

## **Investment protection in Oracle** Forms

Get a clear picture of your application through PITSS.Analysis

Patrick Walther, Manager Consulting

London, 6. May 2015



The Oracle Modernization Experts

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PITSS: The Oracle Modernisation Expert



< Sites: Germany (Stuttgart, Bielefeld, Wolfratshausen), UK (Milton Keynes), USA (Troy, Michigan)



- < Oracle Gold Partner
- < Member of OMA Oracle Modernization Alliance
- < Oracle Forms Migrations Partner
- < Oracle Forms Beta-Tester
- < More than 15 years experience with Oracle Technologies
- < More than 500 completed executable migration projects
- < Customers in more than 50 countries







ORACL

Gold

Partner



# The ORACLE<sup>®</sup> Specialist

- More than 15 years of experience with
   Oracle technology
- Oracle Status:
- Oracle Gold Partner
- Oracle Independent Softw



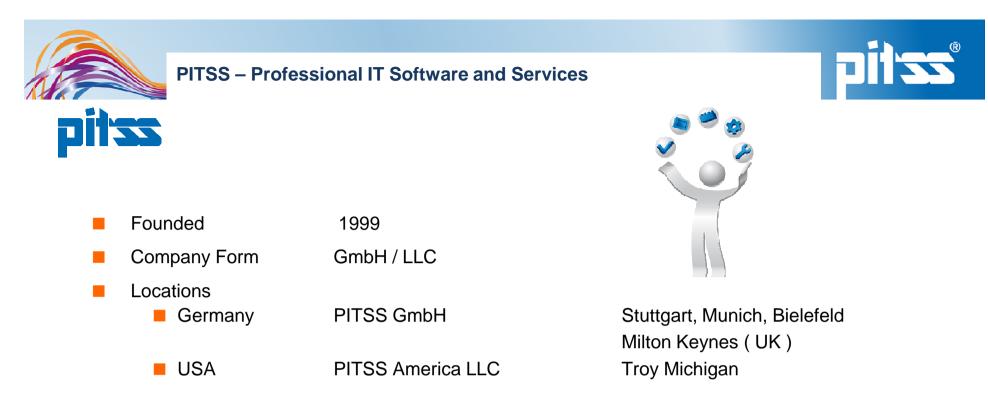
- Oracle Preferred Migration Partner
- Oracle Forms Beta-Tester
- Customer around the world

PITSS GmbH	PITSS America L	LC
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Oracle Partner with more than 20 years of experience in Oracle technologies

ORACLE<sup>®</sup> Gold Partner

- Member of OMA (Oracle Modernization Alliance), "preferred" migration partner
- Flagship solution PITSS.CON
- Expertise > 500 Oracle Forms projects, customers > 30 countries globally
- Memberships















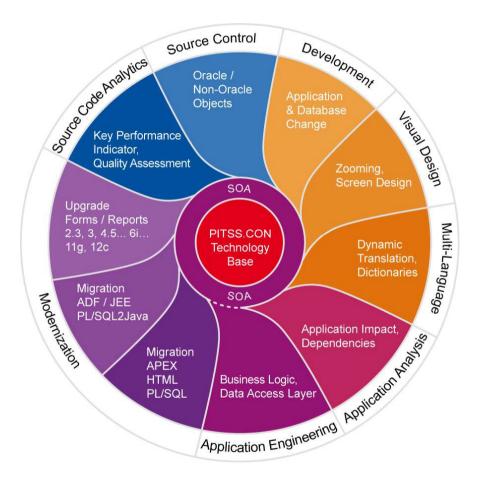






- Technology Base
- Maintenance / Development
- Visual Design
- Multi Language
- Application Analysis mechanisms
- Application Engineering for SOA
- APEX Assistant
- ADF-Assistant
- Automatic upgrading / migration
- Source Code Analytics
- Source Control







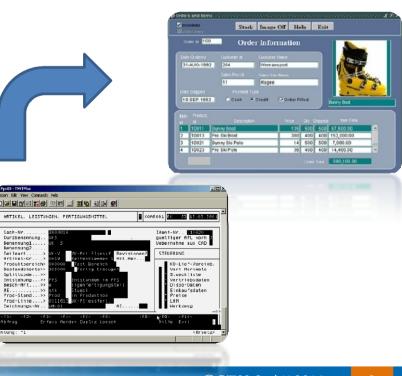
#### My Ladder

- Very old
- Build by my Grandpa
- Not very well maintained



#### Oracle Forms

- Could be Very old
- Could be Build by my Grandpa
- Could be Not very well maintained





