

NETsite

Professional Solutions
for Fixed Network Operators



The Quality Group

Overview of The Quality Group

The Quality Group is the leading provider of standard integrated information management systems for the improvement of critical business processes for **network lifecycle management** in the telecommunications industry and at government agencies and security organizations.

Our professional solutions support the **planning, setup, documentation and operation of fixed and mobile networks**.

Additional applications, such as contract management, file and process administration, document management and business intelligence systems, support the professional **network lifecycle management** by documenting the processes and analysis of the data.

Practical and international experience in the telecommunications industry and with government security agencies was obtained from more than 120 customer projects and the development of software solutions for **mobile and fixed network operators as well as government agencies and security organizations**.

The **NETsite** product line is standard software that is suitable for any requirements in connection with network and site planning, project management and inventory administration with integrated contract and document management. It efficiently supports and optimizes the projects, the organization, the operation and the administration of sites, operating locations and networks, as well as operational facilities.

Our customers place a variety of challenges and demands on the system and the data structure. With NETsite and our services, we scale the solution to the business requirements of our customers for optimizing the costs and benefits.

The NETsite solution from The Quality Group covers all of the essential processes for the setup, expansion, operation and dismantling of:

- Cellular networks,
- Trunked radio systems, such as Tetrapol, Tetra and
- Landline networks.

A brief list of our customers

Lambda  Net...

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 HanseNet

Alcatel-Lucent 

Hutchison 3G

Sunrise

Our Solution for Fixed Network Operators

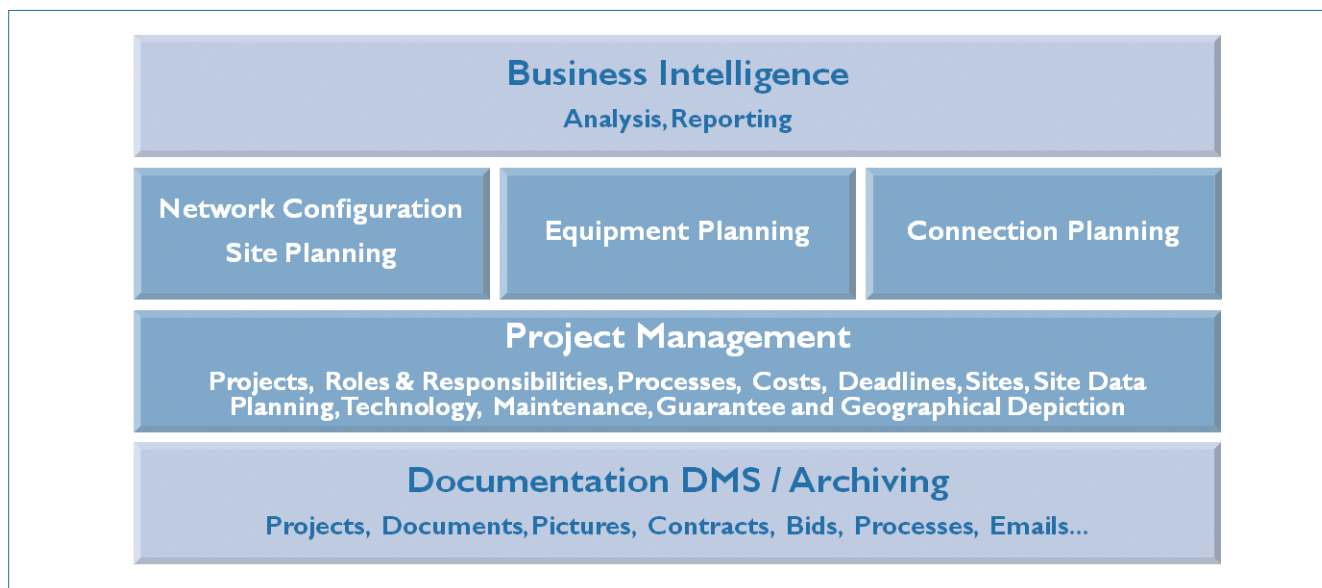


Figure 1: the NETsite architecture: a model for fixed network operators

Continuously increasing demands on bandwidth require not only new transmission procedures, but also an adjustment of the network structure and with it, the issues of FTTx or fiber optics are becoming more important for the carriers. Two dominant access technologies will continue to be available. In the past, these were copper and glass; in the future they will be glass and coaxial cable.

