

# Quality Analysis

## for IT Managers, Project Managers & Team Leaders



### At a glance

The PITSS Quality Analysis builds upon the Status Quo Analysis. With the Quality Analysis you receive a detailed insight into the results of the Status Quo Analysis. You are given differentiated metrics based on recognized quality metrics such as Halstead and McCabe and the Maintainability Index. With this very informative analysis of your application's quality it is possible to determine all the weaknesses in the application software and documentation. The Quality Analysis will show you the areas in your system where action is needed, how the maintainability can be improved and the further development can be facilitated in order to reduce the operating costs of your application. Our recommendations following the Quality Analysis will show you the path to successfully achieve your goals and objectives.

### Your Situation

Many Oracle Forms applications are 10, 15, 20 or more years old. During this time a lot of technical and technological know-how has gone into the applications. In many cases, an application was initially written by external developers and then further developed internally. In most cases the development teams have changed over the years. The documentation is also usually outdated.

Now it is necessary to determine the quality status of the application as a basis for making decisions to:

- Define strategies for the future
- Reduce the maintenance effort
- Reduce the susceptibility to error
- Increase stability
- Implement the right measures to facilitate further development
- Shorten the training time for new employees

**The Quality Analysis is a prerequisite for these demands on your application.**

### Our Analyses

- Status Quo Analysis
- Quality Analysis**
- Development Analysis
- Upgrade Analysis
- ADF Migration Analysis
- APEX Migration Analysis

### The Analysis Will Help You

- *Identify vulnerabilities*
- *Improve maintainability*
- *Facilitate development*
- *Reduce operating costs*
- *Make the right decisions*

# What We Offer

The PITSS Quality Analysis includes:



## Presentation of the Quality Analysis

The PITSS Quality Analysis includes documentation with the following metrics:

- Comment Ratio
  - Detailed evaluation of the comments in the program units
- Object Distribution
  - Evaluation of possible redundancies and references
  - Use of libraries, global variables, package variables
- Quality Metrics
  - Evaluation of the source code in accordance with generally accepted metrics
    - Halstead
    - McCabe
    - Maintainability Index.
- Naming Conventions
  - Review of existing naming conventions
  - Introduction of new naming conventions
- Maintainability
  - Evaluation of the maintainability of the application

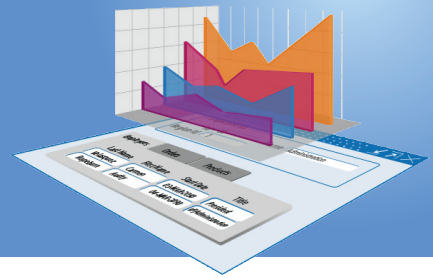
## What you get:

- *Optimization potential*
- *Detailed documentation*
- *Recommendations*

**Duration:** Results within a week

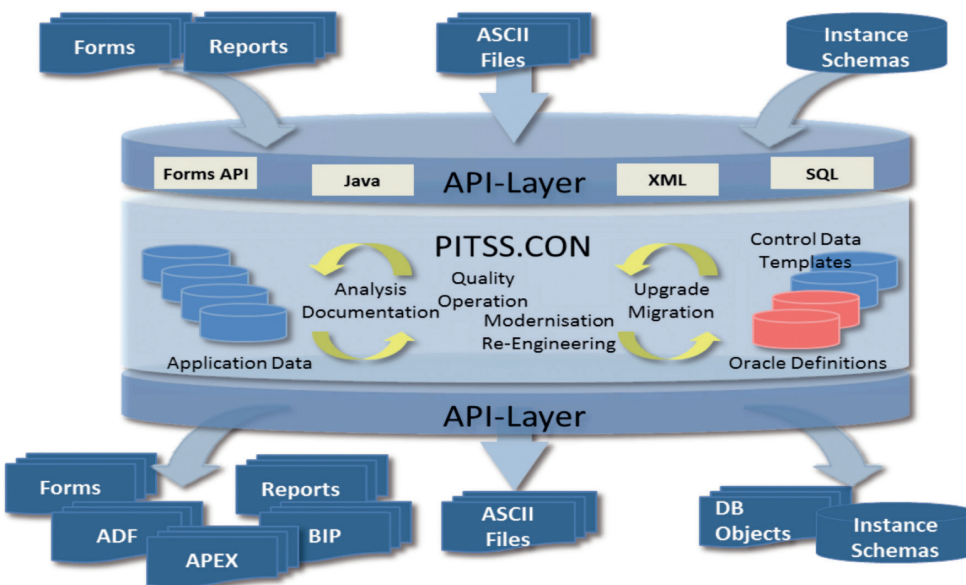
**Prerequisites:** Status Quo Analysis

# Our Tool-Supported Method



We load your application in the repository-based analysis tool PITSS.CON with the unique functionality of the module PITSS.CON Source Code Analytics (SA). In a parsing process, all the objects in your application and their dependencies are identified and made available for analysis.

Since PITSS.CON inspects the entire source code (forms, reports, libraries, database objects, scripts, etc.), the algorithms provide a very detailed insight into the structure, scope and complexity of the application.



## PITSS.CON Repository

- *Unique technology for the administration of every object and function of an Oracle application*
- *Data and figures for successful Oracle project decision*

**PITSS.CON Repository: The documented results of this analysis enable us to show you the optimization potential.**

With the PITSS.CON Repository, Oracle Forms and Reports applications of any size and complexity can be managed, developed and re-engineered. The heart of PITSS.CON is an innovative, unique Oracle-based repository that is able to understand and manipulate applications at the finest granular level. At the same time, 100% consistency and adherence to standards for the processed applications are ensured.

The PITSS.CON Technology Base is the underlying base technology for the entire PITSS.CON development platform that opens the way for a wide range of functions for the entire lifecycle management of Oracle applications.

## This is what PITSS customers have to say about the PITSS.CON analysis:

*„Thanks to the metrics from PITSS.CON Source Code Analytics, it is also obvious that our investments in the constructive quality assurance are paying off and with our development we are optimally positioned for the future.“*

*DI Reinhard Stöger Team Leader IT Software Development LEAN IT Services,  
TPA Gesellschaft für Qualitätssicherung und Innovation GmbH*



PITSS is the leading provider of software & services for modernizing and effectively managing Oracle applications. With over 1,000 customers and a multitude of successful Oracle projects PITSS has gained international recognition.

### PITSS.CON

The high performance software solution PITSS.CON has been convincing for years in all areas and phases of Oracle Forms projects through a high level of automation, speed, efficiency and reliability. The module PITSS.CON Source Code Analytics supplies decision-relevant project results already in the starting phase.

### PITSS SERVICES

PITSS Services successfully supports its customers in Oracle IT projects with a customised Full Service Offer in the form of consulting, training, development, administration & support. The focus is on Oracle themes, Oracle databases and Fusion Middleware such as: Forms & Reports, SOA, WebLogic Server, Single Sign-on (SSO), Java, ADF, APEX, upgrade, migration, reengineering and web development. PITSS Services demonstrates the best expertise, well-founded knowledge of applications, high project experience and a strong and targeted project management. PITSS Services advisors are Oracle (OCP) certified.

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