pilss



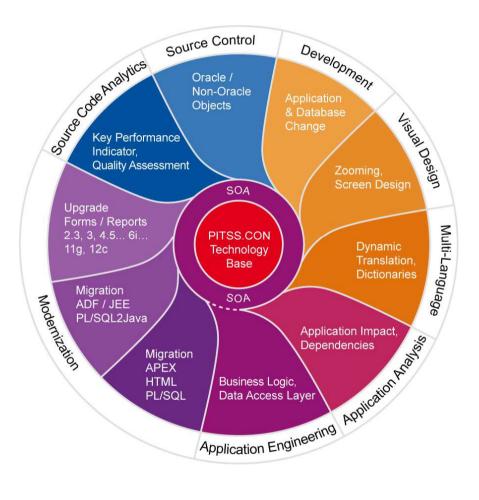


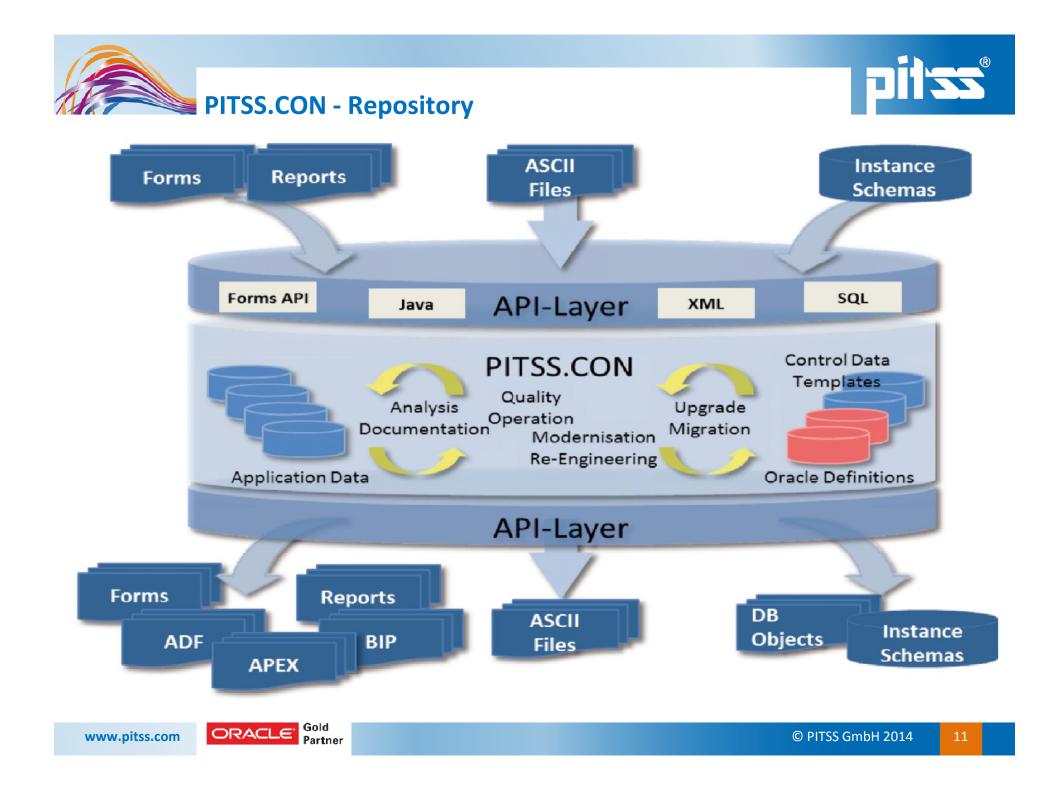




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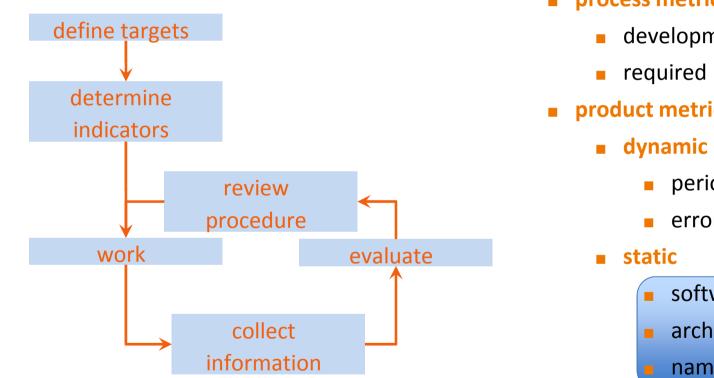