The access network is one of the decisive factors for the provision of services in the public or private telecommunications networks, in order to fulfil increasing demands quickly and inexpensively.

Networks will have to be adjusted, re-organized and migrated to new standards through continuous integration of more modern and developed services.

The decision for and the implementation of these FTTx architectures is the decisive issue for the carrier. The architecture is first distinguished by how long the fiber optics must be to reach the customer. Whereas Deutsche Telekom goes up to the distribution cabinet with their VDSL project (FTTC, Curb), several other providers are already going into the building (FTTB, Building).

Depending upon the selected network strategy and its implementation, for the dismantling and restructuring issues, market and economic decisions take centre stage for the carriers, such as:

- Investment costs (excavation, active and passive equipment costs)
- Ongoing operational costs
- Reliability and interoperability of the selected solution and
- The achievable bandwidth for the end customer, which must be taken into consideration because that helps to determine the future market success of the business model.

In this, the continuation of existing, profitable services is a key factor for each network operator in addition to the quick insertion of the latest services, in order to remain profitable, in a sustainable manner.

Benefit from a professional network lifecycle management system!

With our NETsite product line, we support the network operator and their employees during setup and flexible scaling of the network infrastructure to the growing market demands.

The NETsite Features

Our solutions are designed to be open and flexible, both with regard to specific modification requests as well as integration and interaction with other software products, such as ERP systems. The modular construction provides your with the ability to select the features that correspond to your requirements.

The NETsite solution support employees of fixed network operators in the following areas:

- Planning, setup, documentation and operation of sites, operating locations and networks
- Support for business processes of integrated and integrative project management (site acquisition, selection, planning, design, capacity, implementation and setup (operation, maintenance, repair))
- Monitoring of the complete workflow from the evaluation to the commercial site operation
- Interfaces with associated systems and integration with standard systems

The following target groups at fixed network operators are working with the NETsite solution:

- Access network planners
- Transmission network planners
- Core network planners
- Operation and maintenance staff
- Installation staff
- Technology management
- Line rental management
- Finances (cost supervision and planning)

With NETsite, a modularly constructed solution, which integrates very important functional areas for the individual fields of responsibility, is available to employees.

In comparison with competing products, the NETsite solution provides a modularly constructed standard product that

integrates the operational responsibilities for an integrated network information and management system in a single solution extremely well:

The NETsite product line consists of four knowledge management components:

- Business Intelligence (Analysis, Reporting about the entire NETsite data model)
- Additional Expert Features (such as for planning sites and configuring networks, planning facilities and connections)
- Project Management (with pre-structured expert information regarding projects, roles & responsibilities, deadlines, maintenance, contracts and much more, follow-up logic and integrated workflow support)
- DMS Document Management System for the documentation of the project and the document connected with it.

The NETsite product line includes a modular, object-oriented data model of more than 500 tables and internally coordinated components that are based on the latest software technology. Thereby, NETsite professionally supports your entire work process:

- The analysis level is the data related to the site and the network components
- Comprehensive filtering and search features
- Hierarchical organization of the object data

Important feature areas include:

