Let us work together to create the basis for your successful data center project. Our experts are at your side - strategically, in partnership and solution-oriented.

Your added value at a glance

- Maximum transparency about your infrastructure
- Identification of optimization potential
- Concrete recommendations for more efficiency and safety
- Strategic foundations for future-proof investments



Strategy

More efficiency and growth with elaborate concepts

In a digital world in which innovation and agility determine the success of companies, a well thought-out strategy is essential. We support you in optimally aligning your IT infrastructure and processes with your business goals and strategy - for a future-proof and efficient IT landscape.

Why a data center strategy is crucial

A well-founded data center strategy forms the basis for the planning, implementation and further development of your IT and data center landscape. This involves reacting to current requirements as well as actively shaping future developments and technologies.

Your roadmap to the future

With the support of the Data Center Group, you receive a strategy that not only optimizes your current infrastructure but also creates the basis for growth and innovation. Our approach combines technological excellence with a deep understanding of your business requirements - for IT that will take you forward in the long term.

The partner at your side

The right strategy is the basis for your success. Our experts support you from analysis to planning to implementation - with experience, know-how and an eye for the essentials.

The advantages of a well thought-out strategy

- Clearly defined goals and priorities
- Future-proof and scalable solutions
- Efficient use of resources and technologies
- Greater resilience and security
- Competitive advantages through innovation



Project development

Successful projects start with a clear vision and precise planning

As part of project development, we examine the framework conditions for your project (environment, energy connection and connectivity), keep an eye on norms and standards and develop a concept with a cost forecast. We support you in the further marketing of the concept and prepare the necessary documents such as a feasibility study, exposé and management summary.

Why project development makes the difference

A data center project is a complex challenge in which numerous technical, economic and legal aspects are intertwined. Professional project development creates clarity from the outset and ensures that all decisions are made on a sound basis. This saves time and resources and guarantees an optimal result.

Our strength: Holistic project development

Data Center Group offers you comprehensive support in every phase of the project - from the initial idea through to implementation. You benefit from our many years of experience, our technical expertise and our passion for excellent solutions.

Your project, our mission

Let us work together to create the basis for your successful data center project. Our experts are at your side - strategically, in partnership and solution-oriented.

Your benefits with the Data Center Group

- Clear targets and planning security
- Optimization of costs, time and resources
- Reduction of risks through well-founded feasibility analyses
- Innovative and sustainable solutions for maximum efficiency
- Reliable partner with a holistic approach



Our modules for the analysis, strategy and project development phases

Initial workshop

Depending on where you are in the process of your IT project, on the one hand all participants have to be brought to the same level of knowledge and on the other hand decisions for the next steps have to be planned. However, this can only be achieved if influencing factors are made transparent and the dependencies are shown. The initial workshop is the basis for all parties involved in the data center process.

Environment analysis

The analysis of all geographic opportunities and risks is an important building block for your further decisions. Meteorological factors such as heavy rain or lightning frequency, geological risks such as earthquakes and attack hazards must be identified and evaluated. Measures are developed to minimize these risks. An environment analysis is part of the standard compliance according to DIN EN 50600.

Location evaluation

Which location is best suited for your data center? Through preliminary investigations, we examine your strategy and evaluate possible locations based on relevant influencing factors. This location evaluation offers you an efficient tool to develop your concept in a targeted manner.

Development analysis

Energy and connectivity are essential for the operation of a data center. That's why we verify the connection options for your premises in detail. In this way, we create a reliable basis for advancing the development of your project based on solid facts.

Delta analysis

We can check existing data centers within the scope of a delta analysis according to predefined parameters - e.g. according to DIN EN 50600 or uptime requirements. Deviations are documented, solution approaches are described and a rough cost breakdown is created. As a result, you know whether your data center infrastructure meets the requirements or which criteria must be fulfilled in order to meet the requirements. In all considerations, we check whether there are possibilities for funding the measures.

KRITIS analysis

We identify the specific sector requirements for KRITIS - i.e. critical infrastructure companies. With this analysis, we show you the solutions at your location so that your IT can be operated with a data center infrastructure that meets the specific demands.

