

# PITSS.CON Application Engineering

## Getting the best out of Oracle applications

With PITSS.CON Application Engineering (PITSS.CON AE), Oracle Forms and Reports applications can be prepared to meet any technology modernization challenge. Whether the target is Oracle Forms and Reports 11g, ADF, APEX, or another technology, PITSS.CON AE will help you get your application there safely and within budget. More than a decade of experience in hundreds of successful Forms migration projects has been distilled into a unique and powerful suite of modernization processes. The resulting step-by-step, guided methodology is intended to reduce the risks by implementing service-oriented principles in Forms applications such as increased connectivity and maximized reuse, for instance by exposing business logic as Web service and reusing it in ADF, Forms, and any other technology.

### Seamless Forms Migration to SOA

PITSS.CON Application Engineering is part of a complete, end-to-end application lifecycle product suite designed for Oracle Forms. It enables developers to reap the benefits of SOA by evolving applications in the most effective, efficient way, allowing Oracle Forms to co-exist with new, modern applications while ensuring complete protection of your Oracle Forms investment.

### Cleaning unused objects – Migrating only what is useful

Thirty percent of Forms applications objects are obsolete. This proportion can run even higher for Designer-generated modules. Chasing these obsolete functionalities through thousands of files can be a frustrating game. Not with PITSS.CON. With just a mouse click, PITSS.CON searches the entire application and generates comprehensive reports. Reducing the logic by thousands of lines of code leads to significant savings in maintenance and development costs and allows modernization efforts to be targeted at the pure core functionality — 30 percent less code means 30 percent lower costs.

### Reusing source code – Modernizing without re-inventing the wheel

The source code is the heart of an application. It encapsulates years of development and business-critical know-how. Protecting this asset within a new architecture is an essential part of any modernization strategy. PITSS.CON re-architects the application to optimize source code reuse. The Redundancy Analysis component identifies similar program units and groups them in central libraries. Transferring the data access layer and business logic to the database makes the business logic independent of the user interface. This measure prevents extensive code rewrites with every future user-interface modernization and accelerates the process of migration from Forms to ADF, Java, or any other user interface.

### Compatible with the Future: DAL & Web Service Wizards

Connectivity and compatibility are the keys to an open architecture. Preparing database applications for the future also means applying these service-oriented architecture (SOA) principles. PITSS.CON Application Engineering has developed wizard-based tools that safely apply these principles to even the most complex applications. Its DAL (Data Access Layer) Wizard simplifies data manipulation by generating a central access layer, remapping this layer to the application. Web Service Wizard automatically generates Web services for the newly created database program units, allowing orchestration with internal and external services within a BPEL or BPM process. The result: a smooth, seamless evolution from Oracle Forms to SOA.

### PITSS.CON Data Sheet

Technology Base  
Development  
Visual Design  
Multi-Language  
Application Analysis  
**Application Engineering**  
Forms to APEX  
Forms to ADF  
Forms Upgrade  
Source Code Analytics  
Source Control

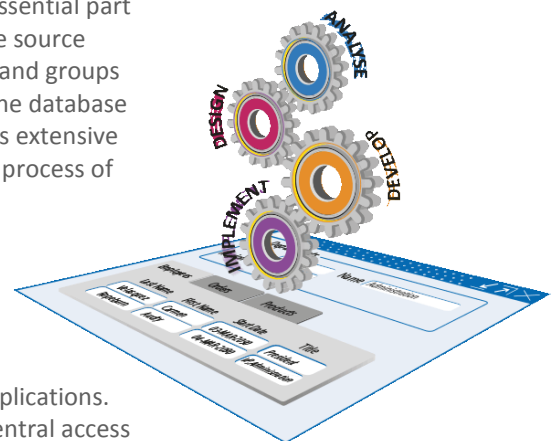
► **Protect the investment** in Forms, porting module's business logic to the database.

► **Reduce 35% of module size** and complexity for typical Forms & Reports applications.

► **Simplify Forms applications** identifying and removing any unused or redundant object.

► **Go service-oriented** exposing the stored business logic as Web services.

