The digital transformation poses major challenges for corporate IT. An increasing number of users, devices, and IoT components are accessing applications that are no longer located only in the company’s own data center, but rather that are increasingly hosted in infrastructure-as-a-service environments or consumed as software-as-a-service. This change is pushing traditional WAN to its limits.

Through the increasing number of online and cloud services, distributed locations, and the new “always on” standard, WAN has become the key component for collaboration in companies. To ensure that your company is successful, the WAN infrastructure needs to promote efficiency, productivity, and innovation throughout the entire operation - while optimally utilizing existing resources and maintaining the maximum level of information security. SD-WAN enables intelligent communication pathways to be selected and to secure fast response times for business-critical applications. CANCOM supports you in the development of your individual SD-WAN strategy with a holistic approach. The goal here is to create a management template including a delivery roadmap.

**YOUR ADDED VALUE**
- Cost optimization through migrating to public WAN lines
- Provider independence
- Faster connection of new sites
- Efficient usage of existing line capacities
- Greater system stability
- Increased quality through the optimization of IaaS/SaaS performance
- Increased security through encrypted communication and segmentation
- Application optimization

**USE CASES**
- Cost optimizations
- SD-WAN as a more efficient WAN solution
- IaaS & SaaS optimization
- Connection of multi-cloud environments
- Improving the user experience
- Greatest optimization of applications

**CANCOM SERVICES**
- Consulting and selecting suitable solutions, including a live demonstration
- Concept design
- Executing a proof of concept
- Implementing the SD-WAN platform
- Migrating to this platform
- Flexible operating models up to the full managed service
CANCOM SD-WAN Solutions

The current SD-WAN market is characterized by a lot of different providers and solutions. These differ greatly with regards to added value, functionality, and market maturity. That is why CANCOM relies on a comprehensive strategic approach that addresses all of the relevant areas of your SD-WAN strategy. CANCOM provides you with experienced and comprehensive consulting for selecting a cost-effective solution that fulfills your requirements. In addition, you support our experts in the conception, implementation, and operation of the SD-WAN infrastructure. You lay the foundations of your new WAN strategy with an SD-WAN Evaluation Workshop. This is the central component of CANCOM’s holistic approach and it creates the basis for laying out a roadmap. Learn more about this in the graphic below.

Service content (SD-WAN Evaluation Workshop)

**Preparation**
- Assessment of the current WAN design

**Workshop (on site)**
- Identification of requirements
  - New, internal requirements (WLAN, QoS, etc.)
  - Public cloud connections for IaaS (AWS, Azure) and SaaS (e.g., O365, Salesforce)
  - Private cloud connection
  - Future capacity requirements between sites
  - High availability / path redundancy
  - Application prioritization
  - Security requirements such as VPN segmentation, Direct Internet Access (DIA) protection, Perimeter SD-WAN Security (NGFW), and Integration Cloud Security solutions
- Presentation of the SD-WAN design possibilities
  - Demonstration of at least two concepts (manufacturer/services)
  - Demonstration of the possible WAN topologies (hub-spoke; full-mesh)
  - Demonstration of best practices
  - Development of an initial design

**Post-processing/documentation**
- Documentation of the high-level design
- Budget preparation & next steps

**CANCOM SD-WAN PROCEDURE**

**REVIEW**
- Review of the current concept (CMO)
  - Actual state
  - Architecture
  - Operating model
  - Cost/benefit

**ASSESSMENT**
- As-is assessment
  - Assessment of internal technical requirements
  - Bandwidth assessment
  - Executing a cloud evaluation
  - Taking stock of the required availability
  - Assessment of security requirements
  - Definition – to-be state
  - Evaluation and presentation of solution approaches
  - Business case creation
  - Creation of an SD-WAN

**STRATEGY & ROADMAP**
- Creation of a strategic presentation and roadmap for the successful implementation (FMO)
  - The definition and visualization of
  - target architecture
  - Technical and organizational determination of the degree of maturity
  - High-level operating model
  - Implementation – high-level roadmap
  - Business case summary

**RESULTS**
- Decision template for a WAN strategy and high-level delivery roadmap
  - Architecture / technology environment
  - Objective for the operating model
  - Business case