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# 42 real Life Examples of Fusion Middleware with Applications

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## 42 real Life Examples of Fusion Middleware with Applications

This nontechnical session presents real-life examples of how Oracle Fusion Middleware is used with Oracle Applications to show how to gain business value from Oracle Fusion Middleware. Last year, in "A Thoroughly Modern Customer," this session's speaker discussed the opportunity at a new organization and the rare chance to use the latest releases. In the real world, that opportunity is not available for most: cost and business restrictions mean that you can't "start from scratch." Your integration or security projects are more modest and may seem more minor than what is presented. This year's session showcases little projects that take you small steps down the road of Oracle Fusion Middleware and how they have helped users.



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# 42 Real Life Examples of Fusion Middleware with Applications

Debra Lilley Fujitsu

- Oracle Alliance Director and Fusion Champion for Fujitsu UK & Ireland
  - Oracle ACE Director, OCP & Oracle Masters
  - Oracle Apps since 9.4.1 (14 years)
  - President of UKOUG
  - 2008 Oracle Magazine Award 'User Group Evangelist of the Year'
-

To understand through examples that adoption of Oracle Fusion Middleware is about business value and does not need to be the 'big ticket' project.

# 42 – The Answer to Everything



## *The Hitchhiker's Guide to the Galaxy* by Douglas Adams

"Forty-two," said Deep Thought,  
with infinite majesty and calm.  
"The Answer to the Great  
Question, of Life, the Universe and  
Everything"

# Life, The Universe and Everything

- Yes, the white paper does have 42
- The presentation will concentrate on

## **Life, The Universe and Everything**

Almac – Global Life Sciences

CERN – European Organization for Nuclear Research

UK Public Sector Shared Services

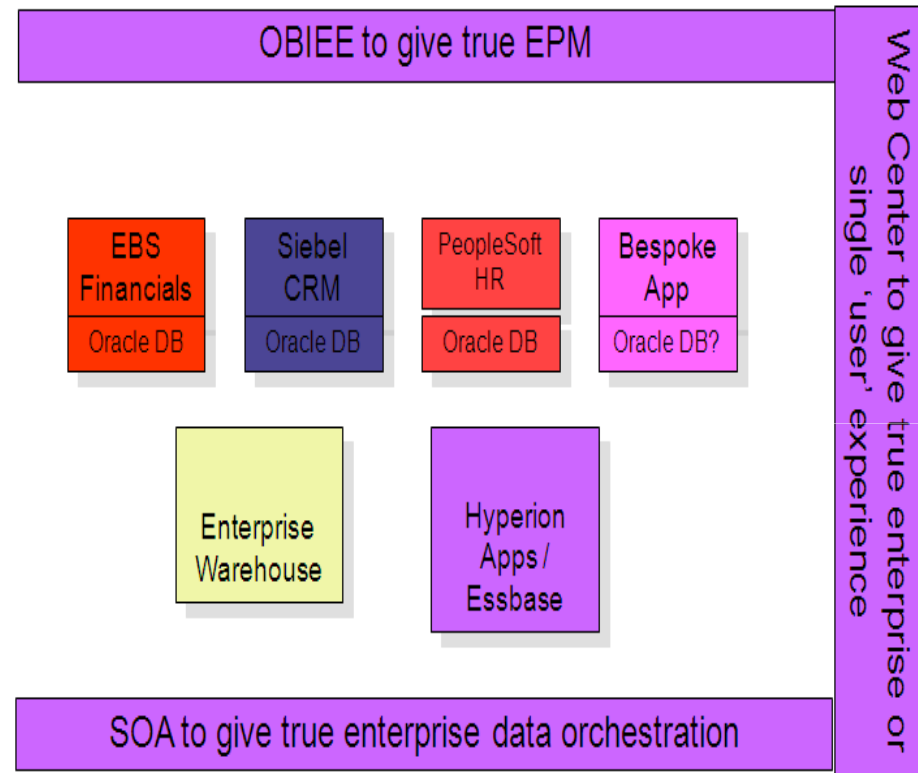
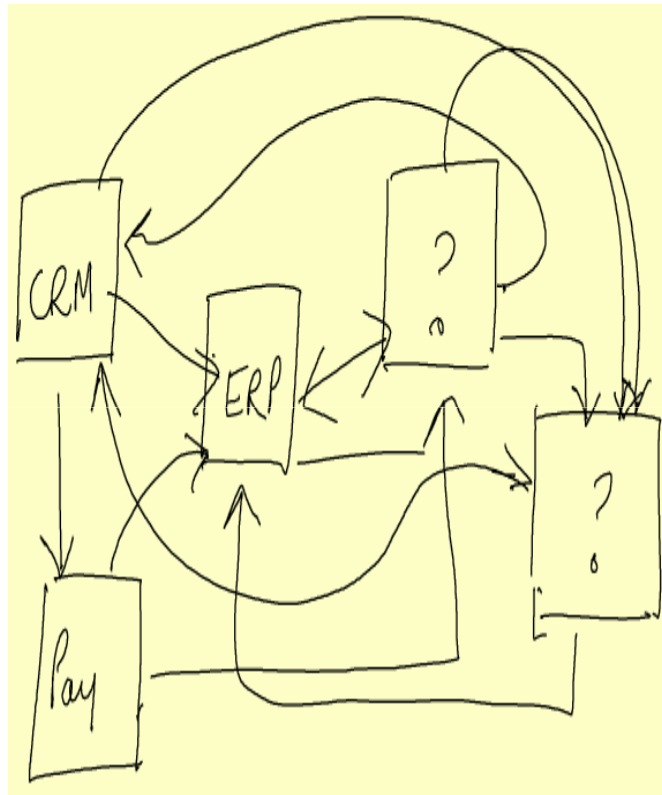
<http://www.fujitsu.com/uk/services/application-services/enterprise-applications/debra-lilley.htm>

