



Are my Data, Pointing me in the Right Direction
of Business Success?



Strategic Data Governance

About Strategic Data Governance LLP

SDG is a global data consultancy, recognized to be the leader in strategic and execution data consulting. We bring our experience in the practice from North America and Middle East to Asia, having performed SAP Consulting for at least 50 of the Fortune 1000 companies in North America.

We specialize in data effectiveness:

- data governance concepts
- data lifecycle management – from data authoring to archiving
- data taxonomies and classifications
- data health evaluation, enrichment and cleansing algorithms
- business and predictive analytics
- unstructured data management
- data archival
- sap advisory, implementation and support
- cloud advisory
- system integration /pmo/vendor management

Our Team

- Deep experience in data consulting and risk management from international consulting companies like SAP, Accenture and E&Y, Motorola.
- Headquartered in US, with offices in Singapore, India and Australia
- Our consultants have executed projects for these clients in Singapore:



Our Consultant's Projects

ConocoPhillips



Overview of Data Services

Strategy Advisory

- Data Governance
- Data Lifecycle Management(DLM)
 - DLM Maturity Assessment

Operational Services

- Data Quality Management- assess, enrich, cleanse and archive
 - Data Governance Roadmap
- Lean Six Sigma Quality Management

Execution Services

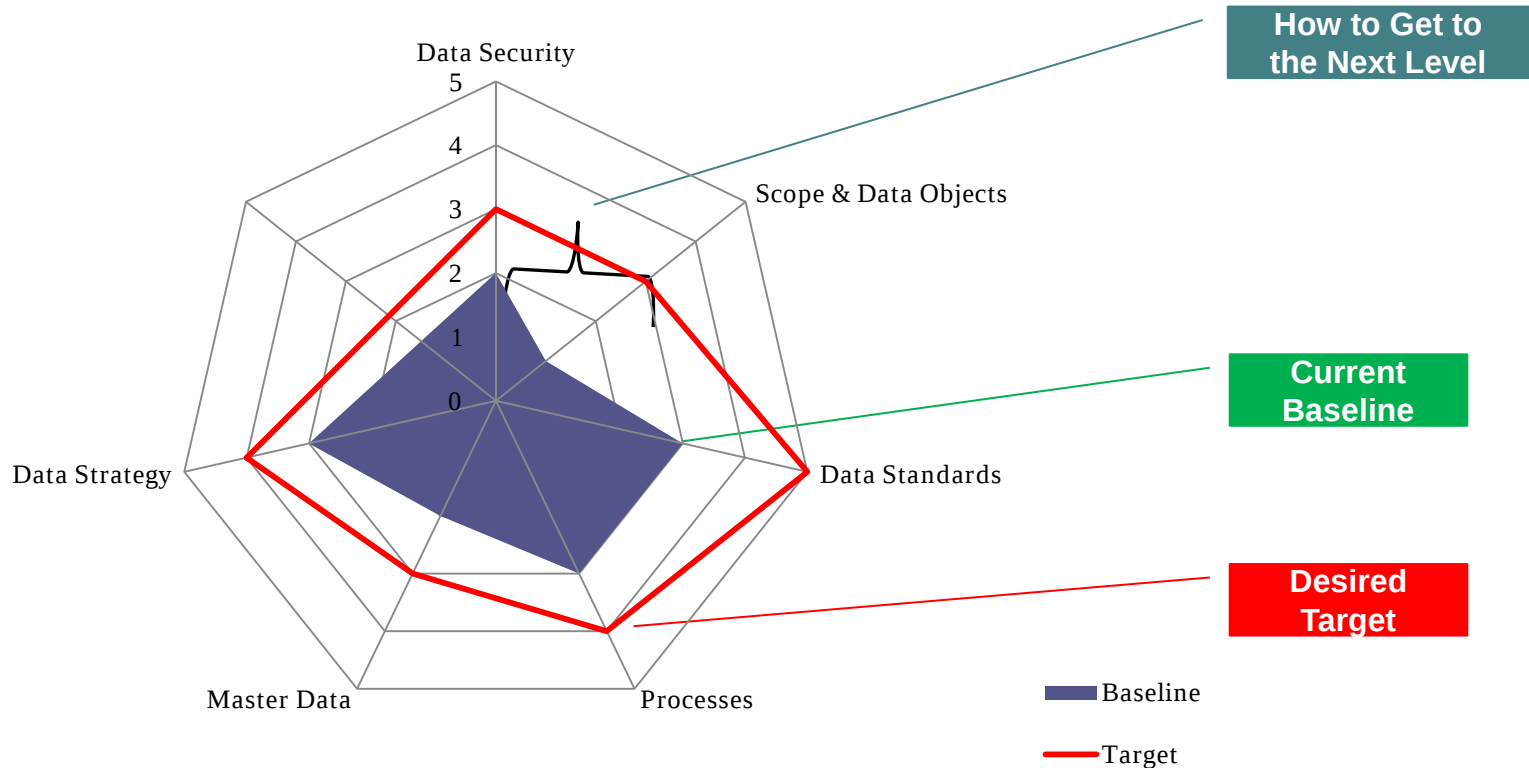
- Data Consolidation/Migration
- Business and Predictive Analytics/Data Mining
 - Master Data Management(MDM)
- Enterprise Content Management(ECM)/Archival

