

Basel II:

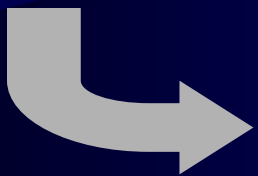
Risk Adjusted Performance Management

Presented by:-

Deepak Pareek

Three things we need for Basel II:

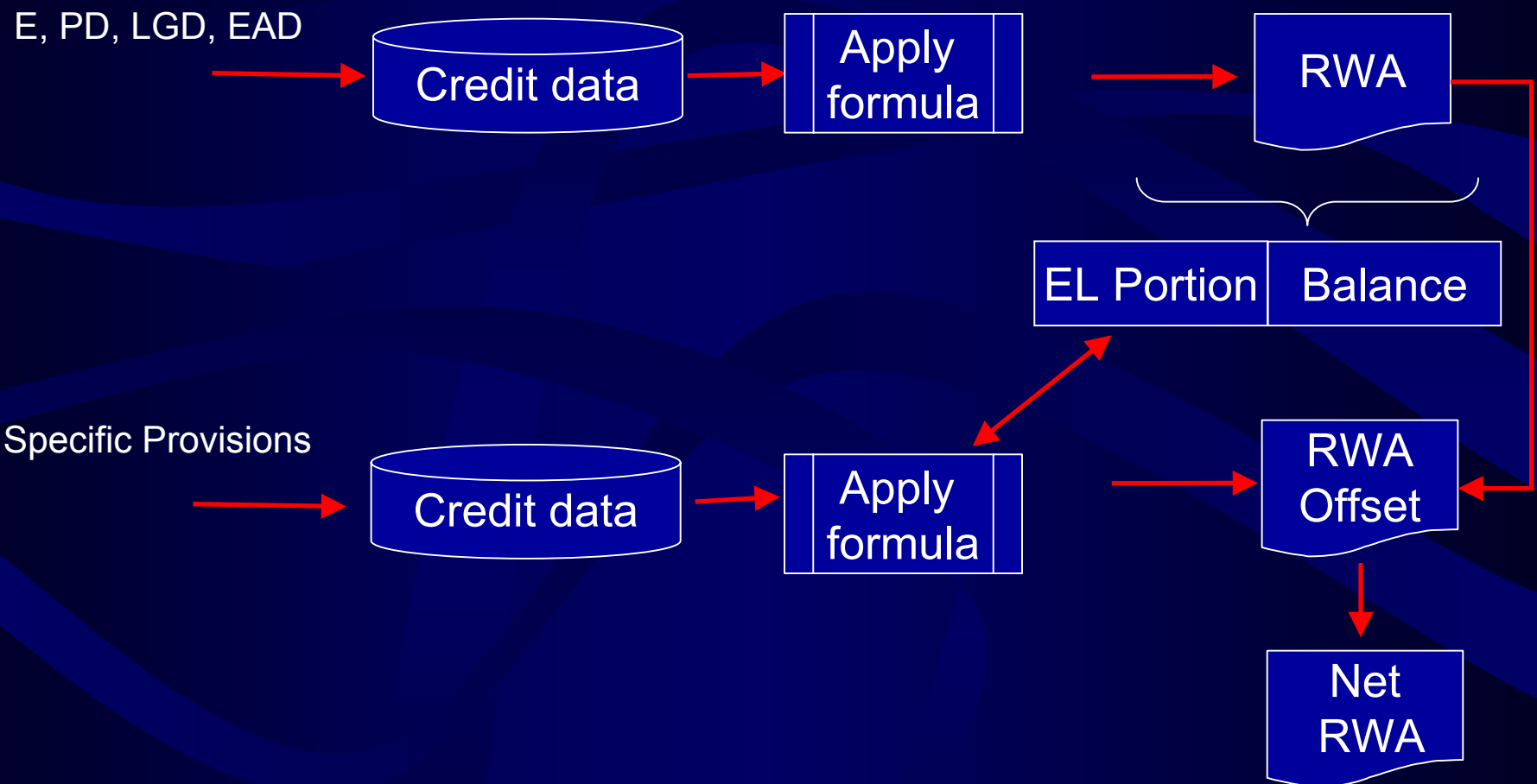
- Data (lots and lots of it!)
- Some models to manipulate the data, and
- A way of reporting that data and the resulting calculations



