

NETsite

Professional Solutions
for Mobile 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 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:

- Mobile networks,
- Trunked radio systems, such as Tetrapol, Tetra and
- Fixed networks.

A brief list of our customers:

Lambda  Net...











Alcatel-Lucent 

Hutchison 3G

Sunrise

Our Solution for Mobile Network Operators

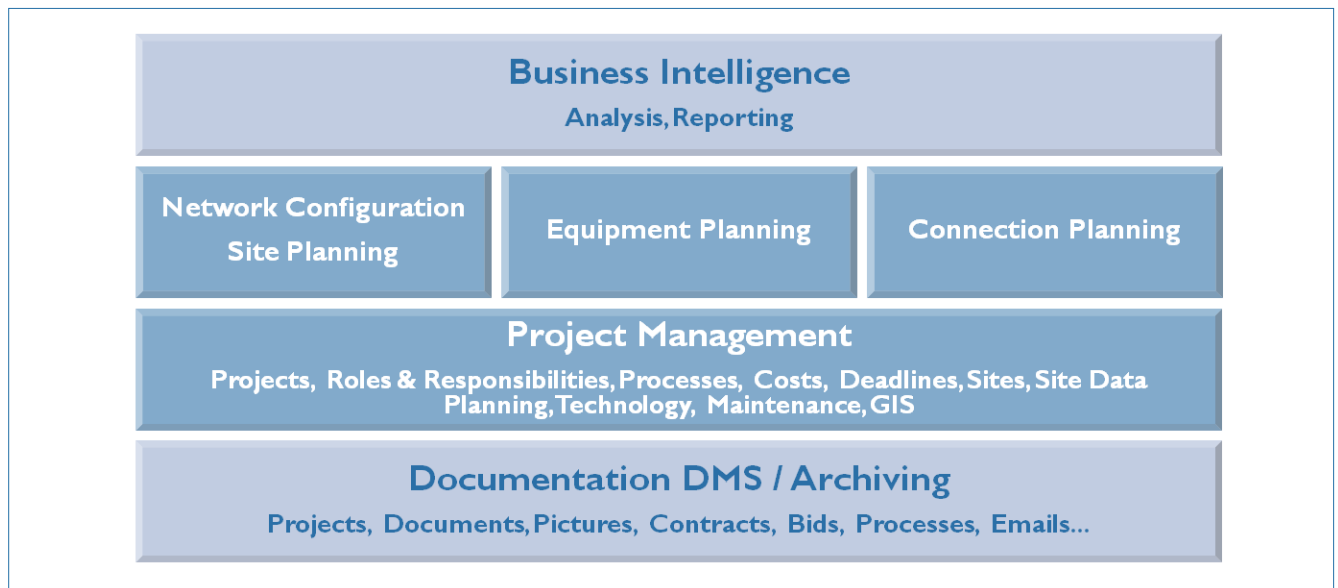


Figure 1: the NETsite architecture: a model for mobile network operators

Even now, cellular phone companies are presented with the challenge of implementing efficient data storage systems and the data management connected with them, as well as their analysis and evaluation for the associated sites and network information and project and technology data.

The continuing optimization of both the flexibility of the network for further market and security demands and the cost effectiveness of the existing infrastructure is the goal.

Status quo at the cellular phones providers:

- Site information and project and technology data are currently kept overly redundantly, in Excel and Access databases, for example.
- Data cannot be compared automatically; only manual maintenance of the data is possible
- Validity and deadlines are not automatically checked
- Databases are diverging, which means inconsistent contents and structures
- Comprehensive evaluations are based on inconsistent databases

Various requirements and challenges of the digital trunked radio networks require optimized management of the necessary processes, such as planning, setup, operation, service and management. With our solutions and services, we scale the solution to the business requirements of our customers, in order to achieve ideal cost/benefit optimization of the network lifecycle management.

