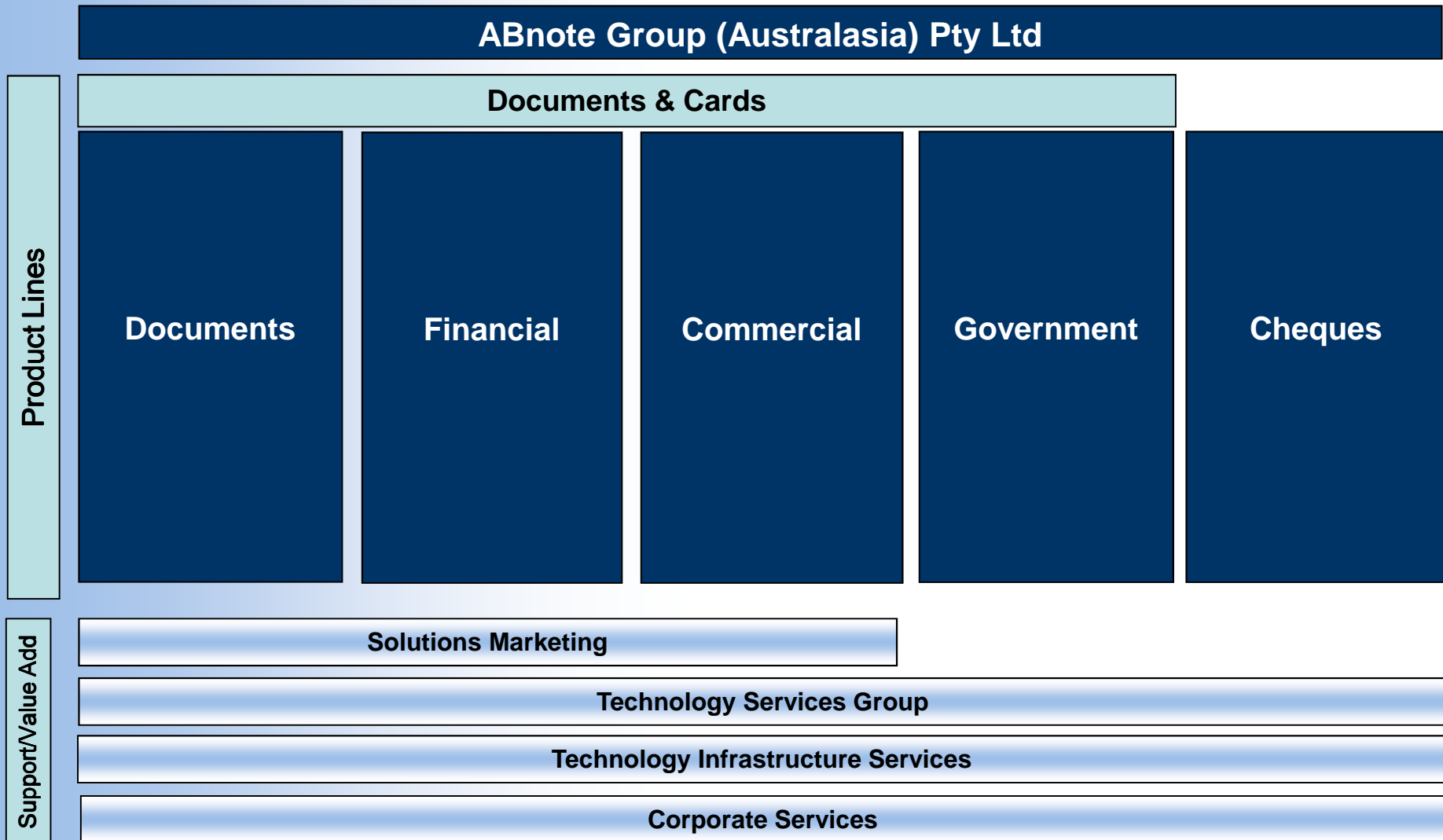


## ENVIRONMENTAL SOLUTIONS



March 2011

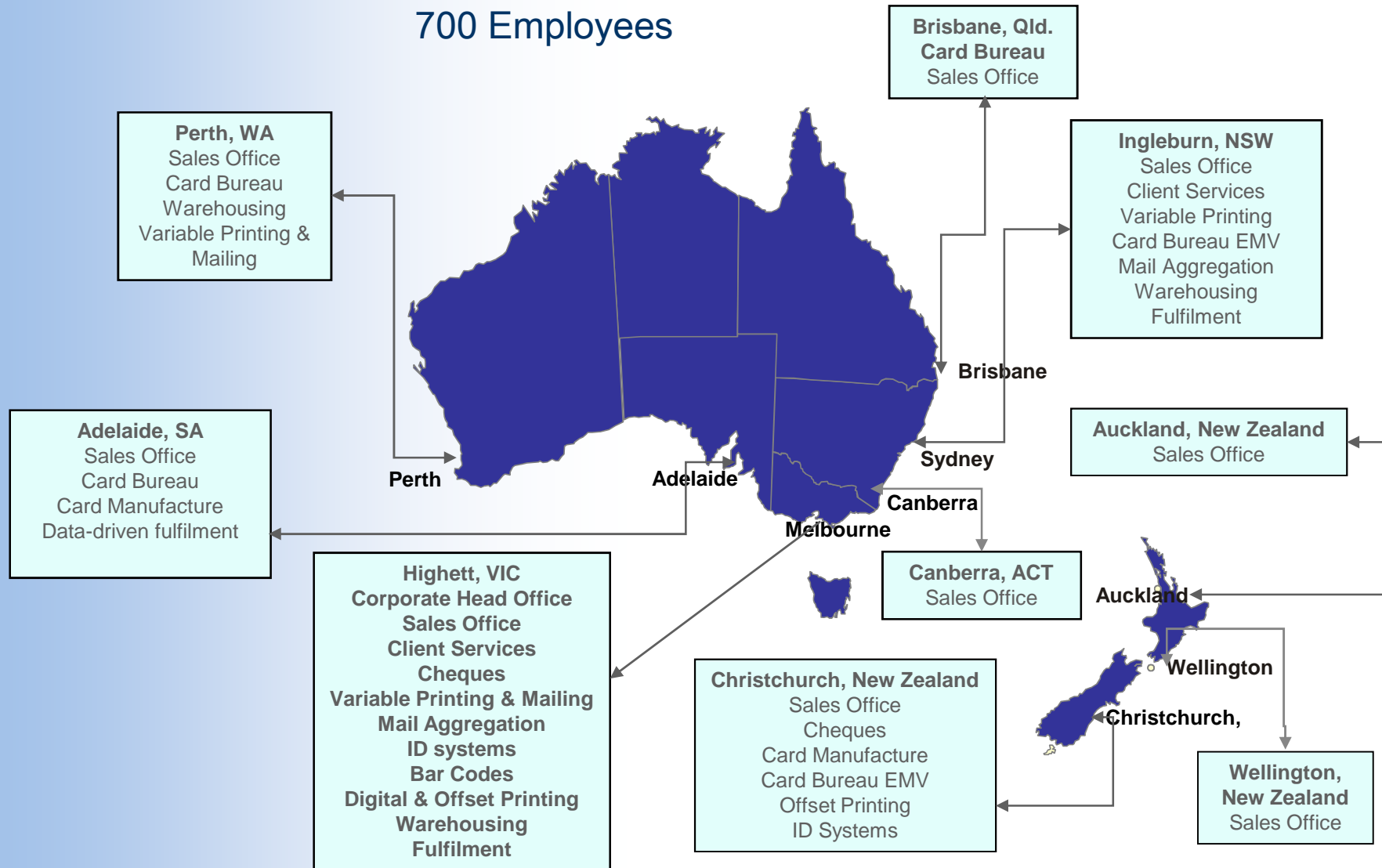
# Organisational Structure



# ABnote Operations Australasia



700 Employees



# ABnote - Major Clients

# ABnote

- 1.6 billion secure personalised documents including cards
- 280 million mail packs
- 1.5 million personalised faxes
- 3.8 million personalised emails
- 6 millions kilograms of print
- 55 million vouchers
- 100 million high quality barcode labels
- Envy Stock now standard
- 40 million cheques