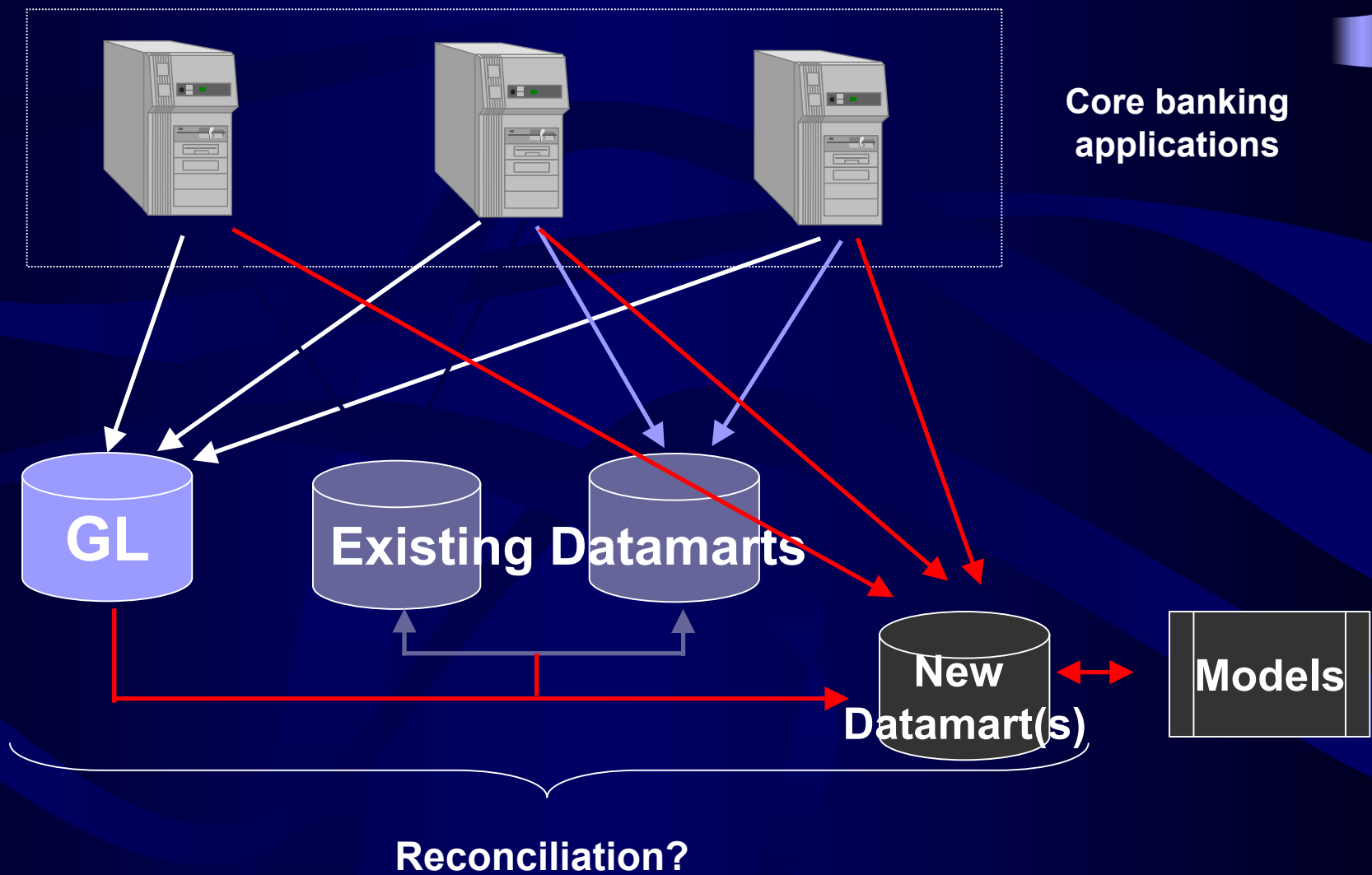
**Can we do this in an integrated fashion?
- “Single source of truth”?**

