SoftBASE

➔ **Upgrade of 1450 Forms to level 12c - combined with new look & feel plus addition of integrations and workflow functionality**

Customer:
Pennant International plc operates worldwide, with offices in Europe, North America and Australasia. The Group exports a range of technical solution to the defense sector. This includes the OmegaPS suite, an advanced Integrated Logistic Support application

Oracle products:
Weblogic 12c
Forms/Reports 12c

Project scale:
1450 Forms
270 Reports
90 days

Solution:
Value-adding upgrade, now consenting with the general GUI's in a Web 2.0 environment

About SoftBASE A/S
http://www.softbase.dk

Copenhagen based ISV offering tools for Forms and APEX

Credits:
David Cleverly
Technical manager
Pennant International

ORACLE PARTNER

**Chris Mair, General Manager at Pennant International Ltd Fareham**
The OmegaPS LSAR Software suite is an Internationally recognised industry strength Integrated Logistic Support (ILS) application, developed over 28 years and include additions of functionality and further compliance with military standards worldwide.

The system is implemented into complex environments and the policy has been to secure continuity, integration and safe upgrade.

The system currently deployed is an Oracle Forms & Reports and Oracle DB version 11 application including some additional APEX developed functionality.
The Forms Value-upgrade toolset from SoftBASE neatly matched Pennant's policy and allowed us to accelerate modernization of the look & feel of our forms and add components for screen reporting, integration and workflow. Concurrently the system was upgraded to Forms version 12.

The project was handled remotely via a development system at the SoftBASE hosting centre accessible to Pennant staff for testing and QA.
In excess of 1400 forms were upgraded, some with complex embedded code and all completed within the agreed time-frame of 90 days.
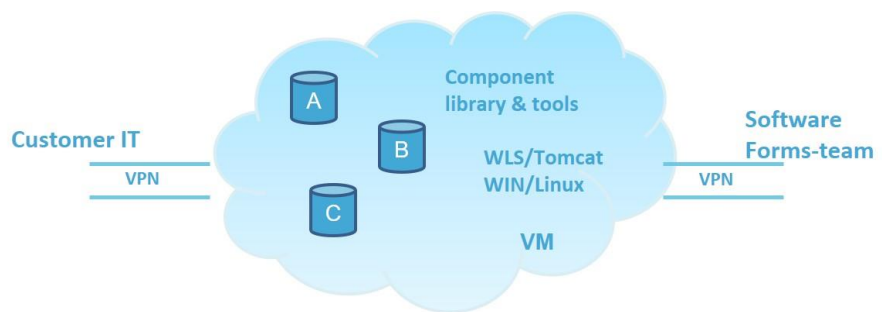
Environment setup
The process was performed on a hosted development server for Forms version 12.2.1.3, delivered by SoftBASE through its Hosting center. The Server was connected to the Customers LAN through a Site-Site VPN and acted as an extension/outsourcing of the customer's development environment. The agility of the project was achieved through on-line web meetings and simultaneous access to the code.

The process
The process consisted of an automated script, using the JDAPI, resizing the frames and objects of the Form, and at the same time as a tuner for the Forms internal objects, including spelling of libraries, Visual Attributes, Canvases, Windows and Items.

Afterwards the "Value Upgrade" objects as well as Productivity Objects were added through Libraries, and Object Libraries were added without changing any existing code.

Entire process plus refinement post-upgrade sums up to 10-20 minutes per form.

Business Benefits
The application is again a part of the Oracle family of supported Tools and is prepared for the future. The modern look and feel of the application improve user experience. The productivity Tools make every day work for the user faster and lighter, including reporting, navigation and workflow. The cross-product workflow enables using APEX as an integrated part of the application, making reporting and analysis state of the art.

Technical Highlights
Below three examples of before and after, including the resizing, color schemes, toolbar. Please note the new icons for workflow and side menu.