Authoring Success into Your Business Data

Authoring Success into Your Business Data

DLM Maturity Assessment

DLMM Baseline / Target



The Answer to Poor Data Quality- Data Management Evaluation (DME)

- DME is our methodology and tool to automate the performance of data health evaluation on enterprise master data of our clients

Master Data Profiling

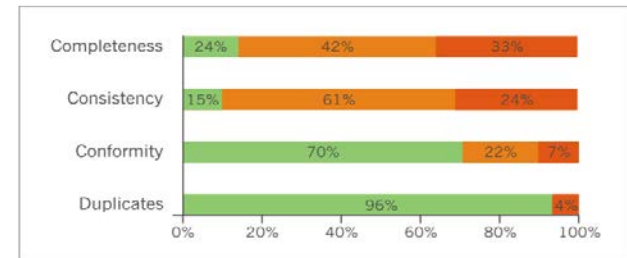
Data Analysis

Management Report

Data Governance Roadmap

Enrich and Cleanse

DATA SCORECARD



10542 RECORDS PROCESSED

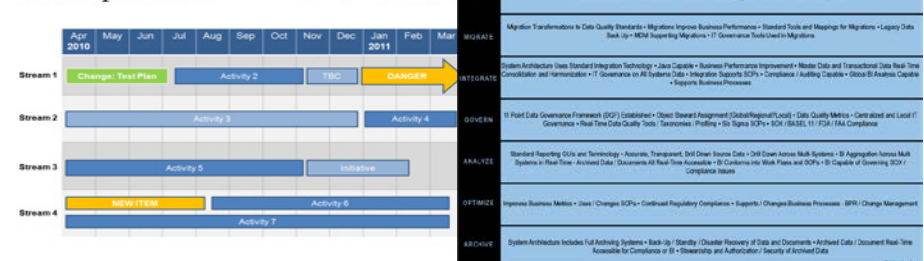
Observations

Business Impact

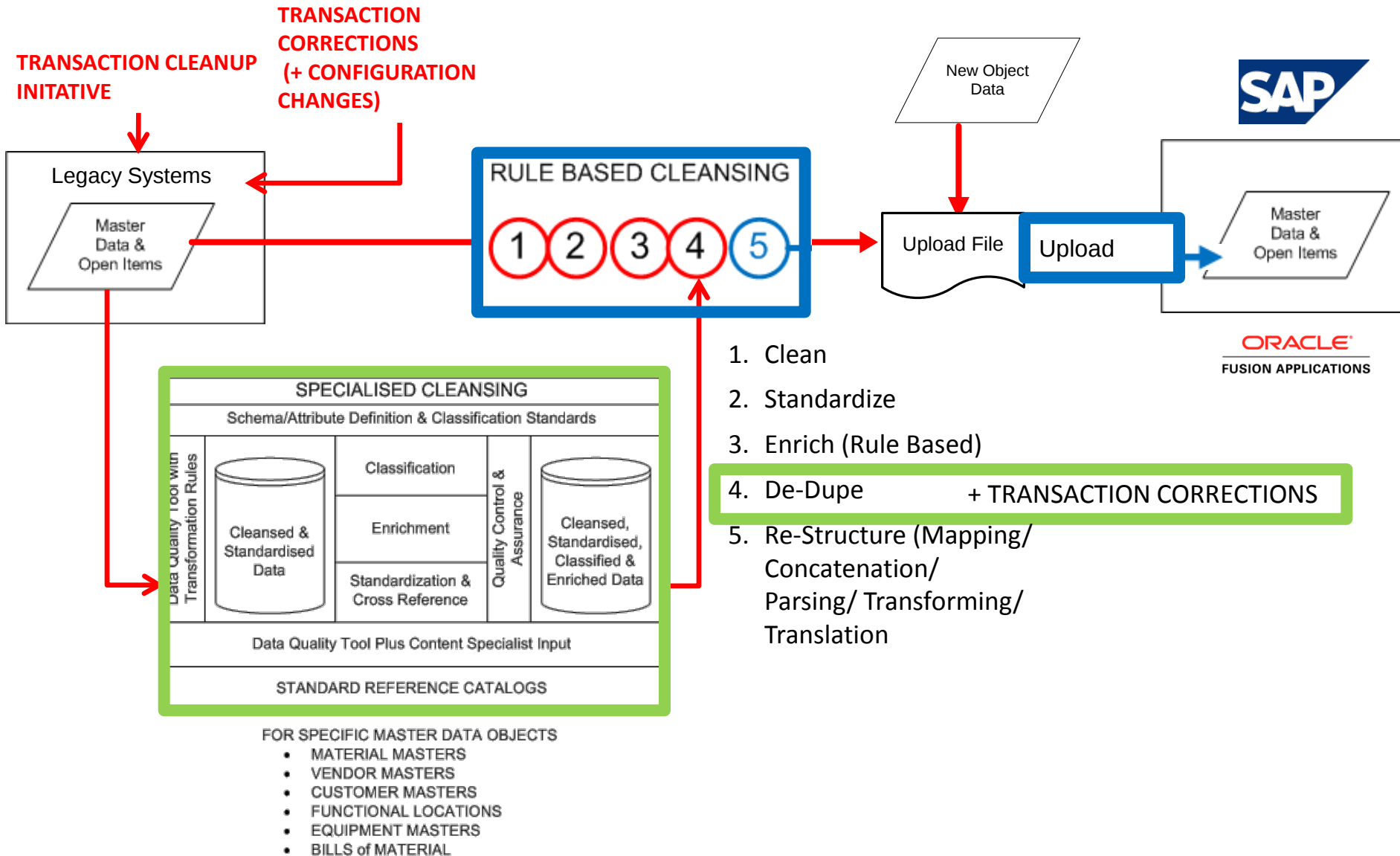
Recommendations

Time Line

Roadmap Timeline



DATA MIGRATION, a Complex Business



ECM/Archiving Experience

ECM

- AP Automation
- BPM/Workflow
- Search/Categorization/Taxonomies
- Internet Analytics