General concept

Once the framework conditions and measures for implementing your IT project are known, we compile all the information into a general concept in a further step, so that you know what is needed. You can then check space requirements and determine costs for the IT budget.



Feasibility study

When you have to make decisions, you need facts. We comprehensively document the conditions under which your project can be implemented. With our data center feasibility study, we develop the IT and data center strategy according to your requirements. In doing so, we include location factors, such as a development plan, in the considerations and develop a rough concept from this. We document all considerations, whether existing buildings or new construction, or whether your requirements can be developed at the desired location. We examine the various opportunities and risks, the energy connection and connectivity. You will also receive a cost overview so that you can develop your business case.

Strategy paper

A data center project is influenced by various factors. Not all factors are always within the sphere of influence of one person or one department. Your executive management looks at your IT project with different parameters than the building services or networkers. However, all these stakeholders are important to achieve a result that suits you and your goals. Therefore, the different perspectives need to be made visible and understandable for everyone. With a strategy paper, you achieve maximum transparency and information density at the beginning of your project.

Business plans

Based on your requirements, we develop a server room or data center project with you, documenting each step leading to the concept. We take into account all cost factors to determine an investment budget. We calculate what IT operation costs and show you alternative energy concepts. Do you want to offer colocation and rent out data center space? Or would you like to develop a data center as an investment property? Then we will show you the opportunities that the data center market currently offers.

