

Providing e-business capability on a legacy systems platform: a case study from the Knowledge Transfer Partnership scheme

InnovationKT 2010 Coventry

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Presentation structure

Background & Introduction

Challenges & Project Objectives

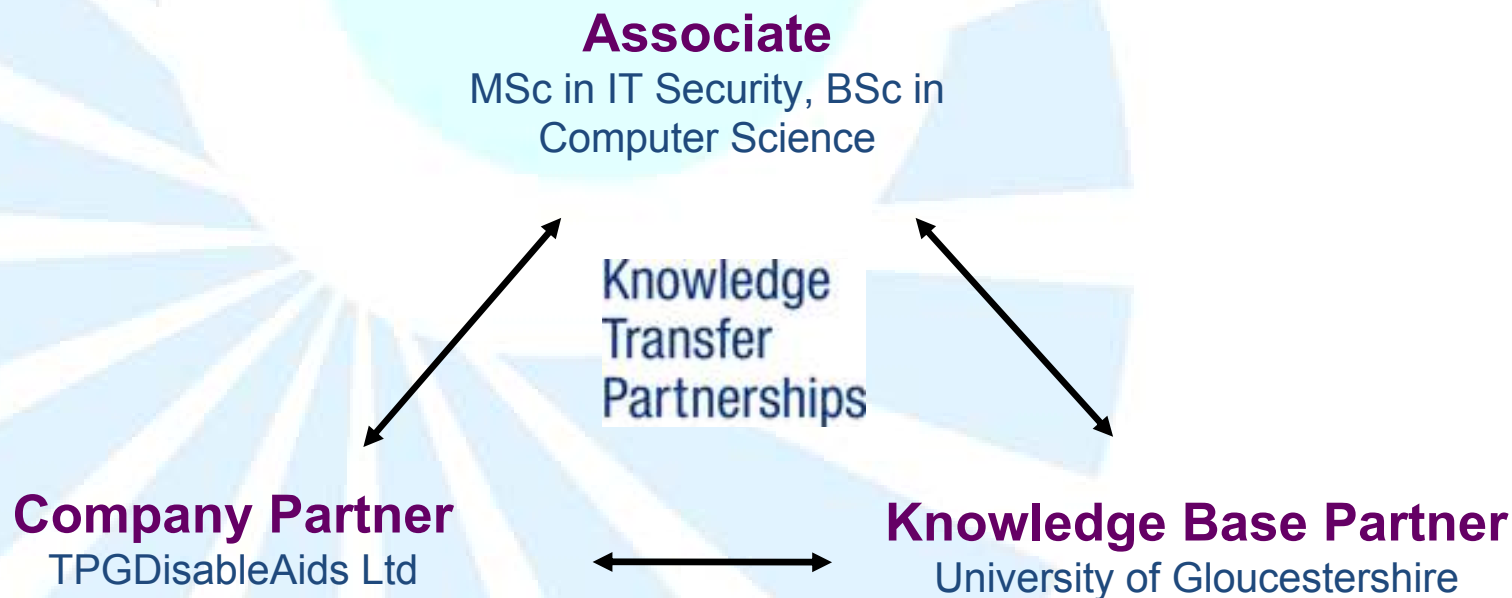
Implementation Approach

Outcomes & Key Benefits

Conclusion

Knowledge Transfer Partnership (KTP)

- TPGDisableAids partnered with University of Gloucestershire
- Two years project started in December 2008
- Provides specialist full time resource for the project



Company Partner – TPG DisableAids - Background

- Family business, formed in 1984 by Tony and Pamela Gibbs, in Hereford UK
- SME company with 47 employees
- Turnover grown steadily over 26 years to £4.3m in 2009 – 2010
- Provides equipment for the elderly and disabled

