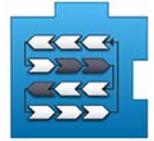# OMNITRACKER

Systems Engineering Center
Controlling complex development projects

The OMNITRACKER Systems Engineering Center keeps you in control, even of complex system development projects. The application supports all phases of the development process, from requirements management through to release. This means you can control all relevant processes fully with one single application: Requirements and change management, configuration and release management, test management, defect tracking as well as transparent knowledge management.

Key Benefits
- Support of whole development process
- No data redundancy
- CMMI support
- Company-wide information exchange
- Consistent reporting

Process control
- Role-based permissions concept
- Workflow-based process control

Efficient processing
- Fast recording of defects and change requests
- Simple version planning
- Integrated knowledge base

Reduce costs
- Save licence costs: Support all processes on one platform
- Low maintenance and administration costs

Mature platform technology
- Business process platform
- Easy to adapt and expand with further processes
- Full integration with other OMNITRACKER applications
- High-performance interfaces
- Integration of external development and test systems

Challenges

In order to successfully conclude development projects you must coordinate all stages of development. You always need to keep track of the current state of development, even in cyclical projects with distributed teams. You must ensure high quality, correctly assess risks and ensure, despite heavy cost pressures, that everything goes smoothly.
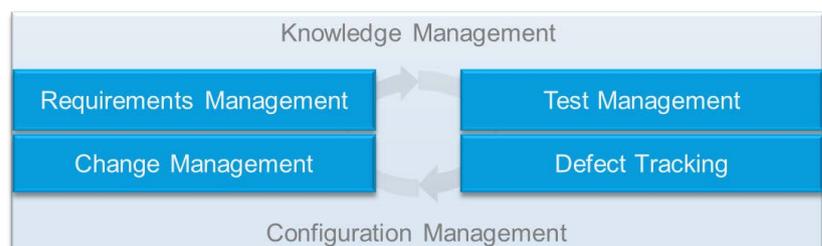
Systems engineering

When developing complex systems, the systematic approach of systems engineering helps to coordinate all development phases. This enables you to realistically plan your development projects and always keep track and maintain control of them.

How can OMNITRACKER help you?

With proven workflows, OMNITRACKER Systems Engineering Center supports all phases of system development from requirements management to development and testing through to release.

You can use OMNITRACKER for all your business processes and thereby reduce your costs considerably. You can integrate other OMNITRACKER applications at any time and configure the existing functionality to meet your needs. Using the powerful OMNITRACKER interfaces you can easily integrate external systems, for example, test systems or software development systems.
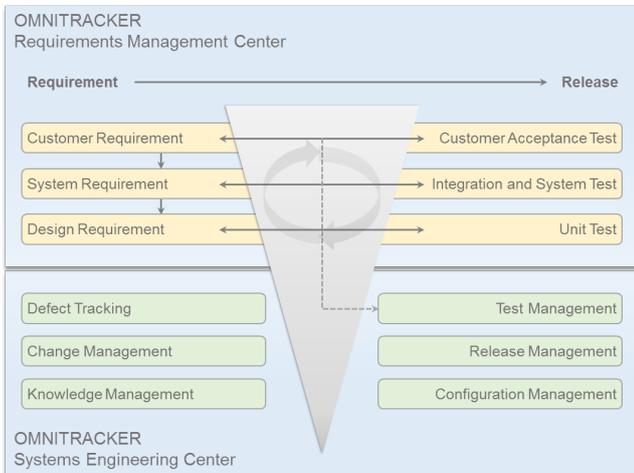
Hard to believe? Let us prove it!

Knowledge Management

| Requirements Management | Test Management |
| Change Management | Defect Tracking |

Configuration Management

Fully integrated processes

The OMNITRACKER Systems Engineering Center supports system development from the definition of requirements to product approval through all release cycles.

Supports the entire development process

Requirements management

The OMNITRACKER Systems Engineering Center includes the complete OMNITRACKER Requirements Management Center application for professional requirements management.

The OMNITRACKER Requirements Management Center uses a generic information model, which supports different levels of abstraction:

- **Customer requirements** describe from the customers point of view what the system should achieve.
- **System requirements** describe what must be delivered to fulfil customer requirements.
- **Design requirements** define in detail how the system requirements are implemented.

Recording requests

You can manually record general requests or create them automatically from incoming emails. You can create defects, change requests or requirements directly from requests without having to record the data again. For example, this enables all users to create requests, even if it is unclear at the time of creation whether a defect, change or new requirement is concerned.

Defect tracking

The OMNITRACKER Systems Engineering Center supports the whole defect tracking process. You can record new defects quickly or create them directly from a request. Defect processing integrates seamlessly into all other processes of the Systems Engineering Center:

- Assignment to releases and builds, to identify the versions in which the error occurred and was fixed.
- Creation of a change request directly from a defect, for further processing in change management. As soon as the associated change request is closed, the defect is automatically marked as solved.
- Correlate defects to each other.
- Link configuration items (CIs), affected by the defect.
- Define and link test cases.