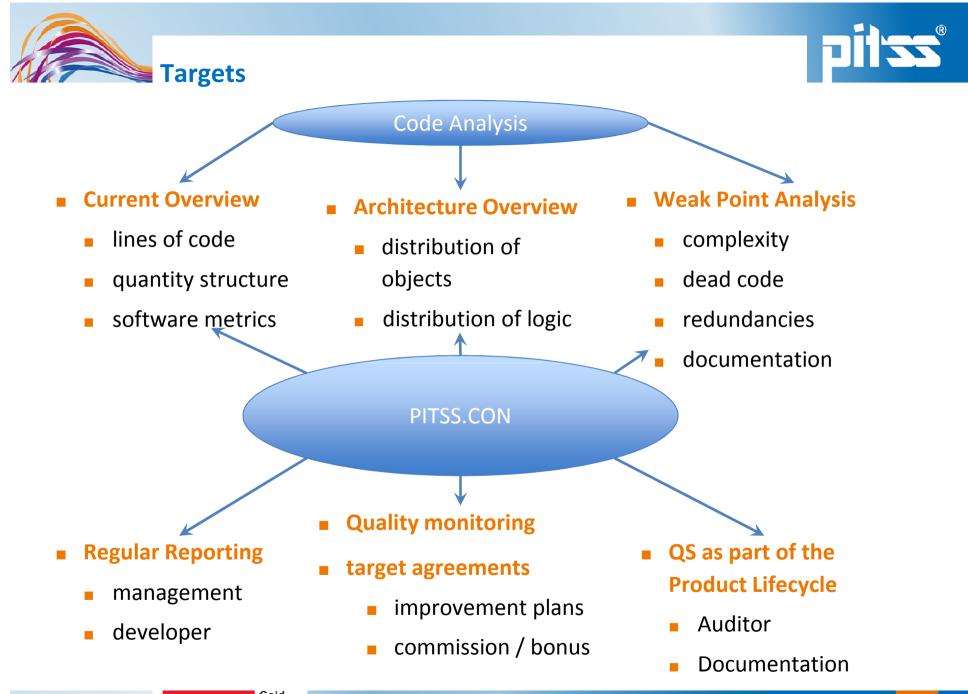


Quality is defined according to the standard EN ISO 9000:2005 (the valid standard to quality management), as "rate, in that a set of inherent (measurable) features fulfils requirements ". Source: Wikipedia

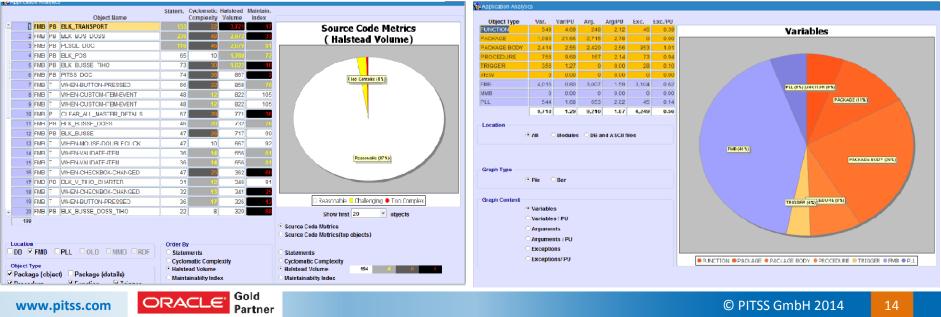


- process metrics
  - development time
  - required resources
- product metrics
  - period
  - error count
  - software metrics
  - architecture
  - naming conventions



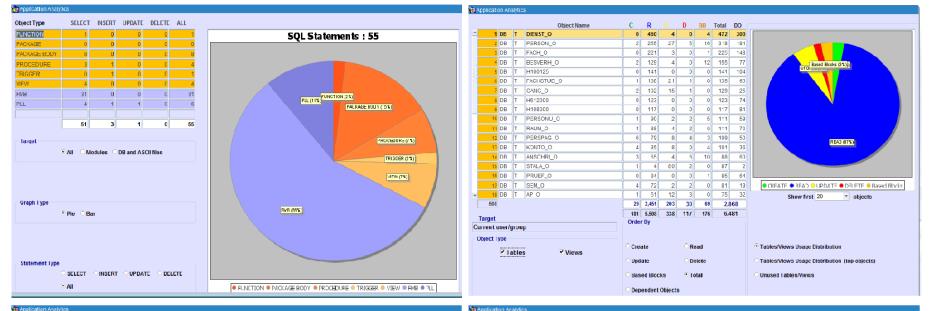


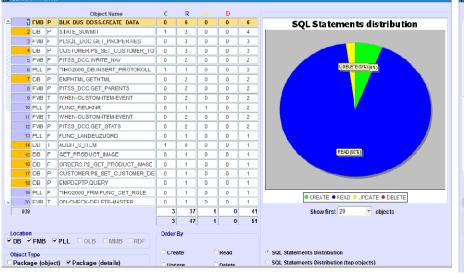
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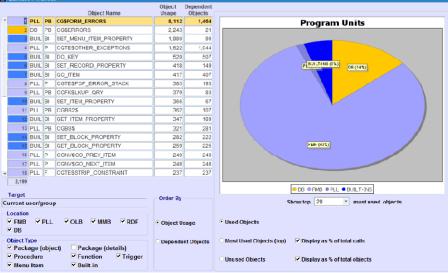