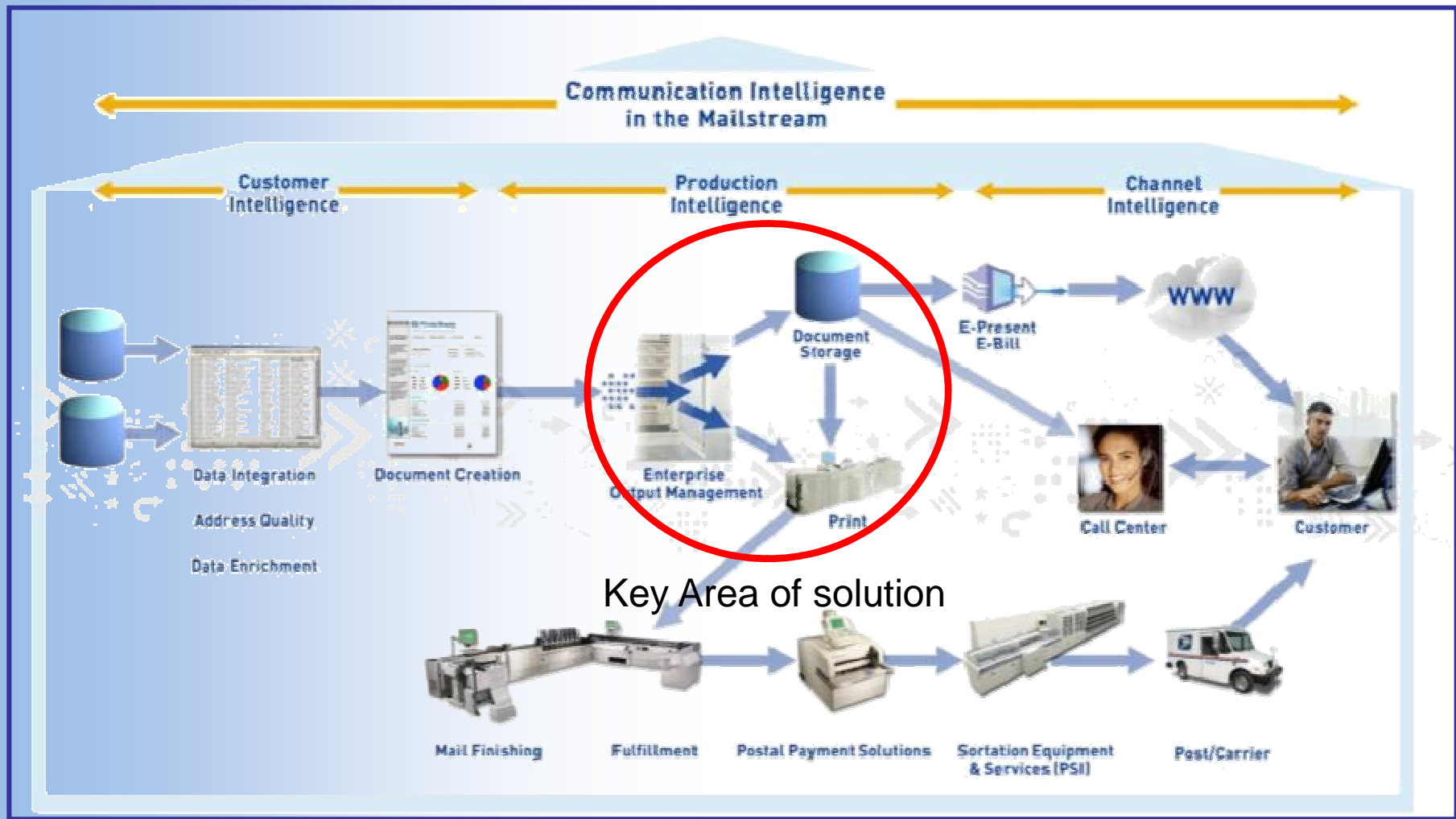


# Why Managing Waste is Important ABnote

ASX TOP 100 RANKINGS				
BEST COMPANY OVERALL	WORST COMPANY OVERALL	FOCUS ON SHAREHOLDER VALUE	ENVIRONMENTAL, SOCIAL AND CORPORATE GOVERNANCE	CLARITY OF STRATEGY
1 BHP BILLITON ✓	1 MACQUARIE OFFICE TRUST	1 BHP BILLITON ✓	1 RIO TINTO	1 BHP BILLITON ✓
2 WESTPAC ✓	2 ELDERS	2 DAVID JONES ✓	2 WESTPAC	2 DAVID JONES ✓
3 DAVID JONES ✓	3 BOART LONGYEAR	3 QBE ✓	3 BHP BILLITON ✓	3 NEWCREST MINING
4 ORIGIN ENERGY ✓	4 ASCIANO GROUP	4 WESTPAC ✓	4 WOOLWORTHS ✓	4 WOOLWORTHS ✓
5 COCHLEAR ✓	5 MACQUARIE INFRASTRUCTURE GROUP	5 ORIGIN ENERGY ✓	5 ORIGIN ENERGY ✓	5 COCHLEAR ✓
6 WOOLWORTHS ✓	6 CONSOLIDATED MEDIA HOLDINGS	6 COCHLEAR ✓	6 COCHLEAR ✓	6 JB HI-FI
7 COMMONWEALTH BANK	7 GOODMAN GROUP	7 CSL	7 AGL ENERGY	7 QBE ✓
8 QBE ✓	8 GOODMAN FIELDER	8 LEIGHTON HOLDINGS	8 INSURANCE AUSTRALIA GROUP	8 COCA-COLA AMATIL ✓
9 ASX	9 WEST AUSTRALIAN NEWSPAPERS	9 COMMONWEALTH BANK	9 CSL	9 WOODSIDE PETROLEUM
10 COCA-COLA AMATIL ✓	10 ARISTOCRAT LEISURE	10 WOOLWORTHS ✓	10 COCA-COLA AMATIL ✓	10 ORIGIN ENERGY ✓

Source: The Business Age – Saturday 13<sup>th</sup> February 2010

# Integrated Document Processes ABnote



Some of our achievements

ABnote

# ABnote Cleaner Production



## Dual Focus



- **Reduce** Waste
  - Physical
  - Energy
- **Recycle** what's left over !