Re-use of derived data – a Basel II example

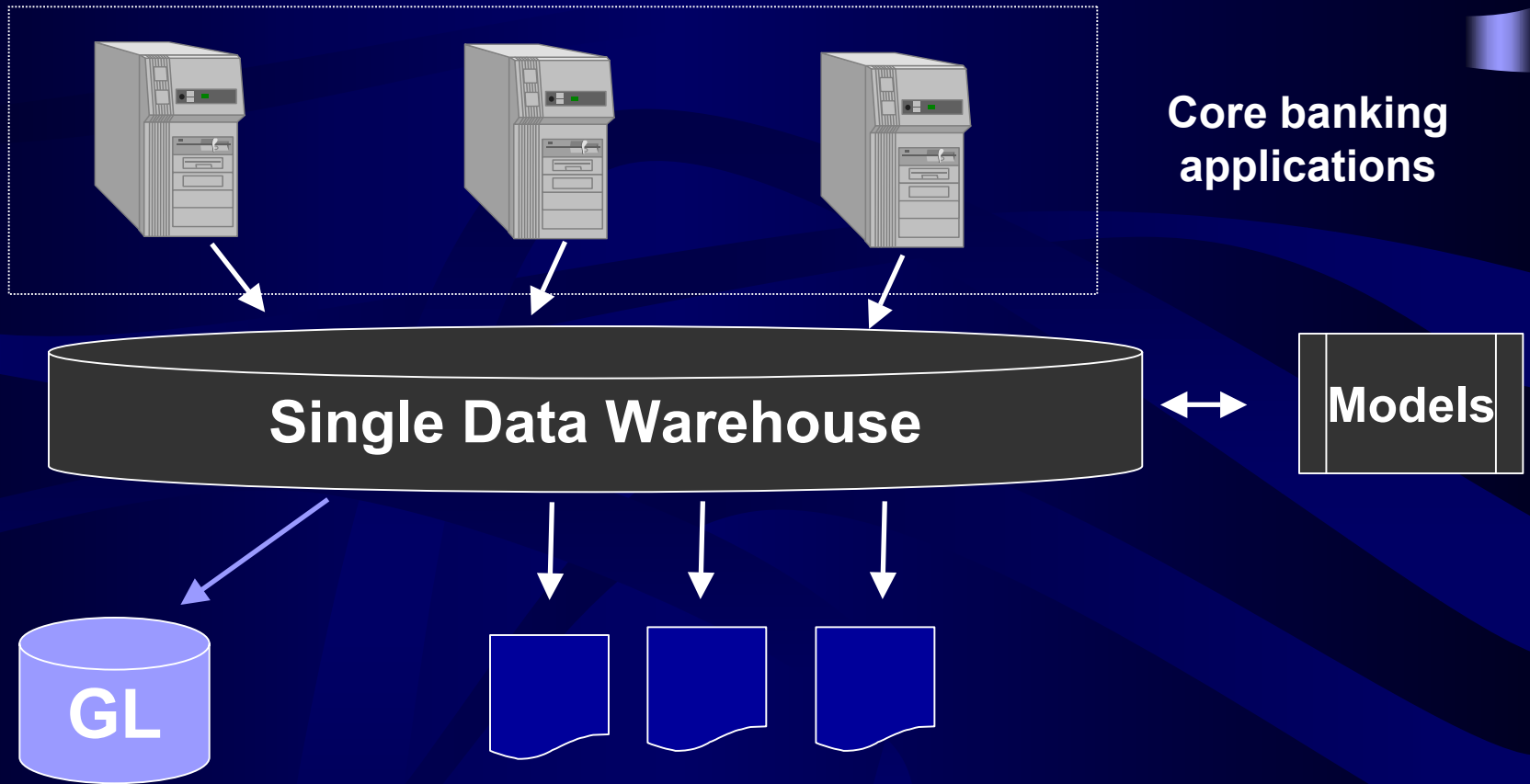
EG: Treatment of provisions under IRB approach