Company Overview

**Specialist provider of equipment
to disabled and their carers**


Second generation family run business



Company Overview



TPG DisableAids' KTP project objective

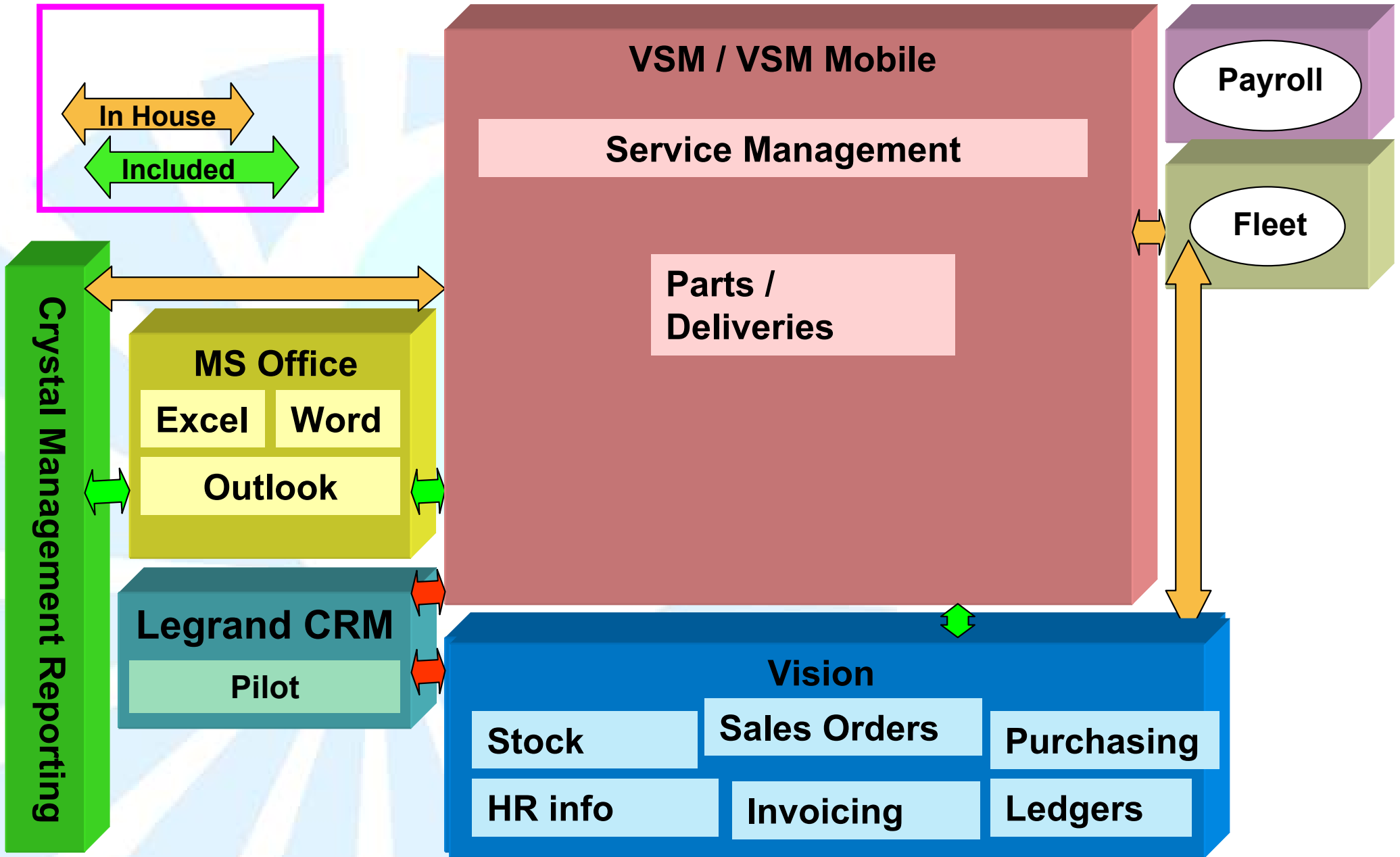


To develop and implement e-business capabilities and processes to reduce costs and drive new revenue.