# FMW– The Technology





# Fusion Technology for the IT Estate **FUJITSU**



From This .....To This

# When is Small Too Small?



EBS HCM  
11.5.10

Fujitsu  
Glovia ERP

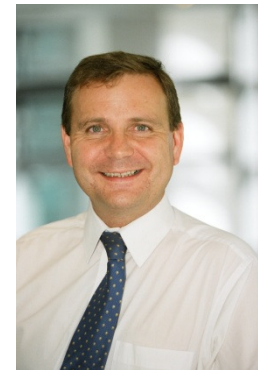
Bespoke  
Scheduling

- User gets set up in:
  - EBS when they join
  - Glovia when they first submit expenses
  - Scheduling when they first go out on a job
- Data not always matching, not timely
- Simple solution, quickly adopted when a new user entered in EBS, trigger sends email to admin of other 2 systems with user details
- Currently – SSO being implemented
- Planned – SOA for the actual ‘onboarding’
- Note, EBS is being used as Master Data Management

# FMW Adoption Strategies



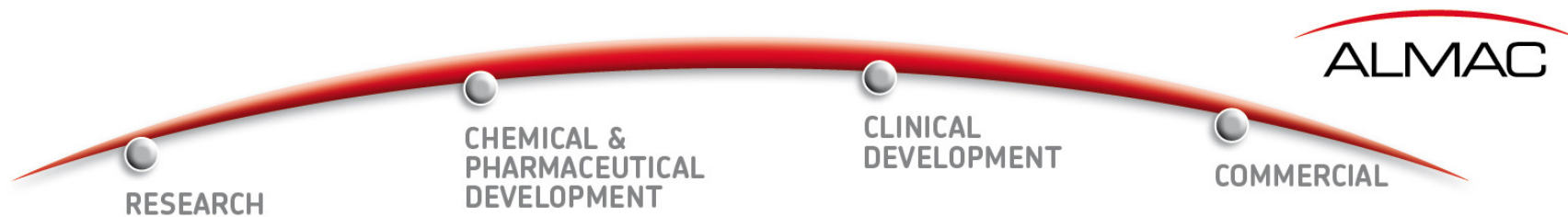
- Standardization of Mid Tier Architectures
- Rationalization of Integration
- Extending value of packaged Applications



Life (Sciences)

