



# BPT Accelerator Testing & Documentation Suite for Oracle 11i

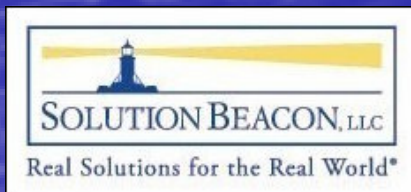
Rexel Inc. - Case Study

presented by:

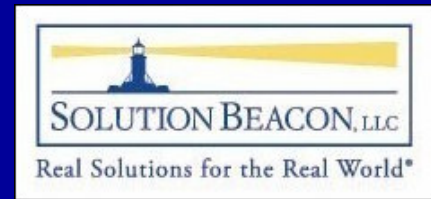
Martha Smith  
Project Manager, Solution Beacon

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# Client Profile



## ◆ Electrical Distribution Company

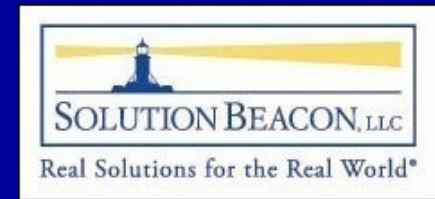
- 1967: Creation in France of CDME, later renamed Rexel.
- World Headquarters – Paris, France
- N#1 worldwide network in the distribution of electrical parts and supplies with a 7% share of the market
- Owned by: MLGPE , Eurazeo and CD&R
- Operations in 24 Countries with 1,686 locations
- 2005 Revenues: \$7.4 billion Euros.  
(38% from the Americas, 54% from Europe, 8% from Asia-Pacific)
- 22,000 employees worldwide

\*As of January 25, 2006



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# Oracle System Profile

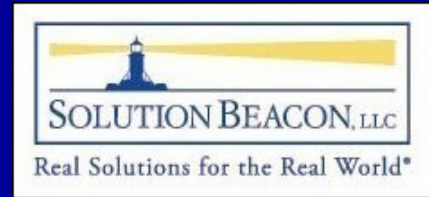


## ◆ Running Oracle 11.5.9+

- Oracle Customer since 2000
- Modules: OM, INV, PO, Pricing, PRJ, AR, AP, FA, CM, Treasury, Incentive Comp, iStore, and GL
- Single Production Instance – Hosted and Supported In-House
- Highly Customized Environment: most customized: Order Management, Projects, RPM (in development)
- Multiple 3<sup>rd</sup> party applications interfaced to Oracle – (NOT automated To Date)
- Avg User Load:174                      Peak User Load:713  
Named Users:1162



# Oracle Testing Environments

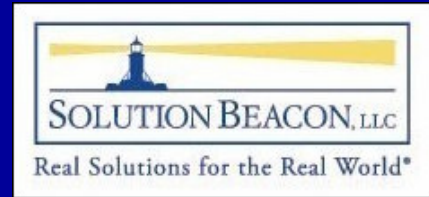


## ◆ Multiple Testing Instances

- Unit Testing – Prod-DEV and Enhancement-Dev
- System Testing – Prod-TST and Enhancement-TST
- Regression Testing – Pre-Prod
- Promotion Progression: Dev, Test, Pre-Prod, Prod
- Hardware Environments Sizing: Approx 50% of Production Systems
- Synchronization to Prod done via Prod Refreshes – Cycle varies between 7 - 90 days



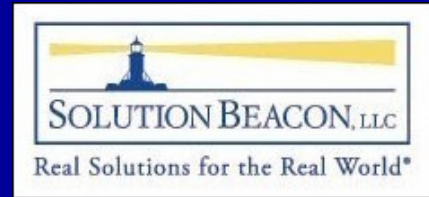
# Testing Prior to Accelerator



- ◆ Testing distributed throughout the various support groups
- ◆ Limited patching was done because of the customizations to Oracle and the resources available to sufficiently test the patches



# Accelerator Project



## ◆ Accelerator Modules Implemented

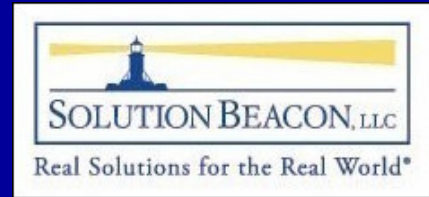
- OM, INV, SHIP, PO, AR, AP, FA, CM and GL

## ◆ Extensions / Customizations

- Oracle Order Management is very customized at Rexel, as a result Accelerator was built out to meet these testing needs
- The testing framework Accelerator promotes was used to build any additional components, test cases or test sets
- For all other applications additional test objects were build only based on Rexel specific business flows