Change management

The OMNITRACKER Systems Engineering Center supports the entire change management process:

- Planning
- Evaluation and prioritisation
- Approval
- Implementation and documentation
- Testing

The continuous documentation of the change request means that every step from creation through to closure can be tracked.
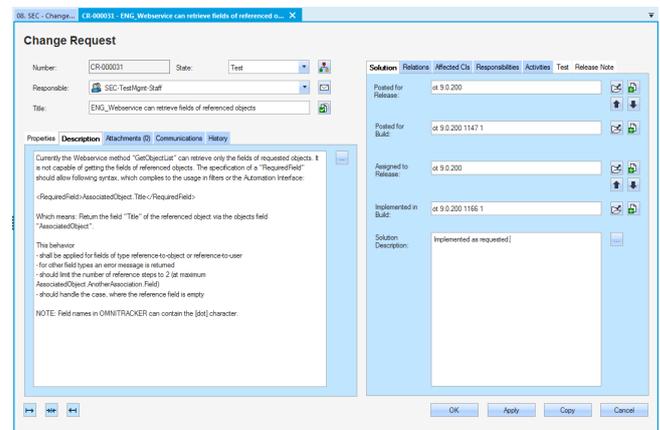
Release management

You can create releases for products managed in the configuration management database (CMDB) and precisely plan and control them in release management. You can assign defects, change requests and requirements to a release, so that you are continuously kept up-to-date with development progress for the given release.

You can categorise requests, defects and change requests based on content in order to support release planning. The clear tree structure of the categories makes this particularly easy.

Test management

In order to ensure that defects are actually corrected and that changes and requirements are implemented properly, consistent and reproducible testing is necessary. The OMNITRACKER Systems Engineering Center systematically supports all test phases from module testing through to acceptance testing.

- **Test cases**: Structured approach to testing. Option of linking with test scripts for automated testing.
- **Test specifications**: Structuring test cases and other test information into test documentation.
- **Test runs**: Testing a particular build using a certain test environment or a defined test set-up.
- **Test procedures**: Logging conducted test cases.

Configuration management

You can save all the information about your system components centrally in the Configuration Management Database (CMDB). You can record and visualise as many configuration items (CIs) as you like, with their dependencies and relationships. The generic approach of the CMDB ensures that you can flexibly expand it and model any type of CI. As a result, correct information on every component is available to you during the whole development process.

Documentation

The OMNITRACKER Systems Engineering Center contains predefined reports for documenting and monitoring the system development process. This allows you to generate different documents and analyses at the push of a button.

- Requirements specification
- Test specification
- Test progress report
- Release status

This gives you complete transparency and traceability and means you can quickly identify any room for improvement. You can easily configure the predefined reports to meet your needs.

Knowledge management

OMNITRACKER Systems Engineering Center also includes a knowledge base, so that knowledge about solutions to problems can be systematically collected and made available.

Continuous integration

OMNITRACKER grows with your requirements. You can very easily integrate further OMNITRACKER applications on the OMNITRACKER platform, in order to fully support additional business processes, e.g.:

- Project Management Center
- Risk management

All OMNITRACKER applications are linked in such a way that you can access information in other processes at any time. This means your business processes are supported continuously and you benefit from redundancy-free data.

If you would like to integrate external systems, you can do so using the powerful OMNITRACKER interfaces. For example, you can integrate external software development and test systems very easily (e.g. CVS, TFS, TestComplete).
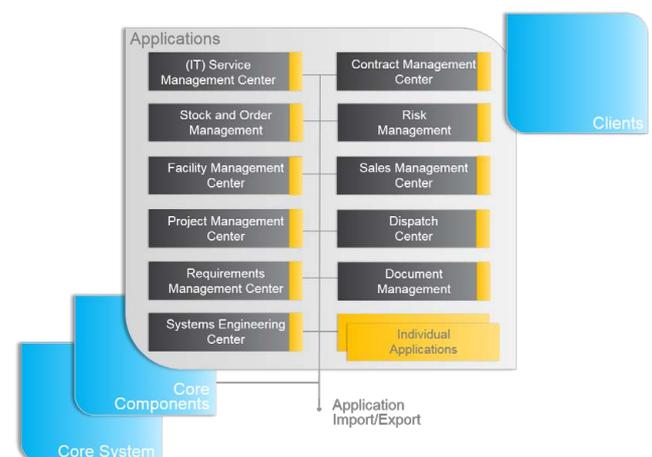
What is OMNITRACKER?

OMNITRACKER is a universal platform for business processes on which all OMNITRACKER applications are based. OMNITRACKER is a powerful tool for adapting processes to your needs:

Save time *OMNITRACKER offers solutions which you can implement quickly and adapt easily.*

Cut costs *After only a few days of training, you will be able to independently implement and configure OMNITRACKER applications.*

Flexibility *All OMNITRACKER applications are out-of-the-box solutions that are easily adapted to your needs – without programming.*

Maintainability *You can easily maintain your OMNITRACKER applications yourself.*

Release compatibility *Guaranteed release compatibility with future versions of the OMNITRACKER platform.*

Customer-centred development *Further development is geared towards customers' needs.*

IT Service Management Center
Project Management Center
Stock and Order Management
Sales Management Center
Systems Engineering Center
Requirements Management Center
Booking Schedule
Risk Management
Task Management
Document Management
Contract Management
Dispatch Center

OMNITRACKER makes your company fit for the future – even if your processes change over time.

OMNINET Software Solutions

As an owner-managed company, we answer solely to our customers. Our top objective is to offer our customers high-quality products and first-class service. To achieve this, we consistently fulfil the wishes and requirements of our customers regarding product content, quality and schedule. Our commitment to a customer does not end with the signing of the contract; but rather, that is when it begins.

Would you like to know more about OMNINET and OMNITRACKER solutions? Then please get in touch with us!

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