Old   **New**

The Startup Form resized to fit High definition Screen resolution.
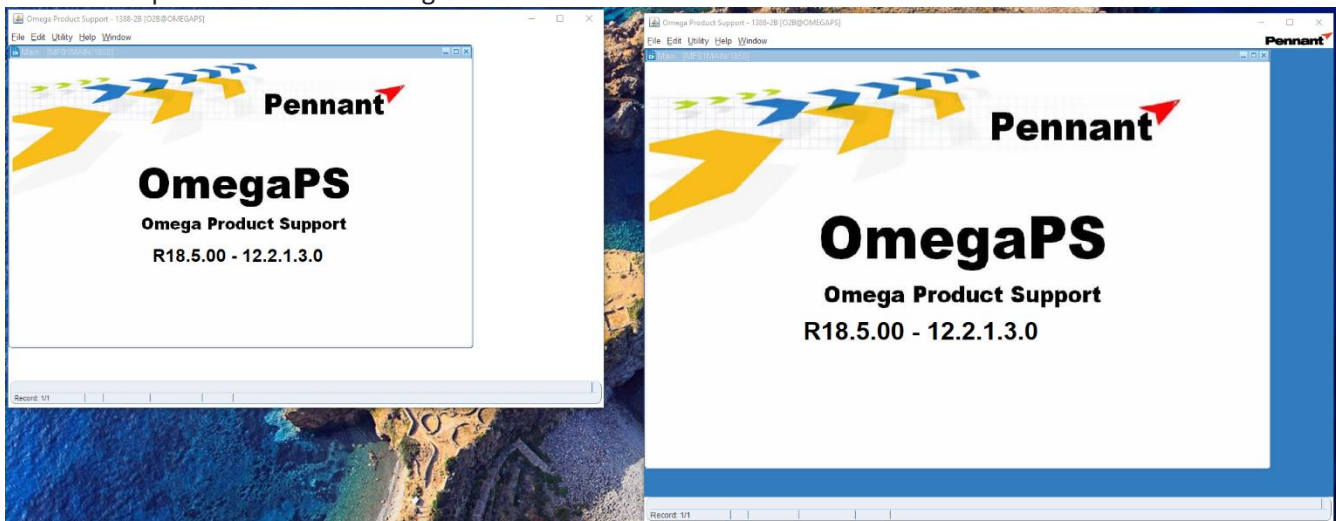
The project select screen with new toolbar and color scheme for modern design. Notice the modern icons, as well as new buttons for Workflow and side menu. The Workflow being disabled, as no workflow is yet defined for the team and screen.
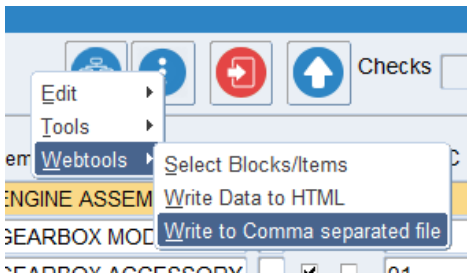
The workflow disabled and the side menu active.
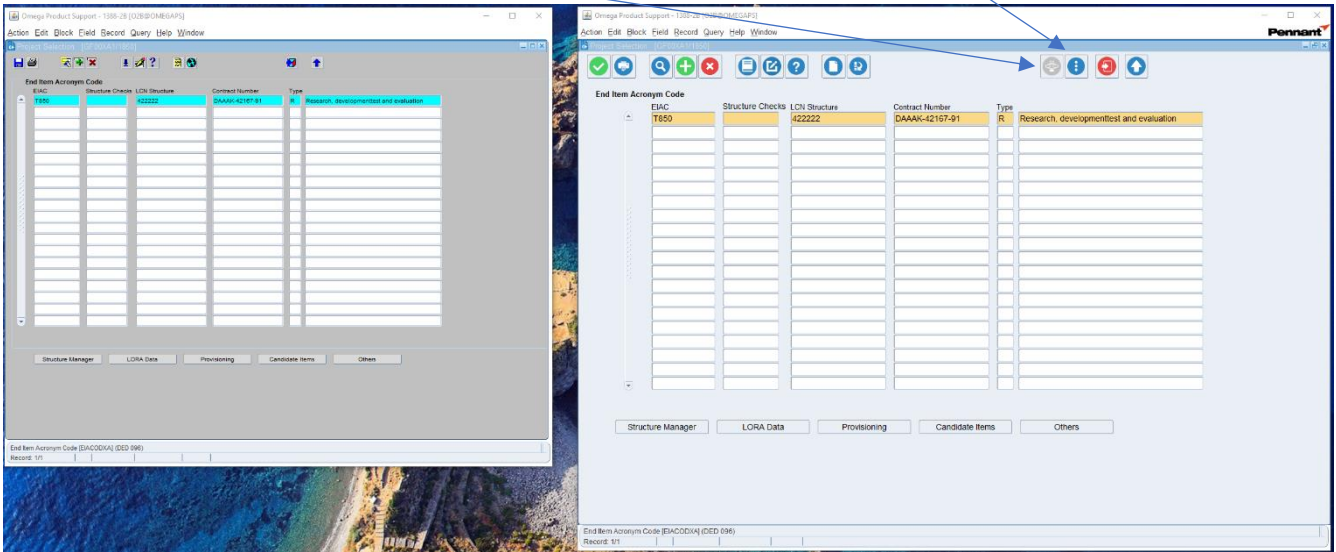