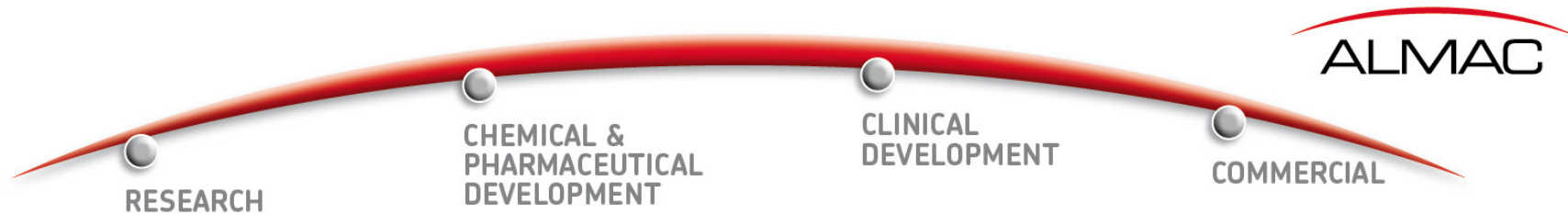


## Rationalization of Integration



## Portfolio of Services

Service	Craigavon	Audubon	Durham
Comparator Sourcing	****	****	****
Blinding (e.g. over-encapsulation)	****	** (**** in new facility)	N/A
Primary packaging	****	****	N/A
Labelling and Kit Assembly	****	****	****
Label Printing	****	****	N/A
Analytical Services	****	N/A (**** in new facility)	N/A
QP Release	****	N/A	N/A
Global Distribution	****	****	****
Drug Supply Management	** (**** from 2010)	** (**** from Q4 2010)	****
Pharmacy Services	N/A	N/A	****
Integrated IVRS	****	****	****
Returns and Destruction	****	N/A	****
Formulation and Development	****	N/A	N/A
Solid dose manufacturing	****	N/A	N/A



## **Experience**

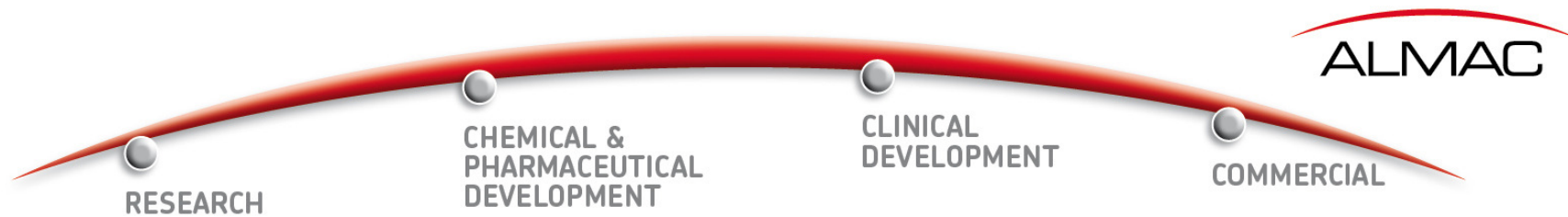
- ✓ Management of over 10,000 global studies
- ✓ Ambient, Refrigerated, Frozen, Cryogenic, and Controlled Drug

## **Global packaging capacity**

- ✓ MHRA Licenses/Letters of compliance for all sites
- ✓ US facilities approved by FDA and DEA
- ✓ >100 rooms dedicated to clinical supplies
- ✓ In-house label design and generation

## **Comprehensive offering to manage supplies**

- ✓ Comparator Sourcing
- ✓ Primary: Blinding, Encapsulation, Foiling, Bottling
- ✓ Secondary: Walleting, Labeling and Compilation of patient kits
- ✓ QP resource and consulting, dedicated analytical support
- ✓ Specialised: Inhaler Blinding/Placebo Conversion



## Global Presence

- ✓ Global distribution management (> 15,000 shipments/month)
- ✓ Audited and approved Depots world wide
- ✓ Returned material, accountability and destruction

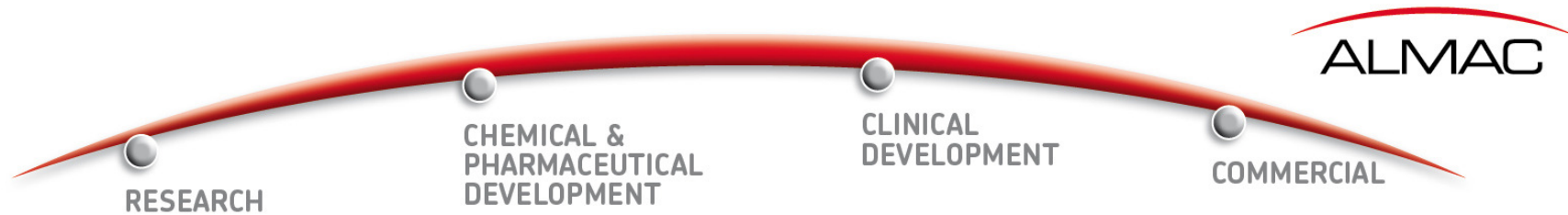
## Supply strategy, planning and oversight