Our Primary Sustainability focus

ABnote

## Case Study 1 - Printing

Reel to sheet fed Press



- Reduce Waste
  - Physical ✓
  - Energy ✓
- Recycle what's left over



Reel Feb Web Press - old technology

ABnote



# Reel Fed Web Press – old technology ABnote



# Ryobi Sheet Fed Press – new technology

ABnote



# ABnote

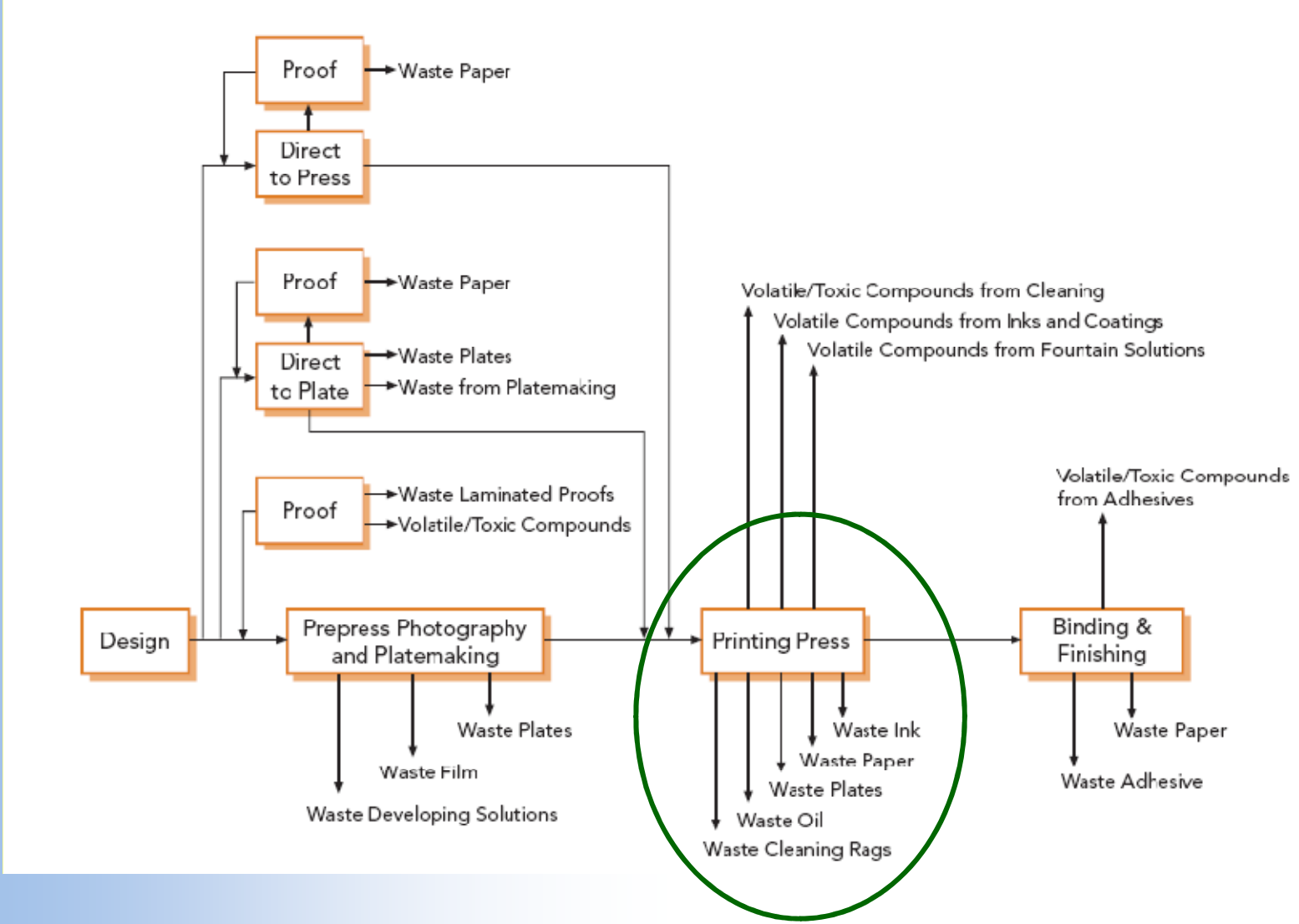


# Reel Feb Web Press - old technology

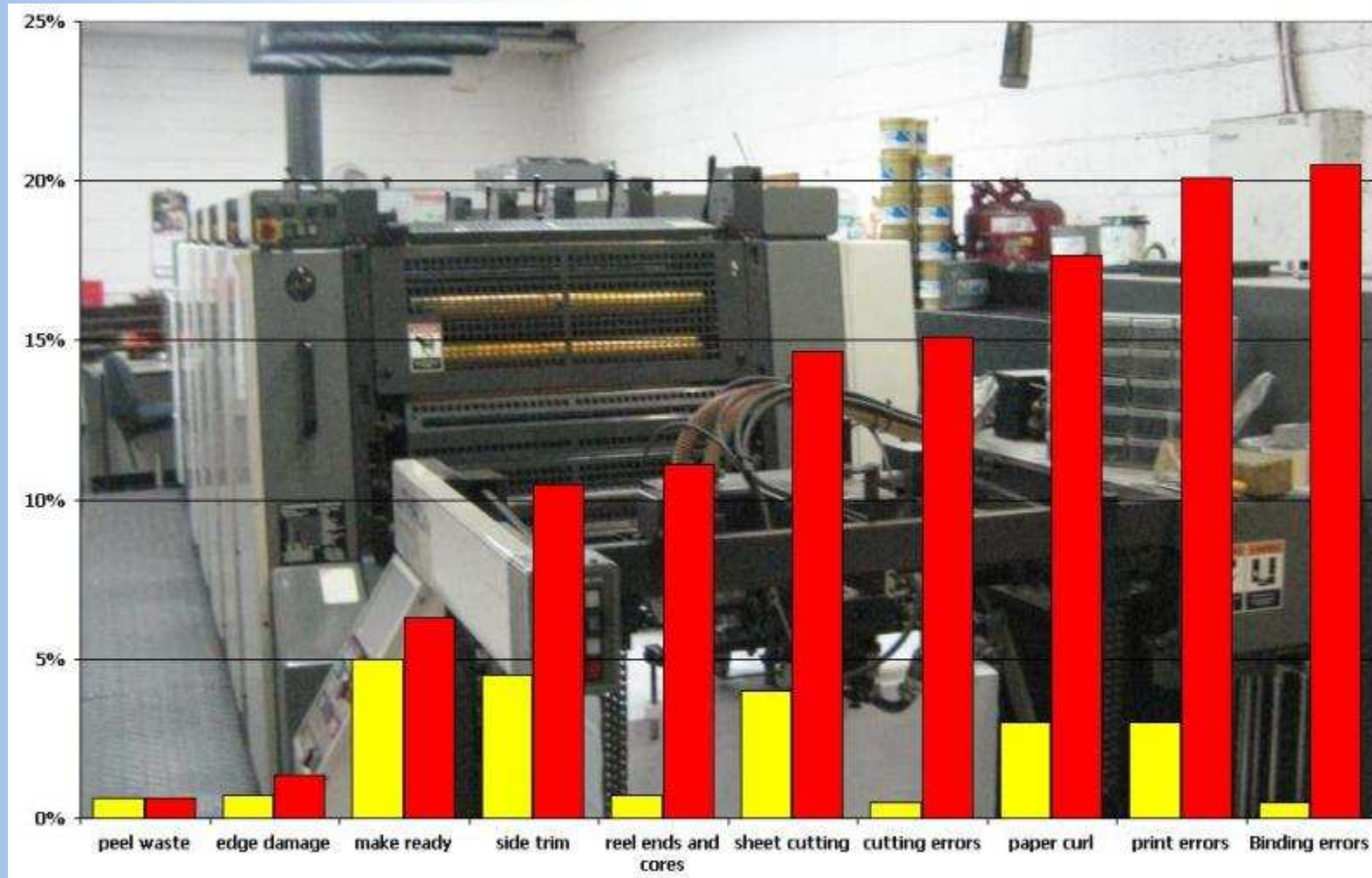
# ABnote



# Lithographic Printing waste



# Web Press- old technology





## Sustainability Benefits in 2010

- **Reduced need for Press machines**
- **Reduced from 28 employees to 15 employees**
- **Reduced need for shift work**
- Waste paper tonnage reduced by 20% (250 tonnes \$670K)
- Electricity consumption
- Chemicals – reduction in use of solvents
- Work Space – Improved work flow utilisation/productivity

## Case Study 2 - Glue

Moving from hot to cold glue



- Reduce Waste
  - Physical
  - Energy
- Recycle what's left over !



# Moving from hot to cold glue

**Hot Glue Cheque book binding  
– heat intensive, higher toxicity**



**Hot glue for  
cheque book  
binding**