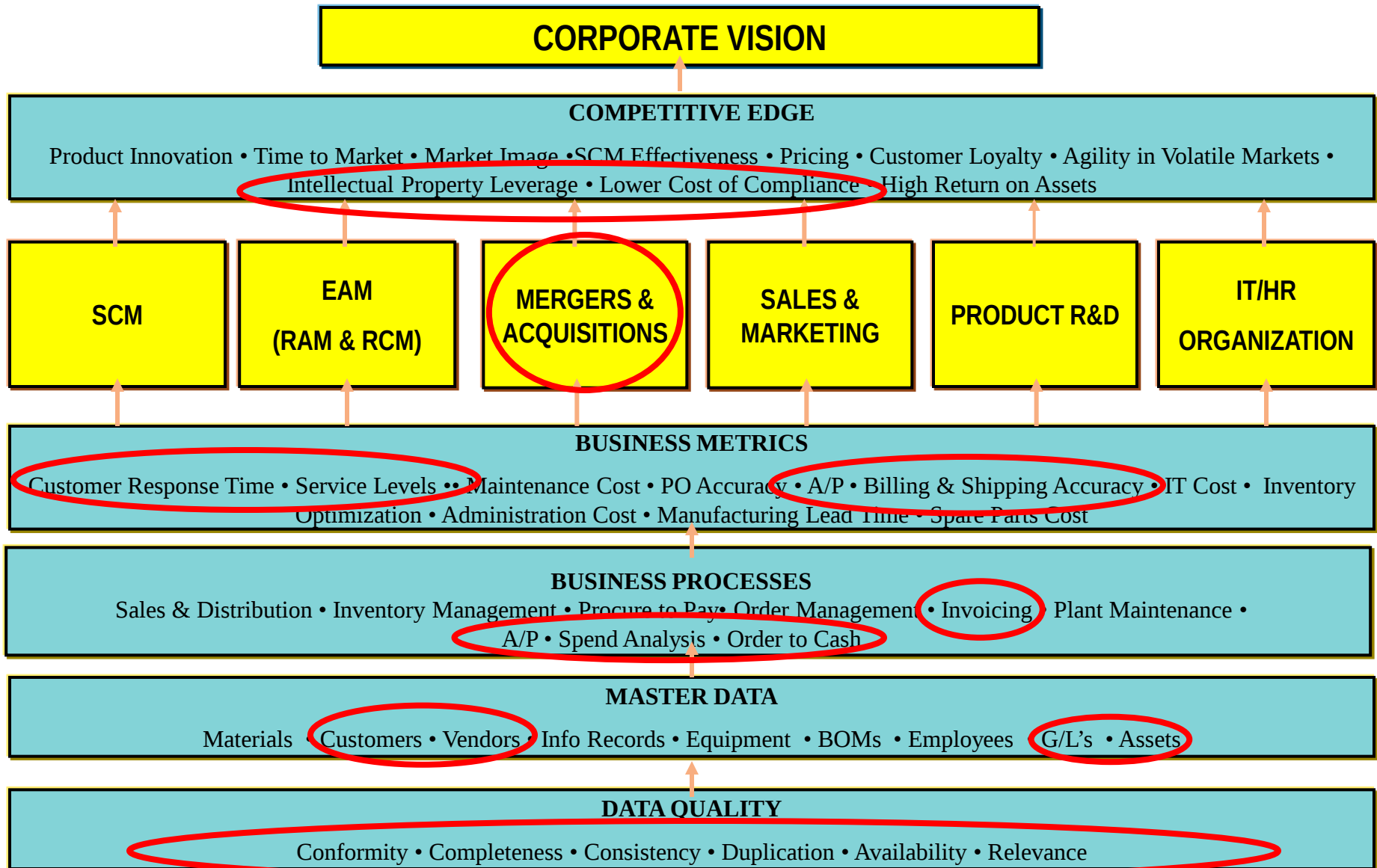
Archiving

- Data archiving
- Document Archiving
- DART
- Coldstore/Legacy Decommissioning



Building the Business Case

Building blocks of Corporate Governance



1. We have help fixed Corporate Strategy Failures

Background

Food Company is planning to spend **20million dollars to review and upgrade 18 cereal plants to try to adopt practices of a new plant that they believe is a stellar performer in terms of optimising cost.** They have engaged our consultants to help with evaluating data in their SAP system and also look at further optimization opportunities within the plant.

Challenges

To optimize data within their system to ensure that further cost optimization strategies can be in place to better leverage the best practise of the new plant.



2. We have helped in systems that fail to Meet their ROI

Background

ConocoPhillips has an **EAM (Enterprise Asset Management) system** which has cost them millions of dollars but has **not been able to leverage the value** of it effectively.
Challenges to meet maintenance SLA requirements.

Issues Faced:

We found that the EAM system has been compromised by:

1. Incomplete data
2. Excessive Inventory which is unnecessary
3. Limited insights due to poor data visibility

Objective of the project:

1. Enhance Asset Management

- Improve Accuracy of the Asset Registered
- Track the full Installation-Failure-Repair-Reinstall lifecycle
- Accurately Determine ROI per Capita Investment and asset value per location

2. Improve Maintenance Execution and Planning

- Improve Plant Maintenance SLA
- Streamline processes to 3rd Party Maintenance Provider

3. Reduce Cost

- Reduce Spare part holding Cost

4. Enhance Strategic Procurement

- Develop Strategic Procurement Programs
- Achieved Leverage Spend Analytics



3. We have helped in Data Harmonization Issues

Background

An Oil & Gas company. They are using Excel to generate operational reports for their manufacturing plans in Asia. The reports are based on 2 weeks old information.