The NETsite solution provides integrated software components:

- 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 integration
- Network documentation
- Network information systems
- Contract documentation and analysis
- Documentation of expenses (project, cost and performance management)
- Analysis and evaluation of costs
- Project and deadline tracking
- Status reports

Our Solution for Mobile Network Operators

The NETsite solution covers all of the essential data and processes for setup, expansion, operation and dismantling of cellular networks. The NETsite product line fulfills all of the 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.

In comparison with other systems, the NETsite solution provides the ability to analyze the entire NETsite metadata model flexibly using business intelligence utilities, such as SAP Business Objects and to make ad-hoc reports available to a defined group of users.

All of the data that is maintained in the database in connection with a site, project or their contracts and risks, and much more, can be depicted as desired in reports. There is no limit for the reporting system and the analysis of data and risks, and thus, you have the ability to analyze all of the data for an integrated network information and management system flexibly.

The functionality is a unique characteristic of NETsite and gives the user the maximum capability to analyze and evaluate the data.

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 you with the ability to select the features that correspond to your requirements.

The NETsite solution support employees at the mobile network operators in the following areas:

- Planning, setup, documentation and operation of digital trunked radio 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 are working with the NETsite solution at mobile network operators:

- 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.

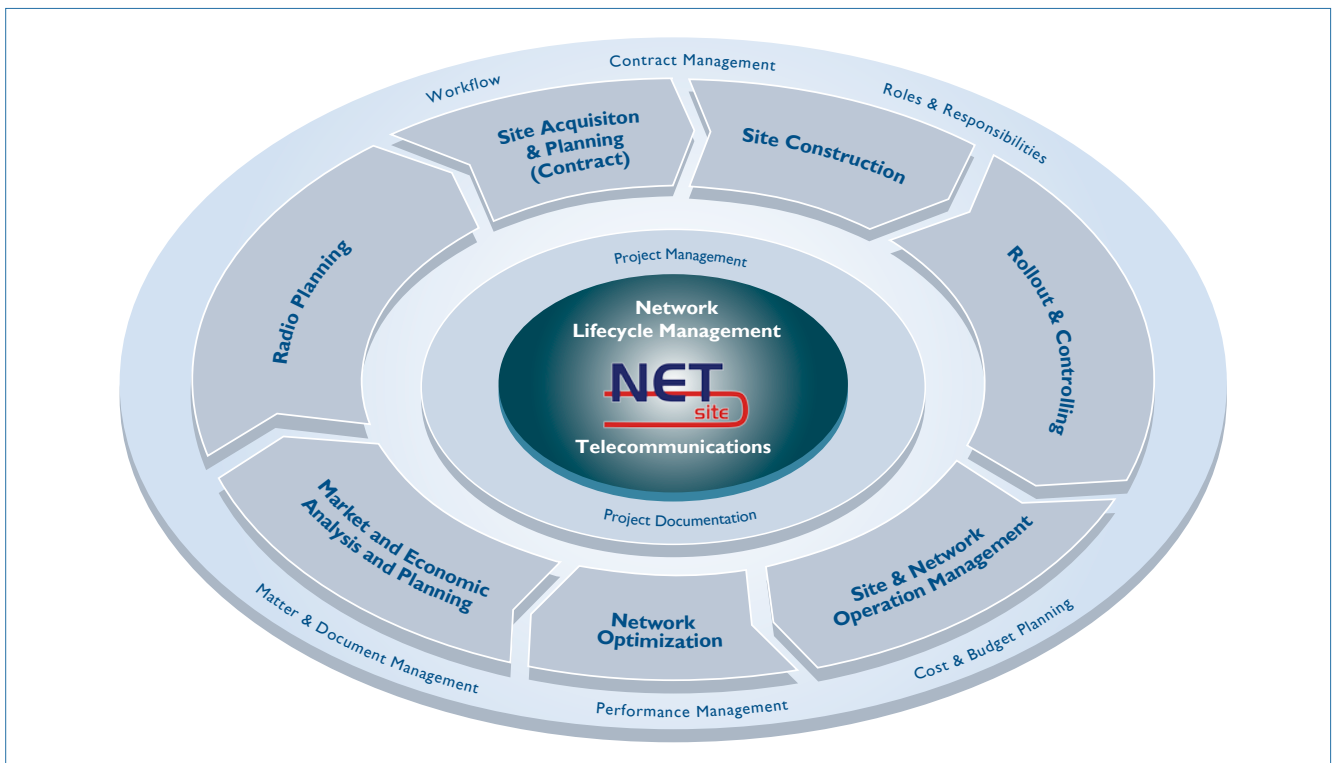


Figure 2: Network Lifecycle Management: Network Management from Planning to Operation.

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.
- DMS Dokumentenmanagementsystem für die Projektdokumentation und der damit verbundenen Unterlagen.

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
- 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

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 telephone providers, 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 Process 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

- 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
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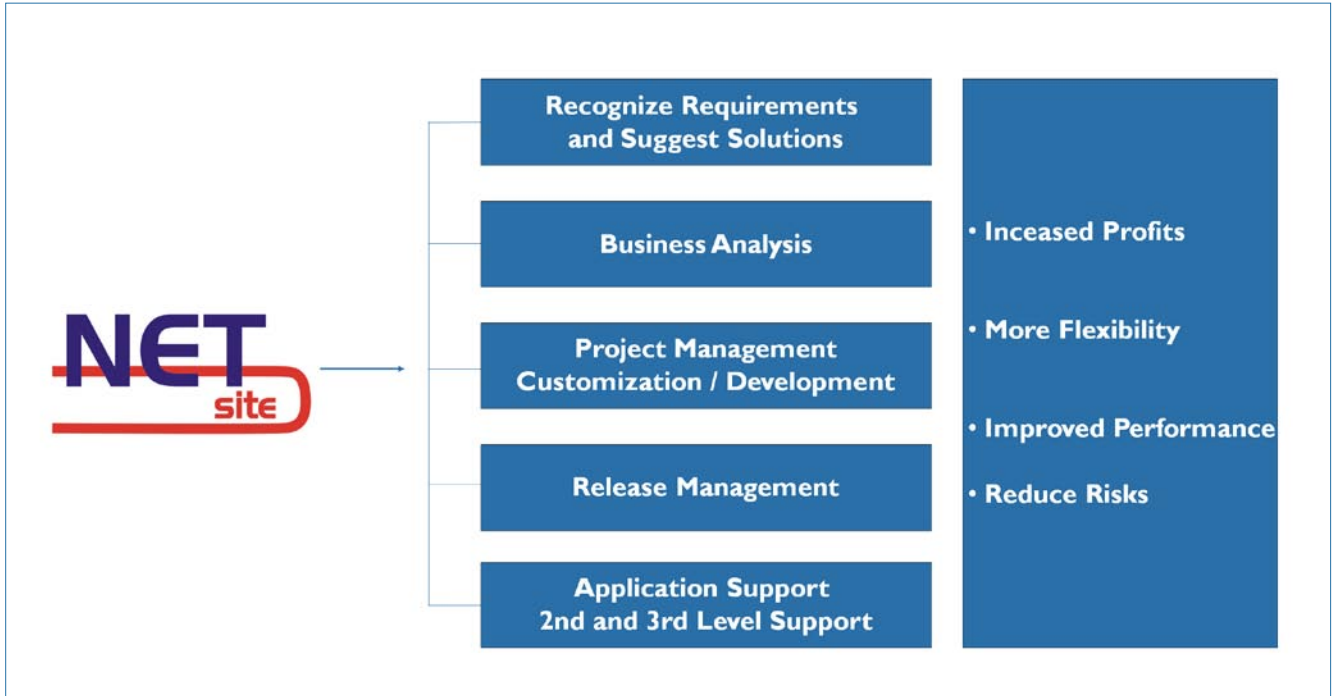


Figure 3: An Overview of our Services

2nd & 3rd Level Support:

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

The NETsite product line fulfills for the cellular phones providers and their employees 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.

Contact

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