Traditional approach to new MIS requirements



Ideal Approach



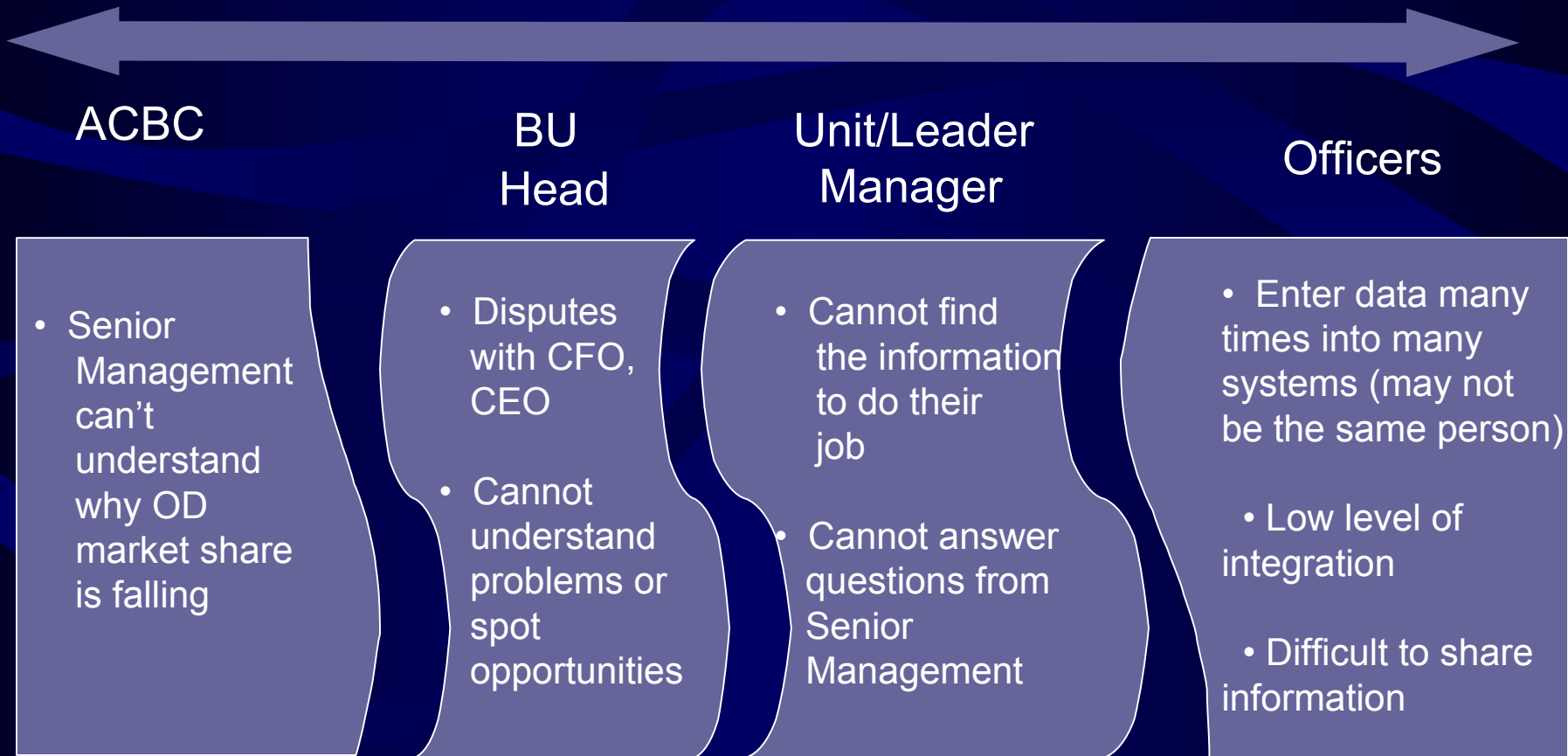
Principles

- Each piece of data is collected once, and only once
- Models to derive data attached to data warehouse, not elsewhere
 - E.g. Funds transfer pricing
 - Cost allocation
 - Risk capital calculations
- Derived data written back to the data warehouse

ACBC Case: Legacy Situation

- Historically data was an issue which limited the Bank's:
 - Operational Effectiveness
 - Organisational Effectiveness

EG: "Overdraft (OD) Market share falling"



“What’s in it for me?”