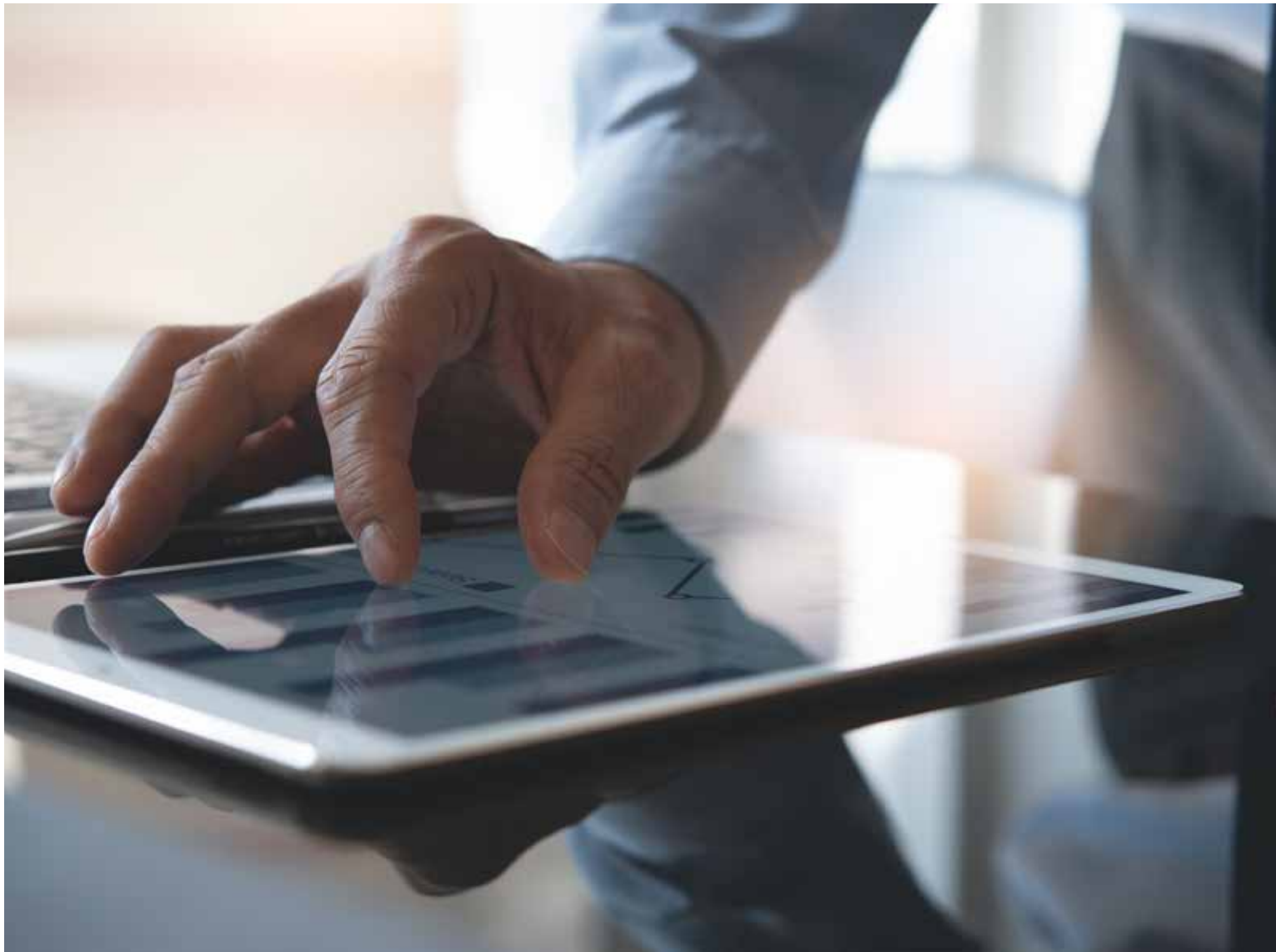
Funding management

In every phase of a data center project, whether small or large, it is worthwhile to check the implementation of the measures with regard to possible funding measures. We analyze the possibilities and modalities of the funding programs for you and support you in applying for the funds.

Optimize your energy costs

Customized and sustainable solutions

What is your energy consumption like? What options are there to optimize your energy requirements and reduce costs? Our experts will help you to answer these questions. We analyze your energy consumption, identify optimization potential and support you in implementing an effective energy management system. We also guide you through audits and certifications and inform you about possible subsidies to further increase your energy efficiency. With tailor-made solutions, we ensure that your infrastructure is operated both cost-effectively and sustainably.



Our modules for successful energy and environmental management

Energy concept

Energy resources are limited, and efficient use is crucial for the smooth operation of your IT infrastructure. We analyze your current energy usage and identify both obvious weaknesses and hidden potential. In this way, we ensure that you can use your resources optimally and control energy consumption efficiently.

Energy efficiency concept

Once we have identified potential savings, we develop tailor-made concepts to reduce your energy consumption. Many of these measures can even be funded, and we support you in applying for the relevant subsidies to make your investments even more efficient.

EMO (Energy Management Officer)

If you do not yet have an energy management officer (EMO), we will work with our partners to provide you with an experienced expert. An EMO takes on the analysis of relevant key figures to identify potential savings, coordinates the implementation of an energy management system and accompanies the entire certification process to ensure that your measures are implemented effectively.

Basic workshop “Blue Angel for Data Centers”

What does the Blue Angel eco-label for data centers stand for? Can my server room or data center be Blue Angel certified? To answer these questions, we check your technical infrastructure and show you which requirements from IT have to be provided to get a certification. This measure is also supported by the Federal Environment Agency. We support you with the application for the funding.

Funding management workshop

In every phase of a data center project, whether small or large, it is worthwhile to check the implementation of the measures with regard to possible funding measures. We analyze the possibilities and modalities of the funding programs for you and support you in applying for the funds.

Environmental management system

The topic of energy and environmental management in connection with the infrastructure of a data center is currently gaining in importance. The coalition agreement of the Federal Government and the emergency program of the Federal Ministry of Economics and Climate Protection specify some cornerstones for this. We teach you the basics of collecting the relevant data and advise you on all topics relating to energy saving as well as the corresponding funding measures. Concepts for decarbonization are also part of our scope of services. Depending on the customer's requirements, we can also assess complete company structures according to DIN EN 14001.

Certification support for environmental management system

Does your server room or data center meet the requirements of the EMAS seal of approval and thus the requirements of the international environmental management standard ISO 14001? If so, we will accompany you during the certification process so that the auditor's specific requirements can be taken into account.