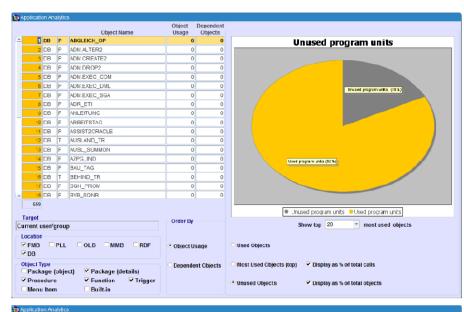


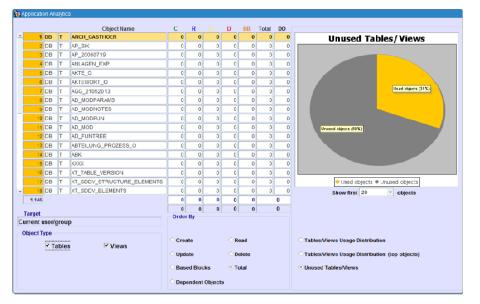


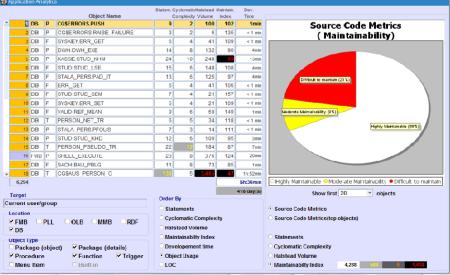












#### Scientific accepted software metrics

- Halstead
- McCabe

Maintainibility

#### Standard Metrics

Statements







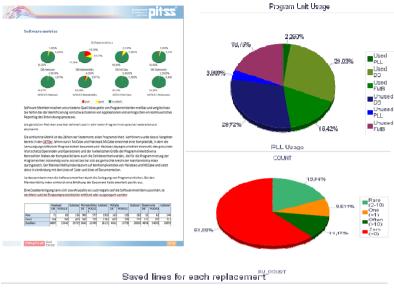
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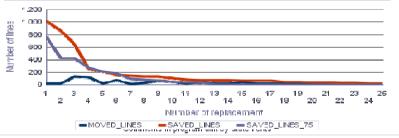




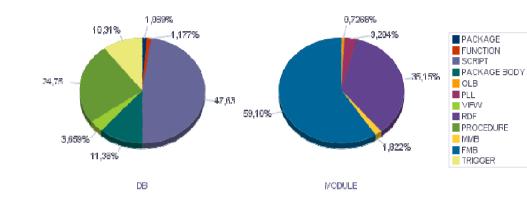


#### **Results in one document and one presentation**



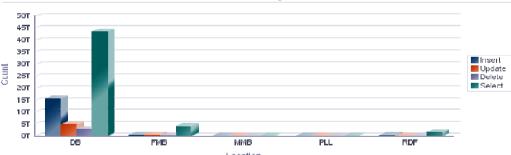






Business Logic

Source Code Distribution



Location

Step	Group	Туре	Time to fix [h]	Count	Technical Debt [h]
1	Remove Global Variable:	1 times used	0,08	17	1,42
		2 times used	0,25	25	6,25
2	Remove Unused Objects:		8,00	1	8,00
3	Redundance (>3):		0,25	71	17,75
4	* Split and doc.:	Maintainibility DB	0,50	438	109,50
		Maintainibility MODULE	0,50	151	37,75







- identify weak points
- stop the development and process weak points
- control of results
- Implementation of Quality Management
  - identify weak points
  - plan time and improvement in defined intervals
  - control of results and plan the next interval
- "Good to know"
  - improvements are executed, if resources are once availabe









- reduces maintenance costs
- accelerates development process
- reduces error probability
- ensures that you can handle the application

#### Reduces training periods

- new employees
- replacements (holiday, sickness)





Benefits of PITSS.CON within the Quality Management

- PITSS.CON considers the whole application
  - Forms (FMB, MMB, PLL,OLB)
  - Reports (RDF)
  - Database (Tables, views, procedures, functions, packages ...)
  - SQL Files
  - C, ProC, Cobol Code
- Repeatable tests
- Check and implementation of coding standards
- Supports code reviews (especially important at outsourcing)
- Completes the documentation of the application















### Vielen Dank für Ihre Zeit.

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