- FinaTech offered an integrated application and data solution:
Oracle e-Business suite + Global Data Warehouse (GDW)

**CFO,
CEO**

**BU
Head**

**Unit/Leader
Manager**

Officers

**Integrated
view of the
whole
organisation**



**The “big
picture” for a
business unit
can be seen
with the “drill
down
available for
individual
components**



**Managers
can access
key
operational
information
about their
units**



**Data
automatically
collected from
the source
system once and
stored in the
GDW**

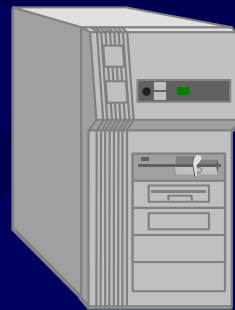
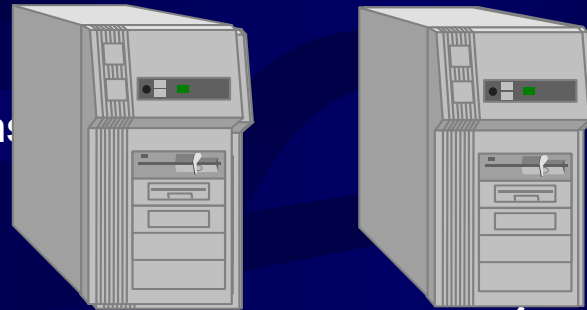
**Strong
correlation
between
management
and financial
information**

**Staff can extract
the information
they need from
the GDW**

“Plug and Play” architecture

New core banking applications

AMB banking applications



New GL, MIS etc

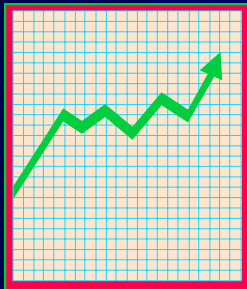
Scope

A program of work to deliver new functionality for ACBC in :

- General Ledger
- Management Information
- Human Resources
- Data Warehouse



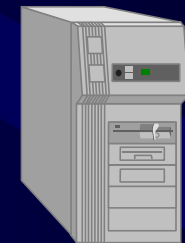
General Ledger



**Management
Information**



Human Resources



Data Warehouse

Management Approach

- Manage as a **Program** to reduce the overall risk and cost of the projects
- Cost reductions in Licence fees, consulting costs and Hardware realised
- Reduce risk and cost by pooling IT resources
- Single point of contact with Vendors
- Management of Project Interdependencies

Key Principles/Design Decisions

- Strong Business Sponsorship/Involvement
- Flexibility to manage interfaces through middleware
- Minimal development
- No customisation (alter core functionality)
- Use Oracle Integration wherever possible
 - Single E-business suite instance
 - Single E-business suite database
 - Shared server infrastructure

Program Objectives

- Deliver functionality for each system
- Manage synergies between projects
- Manage inter-dependencies
- Minimise business interruption

Selection Process

The Finance and HR departments assisted by **FinaTech**, independently considered a number of Application Vendors including:

- SAP
- Oracle
- Peoplesoft

The following Integrators were considered:

- Oracle
- IBM

The following Advisor & Consultants were considered:

- PWC
- FinaTech**

FinaTech chosen to roll out strategy and blue print.