Documentation and manuals

The basis for security and efficiency

Your guidelines for success

How well are your IT infrastructures documented? Do your employees have clear instructions on their tasks and powers in the event of a crisis? Do you know how your systems and their dependencies are interlinked? Complete and up-to-date documentation is essential in order to be able to react quickly and purposefully in an emergency and at the same time minimize company and liability risks.

We create a comprehensive inventory of the current status and develop a target concept that provides clear instructions for all parties involved. In this way, we ensure that your IT systems are not only operated optimally, but can also be handled quickly and securely in the event of a crisis. In addition, we offer you customized manuals and documentation that are understandable and accessible for both your IT department and management. This not only reduces the risk of errors, but also ensures greater efficiency and better traceability in your IT administration.

With professional documentation, you create the foundation for a sustainable, secure and efficient IT infrastructure - today and in the future.

Documentation and manuals



Our modules for documentation

Workshop on operational and emergency management

Manuals are essential to live management systems and their certification and to be able to resume IT operations as quickly as possible in an emergency. To answer these questions we show in the workshop which requirements have to be fulfilled to make your employees fit for operations.

Operational management and emergency manual

No matter if TÜV, ISO 27001 or IT-basic protection. Our consultants create a documentation of the IT environment, with a focus on data center infrastructures or server and technical rooms. Whether processes for operation and maintenance or restarting IT in crises and emergencies, the operations management or emergency manuals and a security concept are the elementary basis for ensuring orderly and efficient processes and avoiding loss of revenue.

Specifications

Once the factors that require your IT project have been worked out and are known, we compile all the information in a specification sheet. This contains all the information required for further planning. With the specification sheet you receive a functional description of your data center project.

Security concept

Our consultants develop a customized security concept for your IT infrastructure based on standards such as DIN EN 50600, TÜV or IT-Grundschutz. This concept guarantees highly available, efficient operation of your data center and forms the basis for the technical requirements necessary for secure and stable operation. With a clearly defined security framework, we ensure that your data center is optimally protected against external threats and internal disruptions.



Certification support

Reduce corporate and liability risks

Support every step of the way

Certifications are an important way of documenting compliance with technical standards and thus providing your company with legal and economic security. Certificates are often a prerequisite for acquiring new customers or taking out certain insurance policies. Eco-label, which prove your commitment to sustainability and environmentally conscious action, can also be decisive for funding applications or potential customers. We provide you with professional support throughout the entire certification process, from preparation to successful certification.

Certification support



Our modules for certification support

Conformity to standards and certification support in accordance with DIN EN 50600

Our consultants carry out a standard conformity check according to DIN EN 50600 ("Information technology facilities and infrastructures of data centers"). You will receive an assessment of the certifiability for the actual state of your data center as well as the identification of measures to achieve certifiability.

Certification support according to BSI basic protection

With a certification according to BSI IT-basic protection, authorities and companies can prove their systematic approach to securing their IT infrastructure against physical threats. We provide certification support based on the BSI Basic IT Protection Compendium (BSI, measures "Physical and environmental security").

Conformity to Uptime (TIER Standard by accredited Tier Designers)

We have TIER designers accredited by the Uptime Institute. This qualification enables us to support and accompany operators of data center infrastructures on their way to certification based on the TIER classes. Save time through structured and certification-compliant documentation of processes and gain a competitive advantage through verifiable security levels.

Blue Angel certification support

If your server room or data center meets the necessary criteria, we will accompany you during the certification process. We have our own auditors for the ecolabel and take care of an efficient and uncomplicated realization of your certification.



Registration support

Since 2024, data center operators with a non-redundant nominal connected load of 500 kW (300 kW from 2025) must register in the BAFA energy efficiency register.

This obligation requires not only compliance with legal regulations, but also precise collection, documentation and preparation of the relevant data. The requirements include, for example, the provision of technical key figures, information on energy efficiency and evidence of the implementation of certain efficiency measures.

We support with technical expertise, efficient implementation and legally compliant processing - for secure and uncomplicated fulfillment of your reporting obligations.



Identify

Determining and setting up the measuring points and measuring methods.