- ✓ Supply strategy
- ✓ Design of initial and re-supply packaging campaigns
- ✓ Drug Supply Management
- ✓ Pharmacy services and expertise from our Durham site

## Extensive Project Management experience

- ✓ Dedicated project managers
- ✓ Global studies controlled by a master site
- ✓ Integrated IXRS management with





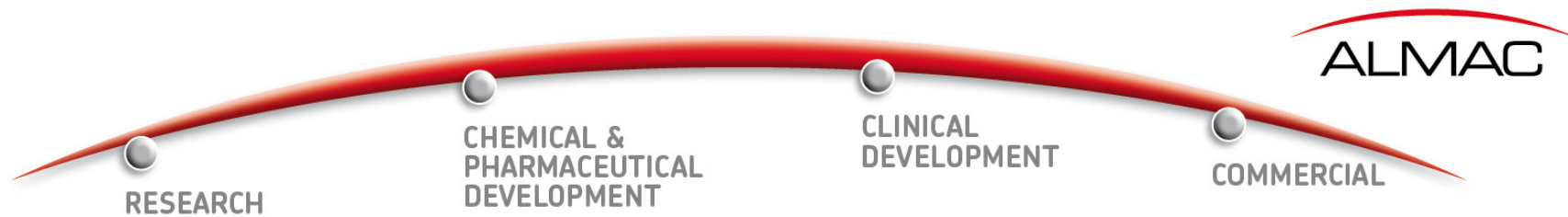
## Business Need:

Integration into EBS from other systems key to our business such as AutoShip, Site and Patient Management and DCRI (Duke Clinical Research Institute).

## Oracle Footprint

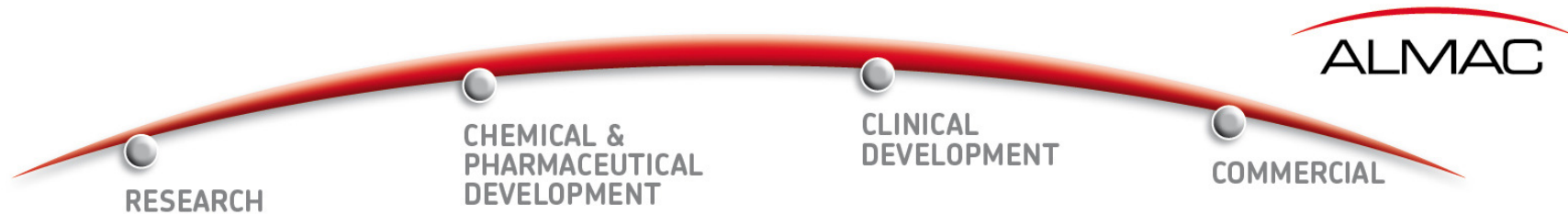
- EBS 11.5.10 and 12.0.6
- Multiple Enterprise DB licenses 10gr2
- Multiple Standard DB licenses 8i – 10g
- Multiple Standard Edition 1 DB licenses 10g + 11g
- Oracle RAC 10g
- OAS 10g
- BPEL 10g





## FMW solution:

- The AutoShip and SPM projects deal with data sent in from various (customer) sources in a range of different formats. In SPM we have individual BPEL processes to handle specific steps of the process and/or different files that we receive. This allows us to extend our solution relatively easy to include functionality for new file types, data sources and many more possibilities. AutoShip uses a similar architecture, but it addition also uses BPEL to assist in the construction and ftp data files.
- Some processes originally carried out using pure BPEL have now been rewritten to include reusable web servies.



## Next Steps

- The DCRI project is the third project to have BPEL as part of its solution. A lot of lessons learned from our first two projects will benefit this implementation greatly. For example, we know that although BPEL has a FTP component, it does not support sFTP. To work around this we will have BPEL interact with a web service that supports this protocol
- Recently we have been working with Almac Clinical Technologies (another division in the Almac Group) and exchanging the data formats we expect in order to interact with SPM and AutoShip. Almac Clinical Technologies will be using AutoShip for site creation and drug orders and using SPM for patient enrolment and resupply events. Even though both groups of services were developed independently, Clinical Technologies will be using them simultaneously to update the same set of protocol data in COSMOS

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