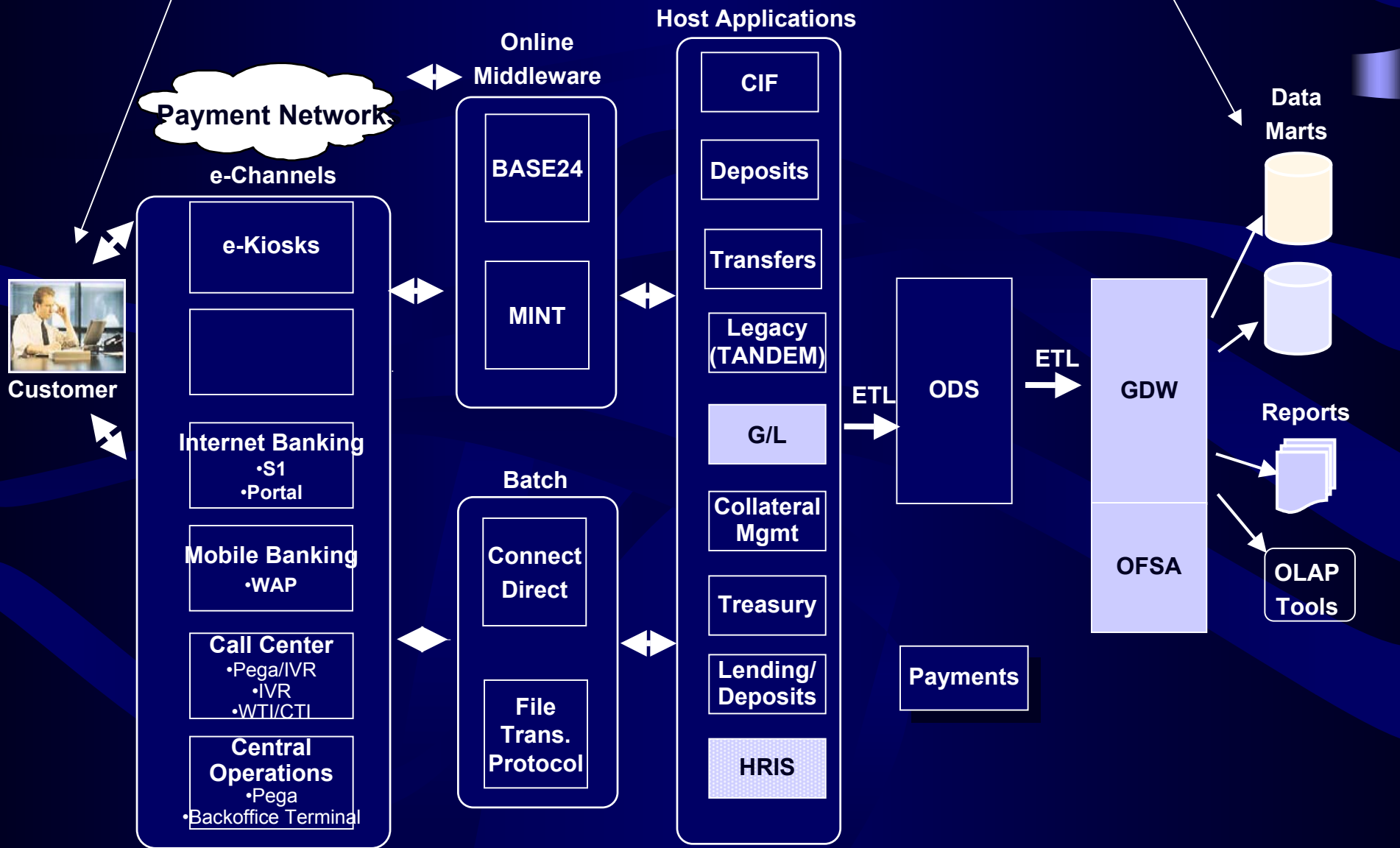
Oracle was chosen Independently for HR and Finance departments

IBM & FinaTech chosen to integrate HR and General Ledger

Oracle consulting chosen to integrate OFSA and assist with the implementation of the Global Data Warehouse (GDW)