► **Design Data Access Layers** with wizard-based tools for better connectivity & security.

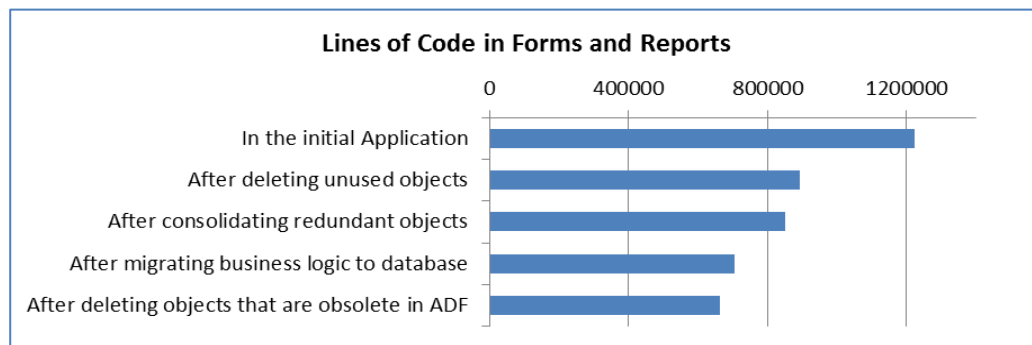
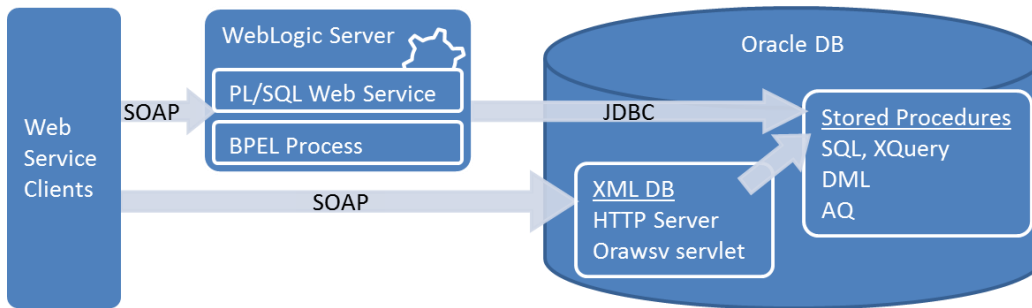


PITSS.CON is Oracle endorsed for the modernization of Oracle Developer applications

### PITSS.CON Application Engineering at a glance

Service-oriented architecture (SOA) is a philosophy that defines the interaction of entities, in most cases of Web services. The main challenge is to migrate existing applications to this new environment and to enjoy the benefits of SOA without having to completely rewrite the applications.

PITSS.CON is designed specifically for Oracle Forms. PITSS.CON Application Engineering assists with the process of extracting the business logic and data access layers from the Forms modules. The logic that has been encapsulated in Forms processes can then be used in a variety of applications, for instance as Web services:



### PITSS.CON AE:

▶ Allows a faster time-to-market and improved responsiveness.

▶ Streamlines the application maintenance by separating the user interface, process, and logic.

▶ Offers a series of benefits by moving the business logic to the database:

- the migrated database code can be reused by other applications directly or exposed as Web service;
- the Forms application will be simplified and therefore easier to migrate to other technologies like Oracle ADF or APEX.

▶ Offers methods and no philosophy: In a real-life migration project from Forms to ADF 11g, alone by reducing the lines of code by up to 45% has generated significant time savings and costs reductions (see left-hand chart).

### About PITSS

PITSS is the leading provider of software & services for modernizing and effectively managing Oracle applications.

The PITSS Group was established in 1999 and has gained international recognition with over 1,000 customers and a multitude of successful Oracle projects. PITSS is an Oracle Gold partner and, as a member of the Oracle Modernization Alliance (OMA), is the only Oracle Forms Migration partner for automated migrations. With sites in Stuttgart, Munich (Germany) and Troy (USA) as well as certified international partners, the company successfully provides support for IT projects of medium sized companies, large enterprises and public contractors across the globe.

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