- Site management, operating location management, network components, power supply, air conditioning, documents, pictures, access description, keys, etc.
 - Management of rental, DETAG, invoices, etc.
 - Special process support: GEE acquisition, DETAG business transactions, and much more
 - Maintenance (deadlines, log files), guarantee, difficulty reports
 - Management of projects, plans, measures and check lists through continuous supervision of the workflows (across all departments)
 - Status & Activities: The definition of the status values and of the activities can be configured flexibly and expanded at any time
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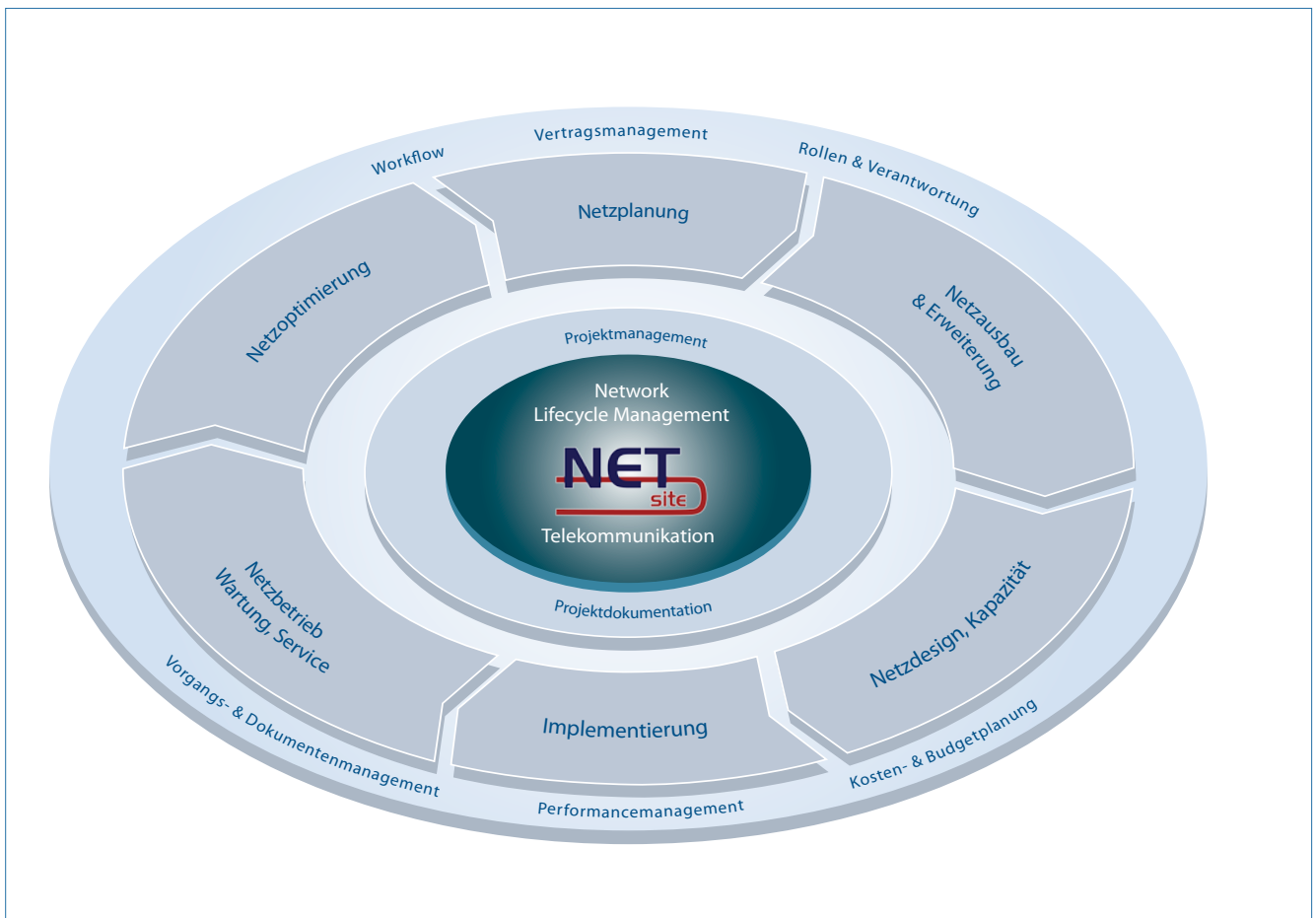


Figure 2: Network Lifecycle Management: Network Management from Planning to Operation.

- Differentiated authorisation concept for setting the status values (who is allowed to set which status values using which module?)
- Evaluations (e.g. weekly status report), activity reports
- Statuswerten (wer darf an welchem Standort für welche Technik welche Statuswerte setzen?)
- Auswertungen, z.B. Wochenstatusbericht, Aktivitätsliste

Our Services

With our NETsite product line and our services, we offer you customer-specific solution for network lifecycle management for every phase of implementation.

Based on our practical experience with the implementation of solutions for fixed network operators, we support you during the planning, specification, implementation and maintenance of our solutions. We offer your flexible service levels, response times, planning of releases for the maintenance of your system and adjust to your individual business requirements correspondingly.