Issues

They found that their operational reporting cannot meet the present day requirements for:

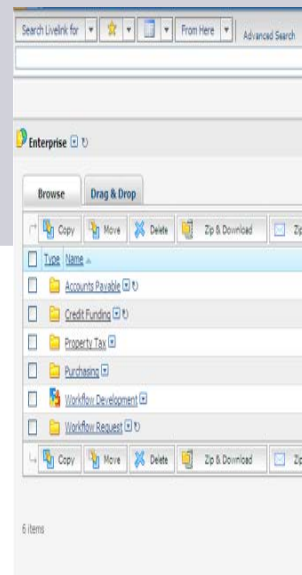
- Reconciliation between their operational and financials system
- Data Traceability on retroactive data is a pain
- Data is not available in time for management to make decision.
- Need to replace excel for reporting (Bill 198, SOX compliance) **CSOX Bill 198**



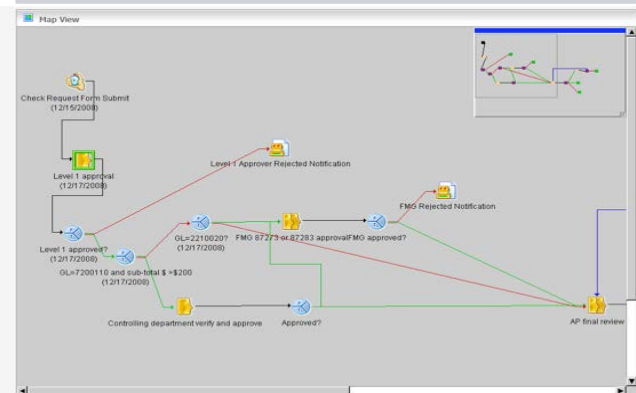
4. We have helped Optimize Automotive/Financial Sector in solving process efficiency issues

What was Achieved

- Credit Approval took 2 business days, Property Tax Payment took 1 business day to process
- Integrated imaging, storage/archiving and retrieval system.
- Workflow Automation.
- Ability to index and retrieve all imaged and designated electronically created customer, dealer and vendor documents.
- Every area in VCI will be able to use this system.
 1. Auburn Hills (Sales, Marketing, Risk, Legal and Remarketing)
 2. Service Centers (all departments)
 3. Regions
 4. Auctions
- Reduced operational costs
- Improved quality
- Increased efficiency
- Increased customer satisfaction
- Higher employee engagement
- Legal and compliance advantages (Sarbanes-Oxley)
- Other departments interested



A screenshot of a 'Check Request Form' displayed in a web browser window. The form is titled 'Check Request Form' and is for 'VW Credit, Inc.'. It includes sections for 'Service Center' (with radio buttons for LSC, HSC, AISC, and PSC), 'Payee Information' (with fields for Name of Payee, Address, City, State, and Zip), and 'Check Information' (with fields for Account Number, Amount of Check, and Date Requested). There are also buttons for 'Deliver Check' and 'Copy'. The form is prepared by 'Jesse' and dated '12/15/2008'.



5. We have helped optimize IT Roadmap and fixed Enterprise System Architecture to Fail through data

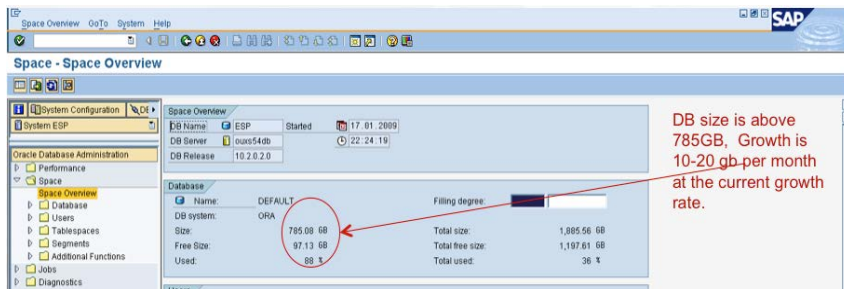
Background

Archiving Implementation which they are not able to fully archive their data after purchasing of Archiving Solution.