The structure manager with the new toolbar. Here the workflow is active for the team using the screen.
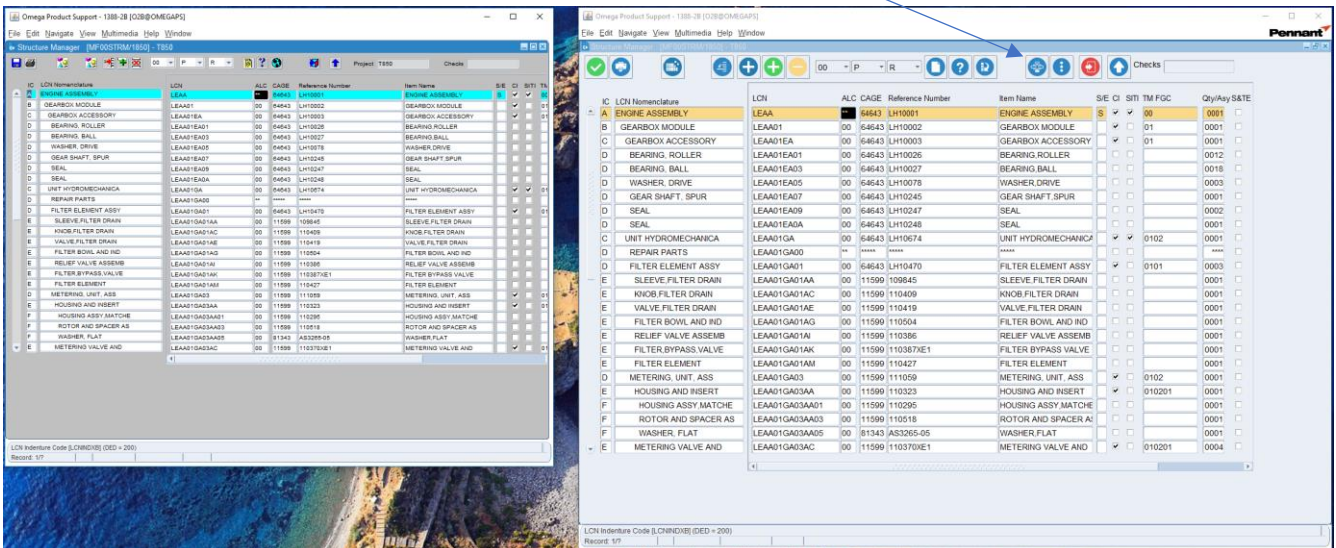
A part of the productivity Tools, the screen reporting

Opening automatically and nicely formatted in Excel. This addition for screen reporting enhanced user-productivity is available in all screens.

The side menu is dynamic per screen/module and team, making navigation fast. Notice the search item.

All Objects are native and compatible for future versions.