Requirements Analysis and Suggestions for Solutions

- Workshop with an in-depth needs analysis
- Data model and analysis
- Detailed specification with acceptance
- Suggestion for solution

Business and Prozess Analysis

- Definition of workflows
- System integration with tools and products in use
- Planning of the network architecture and the network logs

Network Architecture and Design Services Architecture

- Needs analysis
- Site planning, logical network design
- Security planning, permissions
- Product specifications
- Specification of the transmission services
- Documentation and acceptance plan

Implementation Services

- Project management
- Installation and configuration of the software
- Specification and implementation of interfaces
- System integration
- Test procedures, test execution, rollout and training

Release Management

- Membership in the NETsite User Group
- Participation in the DiALOG Telecommunications event
- Implementation phases for further expansion of the network
- Functional requirements for future releases

2nd & 3rd Level Support:

- Remote supervision of the application for the network
- Hotline support
- Trouble management
- Performance management
- Configuration management

The NETsite product line fulfils the following tasks, from planning the marketing, to the expansion of the network and its extension, network design and capacity, implementation, operation, maintenance and repairs and the continuing optimization of the network itself:

- Central and regional project management databases for planning and operation, costs, project and performance management, site and building management, geographic depiction of networks, administration and master data management, as well as system integration
- Network documentation
- Network information system
- Contract management and documentation
- Cost documentation
- Analysis and evaluation of costs
- Deadline tracking
- Status reports

With the NETsite solution and our services, network operators achieve higher profits, more flexibility and improved performance for network lifecycle management and thereby reduce operational costs.

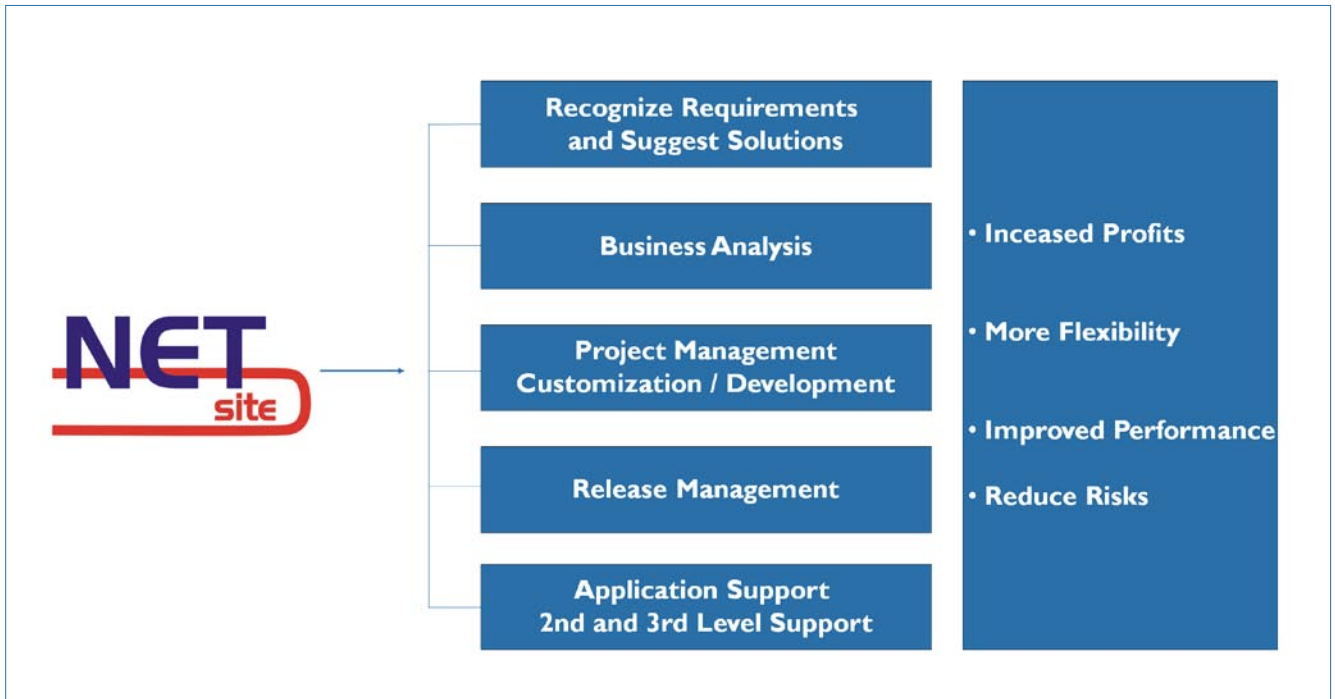


Figure 3: An Overview of our Services

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