Issues

We conducted an archiving study into their SAP system and found the following major issues:

- The financial year was rolled-forward by 1 year to facilitate acquisition of Absolute Vodka business
- There were many “dummy” plants for subcontracting
- Only able to Archive less than 20% of the data



Tablespace name	Size(MB)	Free(MB)	Used(%)	Aut. Extend	Total size(MB)	Sum of all free fragments(MB)	Total used (%)	#Files	#Segments	#Extents	Status	Content
SAPSR3	679,728.00	33,994.06	95	YES	1,700,816.00	1,055,082.06	38	175	159,220	302,908	ONLINE	PERMA
SAPSR370	8,008.00	7,999.75	0	YES	40,000.00	39,999.75	0	4	0	0	ONLINE	PERMA
SAPSR3700	84,684.00	8,758.38	66	YES	80,000.00	24,074.38	70	8	871	13,523	ONLINE	PERMA
SAPSR3USR	400.00	161.00	60	YES	10,000.00	9,761.00	2	1	434	865	ONLINE	PERMA
SAPTEMP	30,576.00	30,576.00	0	YES	50,000.00	50,000.00	0	5	0	0	ONLINE	TEMPO
SAPUNDO	18,204.00	15,058.00	17	YES	20,000.00	16,854.00	16	2	39	1,462	ONLINE	UNDO
YSALUX	460.00	47.94	90	YES	10,000.00	9,587.94	4	1	986	2,692	ONLINE	PERMA
SYSTEM	1,874.00	1,014.63	46	YES	20,000.00	19,140.63	4	2	1,204	2,786	ONLINE	PERMA

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6. We have fixed procurement failures in ERP systems that cost Companies Millions

Background

SDG was engaged by a company to help a local Airlines with SAP Data-migration and Cleaning.

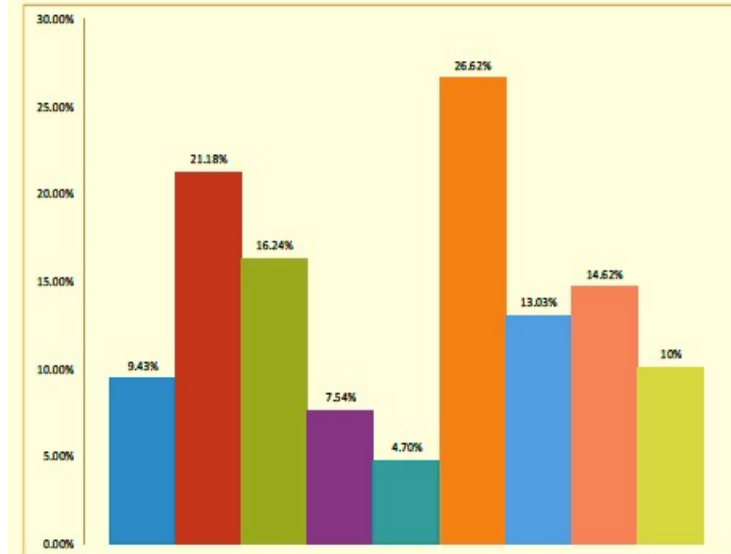
The engagement include the migration of data from 80 legacy systems. These include system like Dbase4, MS ACCESS and Fox Pro.

Airline focused on 2 key spare-part stores : **Off-site Repair Centre and Airport Store**. In the stores, they had to keep parts of every individual planes which they used for their repairs. In addition, they had 3 business units which each kept separate master data.

Issues Faced:

Due to the lack of trust of the ordering process. Additional Inventory was always ordered to compensate.

PROJECT STATISTICS REPORT



	TOTAL NO. OF SKU	1,84,000
UOM CORRECTED	17,343	
MAIN GROUP CORRECTED	38,978	
OEM TO OBM IDENTIFIED	29,879	
MANUFACTURE NAME CORRECTED	13,878	
PART, MODEL NO. CORRECTED	8,657	
SKU VALUE ENCHANCED	48,978	
SKU VALUE WALK DOWN COLLECTED	23,980	
DUPLICATES IDENTIFIED	26,908	
POSSIBLE DUPLICATES IDENTIFIED	18,456	



7. We have plugged - **Revenue Leakage** that Cost Company Millions

Case Study for Unstructured Data management. US government agency keeps a lot of physical documents. Whenever there is an enquiry, its employees will flip through it document files to provide information to its customer (US Defense and law enforcement agencies).

It was not able to manage, track and charge people accessing these materials. Hence, now they have asked SDG to help put in place a Enterprise ECM system. They are able to plug leakage of revenue of at least 21million USD.