Applications Scope

FinaTech Program Scope

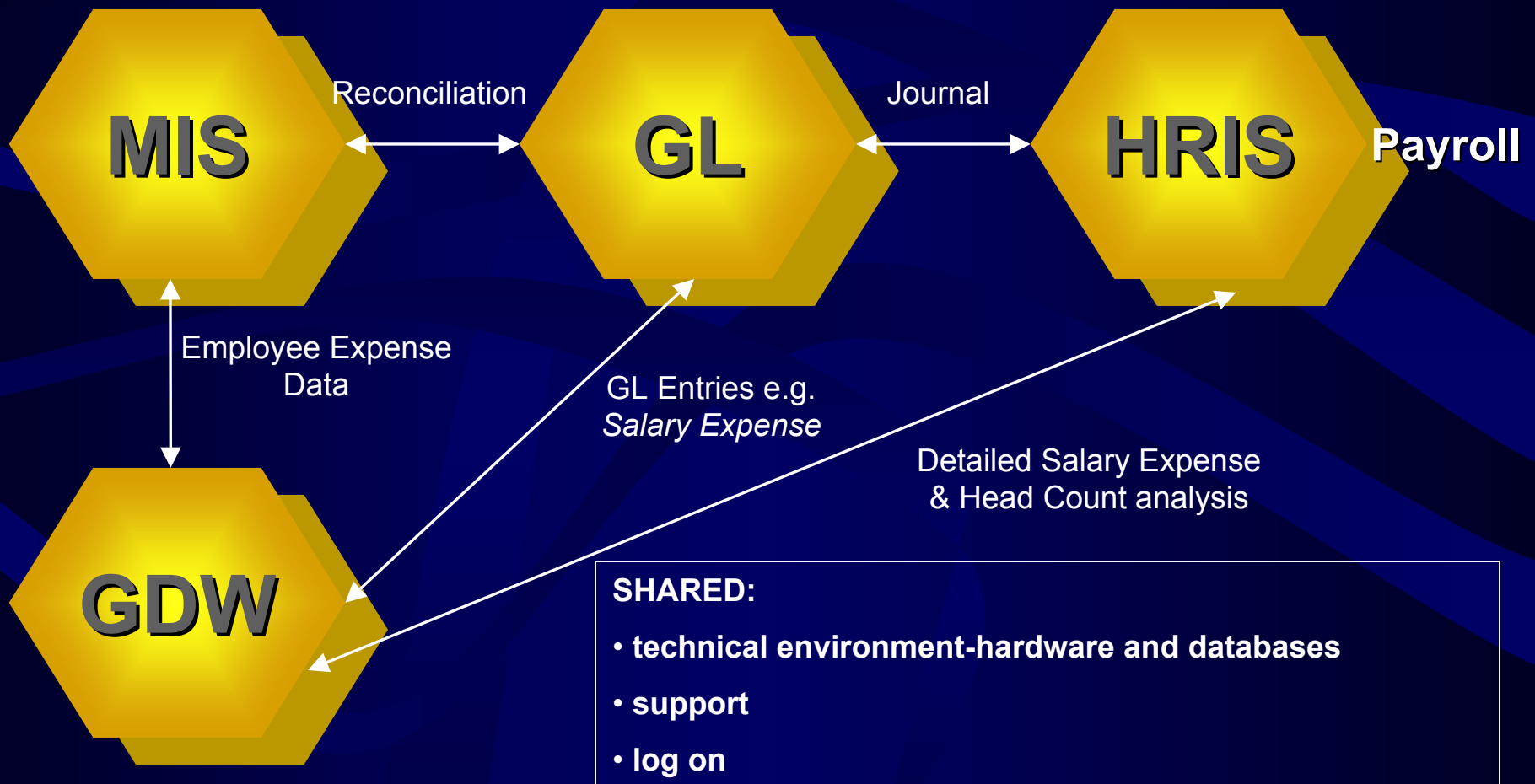


ORACLE E-Business Suite & OFSA

- HR/GL use the Oracle e-business suite technology
 - Oracle Financials
 - Oracle HR
- MIS use Oracle Financial Services Application (OFSA)

Integrated Systems

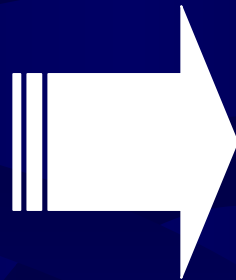
Oracle provides integration across the different applications



General Ledger

PBL General Ledger

- Different chart of accounts are used within ACBC Group
- Dual-currency accounting in SGD and USD
- Business Units send journal vouchers to Group Accounts for processing
- Not possible to automatically consolidate and report in a Group wide basis



Oracle General Ledger

- Common chart of accounts across all books and entities in ACBC Group
- Multi-currency accounting including revaluation and translation
- Business Units enter journals into the system
- Self service reporting for Business Unit reports
- Automatic Group wide consolidation of Accounts

Human Resources

- Implemented new payroll system integrated with GL
- New Human resources Information system. Tracks staff details, leave etc.
- Training Administration
- Tax reporting

MIS

Oracle MIS

- 3 dimension reporting - organization, customer & product
- Customer level profitability
- Improved transfer pricing, eg cash flow
- Risk adjustment at customer level
- More self-service
- Improve efficiency
- Support implementation of EVA