# Moving from hot to cold glue

## Cold Glue method of book binding



**Cold Glue Bath**

# Moving from hot to cold glue



## Cold Glue Product



## Benefits

- Safer process
- Less energy – electrical and human
- No toxic chemicals
- More efficient
- Easier to clean
- Cost savings in chemicals
- Good product !

# Our Primary Sustainability focus ABnote

Recycle

Reduce Waste

- Physical
- Energy

Recycle what's left over !



## What waste leaves here ?

- Secure and non secure waste paper -
- Cardboard
- Secure PVC
- Prescribed waste, solvents, cans, rags, inks
- Wood
- Metal – secure
- E Waste
- Negative Film
- Organic waste

## How do we measure it?

Our Recycle contracts require the contractor to provide us with **BOTH** financial and weight data for each waste item serviced;

# How does the waste leave?

# ABnote



**SIMS E-RECYCLING**  
A joint venture with **VEOLIA**

**BSI**  
ISO 14001  
EMS 520277

### Certificate of Recycling

This Environmental Certificate of Recycling is hereby granted to:

Wasteflex  
PO Box 5174  
RINGWOOD, VIC 3134

This document certifies that Wasteflex is a recycling partner of Sims E Recycling Pty Ltd and has requested and supplied Used Electronic Waste Equipment to be disposed of in an environmentally responsible manner.

All materials received by Sims E Recycling Pty Ltd are processed according to Local, State and Federal laws and in an environmentally controlled manner, eliminating waste to landfill. Used Electronic Waste is as prescribed under the Federal Hazardous Waste Act of 1989 and the guidelines of the Basel Convention (1984).

Batch Number: wfvic005285  
COR Ref Number: 00295  
Received on: 10/06/2009  
Total Weight received: 1466kgs - Used Electronic Equipment (E waste).  
Processed at Sims E-Recycling Victorian facility.

Issued on: 24<sup>th</sup> of June 2009

Nick Tsagliotis  
Operations Manager VIC

*Sims E Recycling: Responsible Global Resource Management.*

Sims E-Recycling Pty Limited ABN 741 141 764 93 a joint venture with Veolia Environmental Services



# Then what happens to our waste? ABnote



# Then what happens to our waste? ABnote



# HDPE



PVC is washed,  
chipped and coloured



The film is then spun into  
5mm thick thread



# HDPE



The result is woven plastic sheeting,  
rolled up ready for despatch

- Environmentally Sustainable Organisation
- Investment in new technology
- Measurement of resource use
- Employer of Choice
- A Good Social and Environmental citizen
- Supplier of Choice