# Accelerator Project

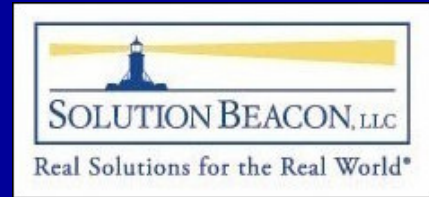


## ◆ Implementation Details

- Started 4/01/2006
- Phase I Implementation Completed 7/30/2006
  - ◆ OM, INV, SHIP, PO
  - ◆ This phase created coverage for about 75% of the manual testing that was being done
- Phase II Implementation Completed 9/30/2006
  - ◆ This phase created coverage for 90% of the manual testing that was being done
- 2 TurnKey personnel (1.25 FTE equivalent)
- 4 Solution Beacon personnel (2.5 FTE equivalent over the 6 month period)
- 1 Rexel personnel



# Accelerator Environment

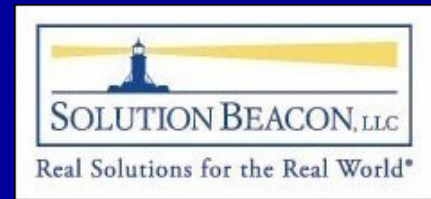


## ◆ Mercury Tools & Environments

- QC 8.2 – 20 Licenses
- 10 BPT Licenses
- QTP 8.2 – 10 Licenses
- All tools Installed and Supported In-House



# Accelerator Put into Use



## ◆ Cost Savings

- Expect to cut testing costs by 75% by using the automated solution

## ◆ On-going Accelerator Support Personnel

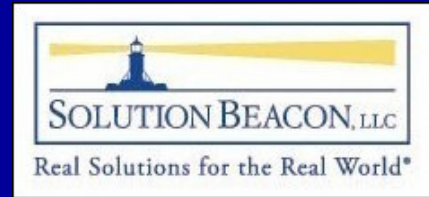
- Testing is Performed by 3 Rexel Resources (1 Internal, 2 Contract)
- These Resources Allocated at 100% FTE each
- No Test Automation Background

## ◆ Personnel responsibilities

- Work with development to understand the weekly changes being made based on production fixes and how this affects the test sets/cases
- Continue to develop additional test sets/cases for new functionality being developed



# Accelerator Put into Use



## ◆ Execution Metrics

### ● Patching

- ◆ Performed 1 time per Month
- ◆ Approx. 500 Test Cases in the Regression Test Sets
- ◆ Avg 2 data sets per Test case and per Test Set
- ◆ 10 Hours to Complete across 5 QTP Workstations

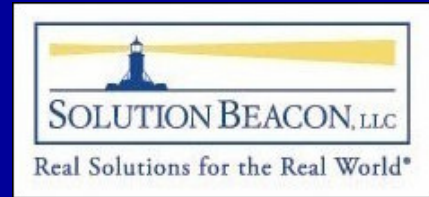
## ◆ Execution Metrics (cont)

### ● Mini-Packs / Customizations / Family or Maintenance Packs

- ◆ Performed 1 time per Quarter
- ◆ Approx. 500 Test Cases in the Regression Test Sets
- ◆ Avg 2 data sets per Test case and per Test Set
- ◆ 10 Hours to Complete across 5 QTP Workstations



# Major Testing Initiatives

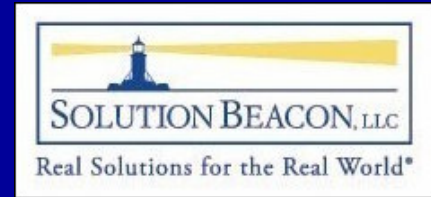


## ◆ Initiatives using the automated testing

- iStore patches
- 10G database upgrade
- OATM
- Oracle CPU patches
  - ◆ For each of these initiatives the automated regression tests are run in at least 4 instances
  - ◆ As issues are identified additional patches are identified and the automated regression tests can easily be run again after the additional patch is applied
  - ◆ For each of these initiatives the automated regression tests have been substituted for approx. 10 FTEs and 320 man hours over 2 weeks time.
  - ◆ The automated tests are run in under 10 hours



# Accelerator Testing Results



## ◆ Bugs / Issues

- Have found significant issues during Accelerator Testing
- Accelerator Testing has saved 20 Person-Hours per week in Re-Testing

## ◆ Time Savings

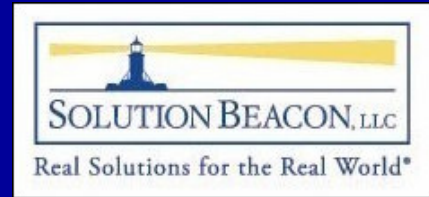
- Have Saved 40 Person-Days to Date

## ◆ Increased Testing

- Number of Patch Testing runs has Increased by 50%
- Number of Mini-Pack / Customization Testing runs has Increased by 75%
- Number of Family Pack / Maintenance Pack Testing runs has Increased by 75%



# Q&A



Thank you!

Martha Smith

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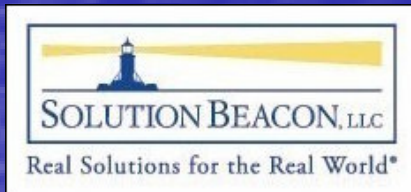
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