8. We have plugged Fraudulent Activities gaps

Problem Statement:

Current fuel reimbursement to drivers based on established fuel mileage consumption against respective deliveries does not match up to the fuel cost expended by LTH. An annual discrepancies of SGD 780,000 is estimated for a fleet of 130 vehicles

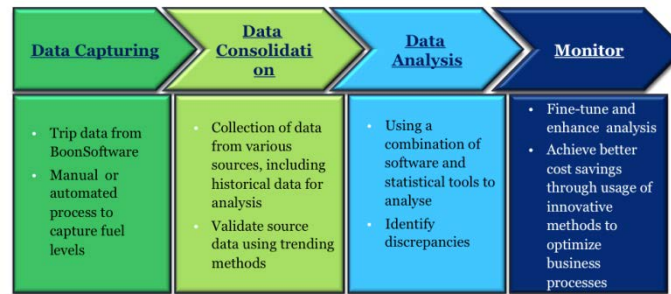
Project Goals/Objective:

- Develop and implement a software to provide decision support on fuel mileage consumption.
- Parameter setting of fuel mileage ratio under the various conditions (distance, load, road condition, stalling ie traffic jam or site held up etc)
- Develop standards for reimbursement and control of fuel consumption as well as pilferage and waste containment.
- Performance traceability with respective to individual driver, truck and margin per mileage
- Software output to include secondary objectives of measuring fleet maintenance effectiveness
- Extend software management tools on fuel into Management Dashboard to provide monthly, YTD operational performance of actual vs budget
- Establish a simple and speedy method of measuring fuel inventory in respective tank
- Track business input cost of fuel with reference to market trend

Optimize Fuel Management by Establishing Accurate Fuel : Mileage Standard & Accountability For Fuel Overconsumption

ROI Calculations		
Number of Trucks	1	130
Average Mileage per vehicle	2.5	2.5
Travelling Distance per vehicle(80km/h for a 10hrs)	800	800
Price of Diesel per litre (SGD)	0.7231	0.7231
1% fuel improvement (per year)	601.65	78,215
5% fuel improvement (per year)	3008.3	391,074
10% fuel improvement (per year)	6016.5	782,149

Fuel Monitoring Workplan



This message will be sent via jon.lau@strategicdatagovernance.com.

To: 'Demand List' <demand@logistics.com> 'Sales' <sales@logistics.com>
 From: 'Alvin Wan' <alvin.wan@strategicdatagovernance.com> Jon Lau <jon.lau@strategicdatagovernance.com>
 Subject: Fuel Management Report

The consolidated report of fuel usage is presented as follows:

Vehicles that are highlighted have fuel consumptions that have exceeded its total trip

Vehicle Type	Truck	Time out	Time in	Distance travelled (km)	Fuel consumed (litres)	Average Fuel Consumption (litres/100km)	Baseline Average Fuel Consumption (litres/100km)	Excess Fuel Consumed (litres)	Excess Fuel Consumed (%)	Excess Fuel Consumed (SGD)
Truck A	22.70	8.00	17.00	10	2.00	2.00	2.00	0.00	0.00	0.00
Truck B	22.10	8.00	17.00	754	2.44	3.24	2.00	1.24	6.18	1.24
Truck C	15.11	8.00	17.00	48	2.44	5.08	2.00	3.08	15.40	3.08
Truck D	3.89	8.00	17.00	2	2.88	14.40	2.00	12.40	62.00	12.40
Truck E	7.88	8.00	17.00	10	2.99	2.99	2.00	0.99	4.95	0.99
Truck F	1.88	8.00	17.00	0	0.77	4.88	2.00	2.88	14.40	2.88
Truck G	30.88	8.00	17.00	0	2.88	2.88	2.00	0.88	4.40	0.88
Truck H	20.88	8.00	17.00	2	4.55	22.75	2.00	20.75	103.75	20.75
Truck I	21.77	8.00	17.00	0	3.95	3.95	2.00	1.95	9.75	1.95

For more details, please view report by vehicle or driver characteristics.

Disclaimer: This mail is automatically generated by SDG Fuel Management and is strictly customized to suit LTH Logistics for specific purposes and the above data is confidential and should not be shared with people outside LTH. For log an issue, please mail: helpdesk@strategicdatagovernance.com



We are looking for Consortium Partners for the following Industries.

- **Airport and Aerospace Industry**
- **Government**
- **Financial and Banking**
- **Logistic and Supply Chain**
- **Retail**
- **Cloud Provider**

Thank You

Questions

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