'Live'



Sep 02

Jun 02

Interface with Oracle GL



Mar 02

Main ACBC Bank Products



Dec 01

Sep 01

Oracle contract signed



Jun 01

Past MIS System

- 1 dimension reporting- organization only
- Limited individual customer profitability reporting
- Issues:
 - Manual processes
 - Insufficient granularity

Data Warehouse Strategy

- **A Global Data Warehouse provides accurate, complete, consistent and timely data based on a set of data definitions and business rules (in a corporate data directory)**
- **ACBC Global Data warehouse strategy**
 - **Builds a GDW from proven OFDM and TCA data models**
 - **Provides for different data dimensions, timeliness and details that will meet the data analysis requirements of the business units**
 - **Ensures consistency via data reconciliation within the source systems**
- **Delivery strategy**
 - **Decommissioning of the data marts are phased out**
 - **To manage risks**
 - **To synchronise with the implementation schedule of the source systems**
 - **To give users time to switch to the new GDW**
- **Investment to build capability staged with business need and business case**

Road Map

Operational Effectiveness

Organisational Effectiveness

Feb 2003 -

Enhanced performance Metrics. E.g.. Balanced score card EVA RAROC

Sept 2002 - Feb 2003

- Integrate Procurement
- Global MIS

W i Procurement
W MIS Malaysia
W GDW Phase Four

Apr 2002 - Oct 2002

- Integrate Global GL
- Integrated Financial and HR functions

W GL Malaysia + OS Branches
W AP/FA
W Budget & Planning
W GDW Phase Three

Jan 2001 - June 2002

- MIS for ACBC Group
- HR Self service for ACBC staff (including KTB)
- Enhanced GDW

- MIS ACBC (scope 3 & 4)
- HRIS self service
- HRIS/Payroll AMB staff
- GDW Phase Two

June 2001
Feb 2002

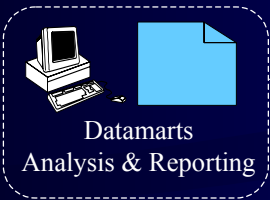
- Integrated HR/Payroll Database
- Multi currency GL
- Distributed Journal entry
- MIS for ACBC H.O
- Integrate MIS with GL
- Base GDW

✓ GL BOS/ACBC
✓ MIS ACBC (scope 1 & 2)
✓ HRIS/Payroll ACBC
✓ GDW Phase One



Integrated Management & Control

Sourcing/Decommissioning Roadmap



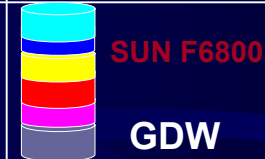
ONE SINGLE SOURCE OF TRUTH



Decommission

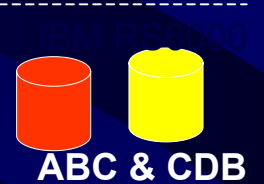
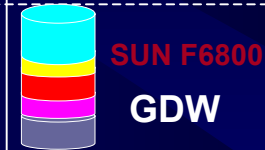
(Phase 4)

Risk
(ALMR)



(Phase 3)

Credit Risk
Activity Based Costing



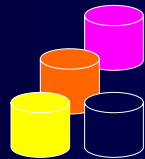
(Phase 2)



Marketing



(Phase 1)



MIS



"LEGACY"



Critical Success Factors

- **Executive commitment**
- **Change Management**
- **Integrated Approach**
- **Vendor Independence**
- **Phased implementation with a focus on intermediate deadlines**
- **FinaTech bridging the gap between Business Goals and Technical Implementation**

Summary

- Organised as a multi-project program
- Flexibility to change interfaces as inter-linked systems changed
- Implementation of broad business functionality across a consistent technology platform
- High level of integration between applications in the platform
- “evolutionary” vs “revolutionary” replacement of legacy systems

Lessons for Basel II

- Build a “plug and play” architecture
- Integrate all data into data warehouse
 - “single source of truth”
 - Data is collected once, and only once
- Incremental approach to implementation
 - Standalone Datamarts to cover current/immediate needs
 - Gradual backfill of Datamarts into GDW
- Models and calculations not hard-coded into applications
 - Store and share derived data in the GDW