Collect

What data and figures are required for the register? We assist you with the collection.



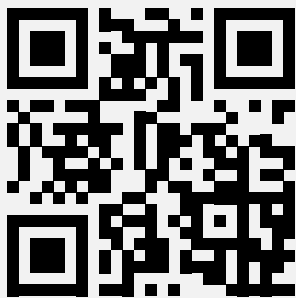
Register

Submission of data, validation, document management and confirmation of data.



Would you like to find out whether your data center is affected by the regulation?

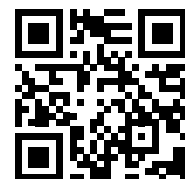
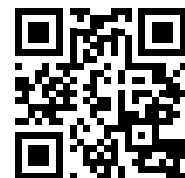
Check it out for free!



Our references

We offer solutions for companies of all sizes - from small businesses to global corporations and the public sector.

Scan the QR code and see more cross-industry references



FernUniversität in Hagen Room solution for Germany's largest remote university

As a state distance learning university with over 70,000 students, the FernUniversität in Hagen needed a highly available IT system. As general contractor, DCG implemented an efficient backup data center in a room-in-room design and assisted with the application for funding from BAFA due to a pioneering propane cooling system.



Federal Maritime and Hydrographic Agency (BSH) Blue Angel for sustainable authorities

The BSH is the central maritime authority in Germany and is responsible for shipping, marine protection, offshore, marine surveying and maritime departmental research. After a public invitation to tender was issued to find a consultant for recertification for the "Blue Angel for Data Centers" environmental seal, the mandate and the consultancy contract were awarded to DCG, which has already been recertified twice.



Geretsried State Fire Service College (SFSG) Secure data center to protect the population

The SFSG is an authority responsible for the training and further education of the command and special forces of the fire departments and disaster control in Bavaria. The conceptual design of the project was initially initiated by the user. The DCG consulting team set the course for the subsequent implementation. The challenge was to bring an IT infrastructure that had grown out of necessity to a certifiable level in accordance with DIN EN 50600.

Our other services



Data Center Consulting

Consulting – Advice for the first step into your new data center

Would you like to get advised first? Our experts are at your side right from the start. Together, we develop a customized strategy that precisely meets your requirements - from the initial needs analysis through to a detailed site evaluation. We provide you with professional support during all planning and decision-making processes and ensure that your project takes the right direction from the start.



Data Center Products

Products – Innovative solutions for your requirements

Are you looking for flexible and future-proof solutions for your IT infrastructure? We offer you an extensive portfolio - from micro data centers to modular room systems and data center containers. Our products are designed to precisely meet your specific requirements and enable maximum scalability. With our intelligent technology and first-class quality, we create solutions that are ready for immediate use and can be integrated smoothly into your environment.



Data Center Engineering

Engineering – Reliable planning and smooth integration

Do you want to take the next step and move your project forward? We make sure that a vision becomes reality. Benefit from our close connection and cooperation between the engineering and construction departments. This results in solutions that precisely meet your specific requirements and fit perfectly into your infrastructure.



Data Center Services

Services – Comprehensive support for reliable performance

Do you want your data center to run perfectly at all times after the construction phase? Our service team will take care of the ongoing maintenance and servicing of your system to ensure that you can concentrate fully on your business. From regular inspections and security updates to 24/7 support - we take care of the technical support so that your data center remains resilient and efficient in the long term.



Data Center Construction

Construction – Efficient implementation and precise implementation

Do you want to make your vision a reality and complete your construction project? We make sure that your projects are implemented smoothly and on time. With our focus on the construction of data centers and our expertise as a general contractor and general transferee, we offer you maximum quality and reliability. Thanks to our integrative approach, we create buildings that not only meet the highest standards, but can also be seamlessly integrated into your existing infrastructure.



Data Center Solutions

Solutions – Secure operational management for maximum relief

Would you like a little extra? The Data Center Solutions business unit offers you complete operating concepts that cover all technical and infrastructural aspects. We take responsibility for the ongoing performance and availability of your data center. This allows you to concentrate on your core business while we ensure reliable operations.



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