Challenge and Opportunity

- **Main customers include NHS, local councils and other public authorities, who are increasingly demanding e-business capabilities from their suppliers (e-procurement)**
- **Business opportunity to grow market share as age profile of population increases, and also to sell outside of their region**
- **Business plan is to double turnover to £8.5m by 2014/15**

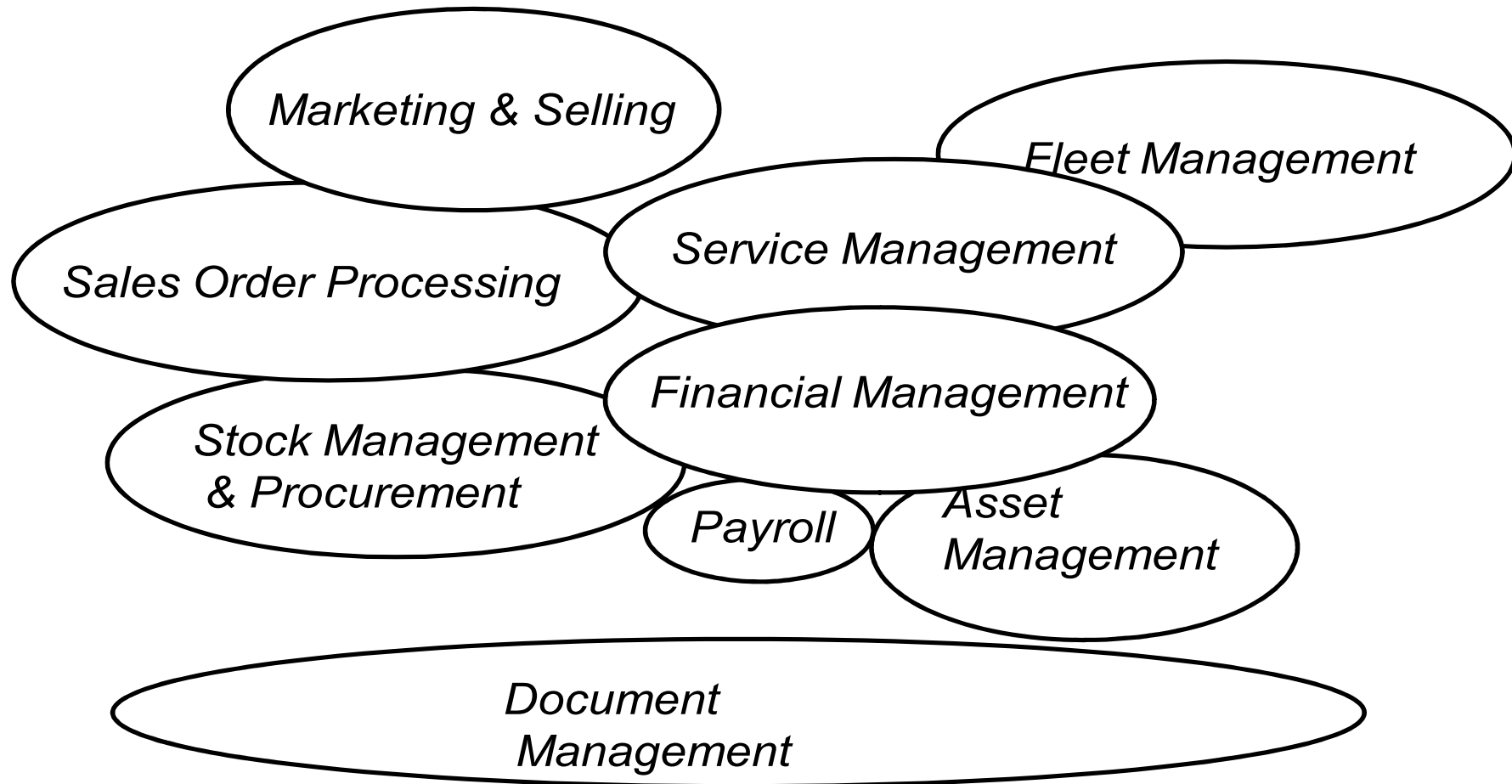
Systems Portfolio 2009



Implementation Approach - Project Stages

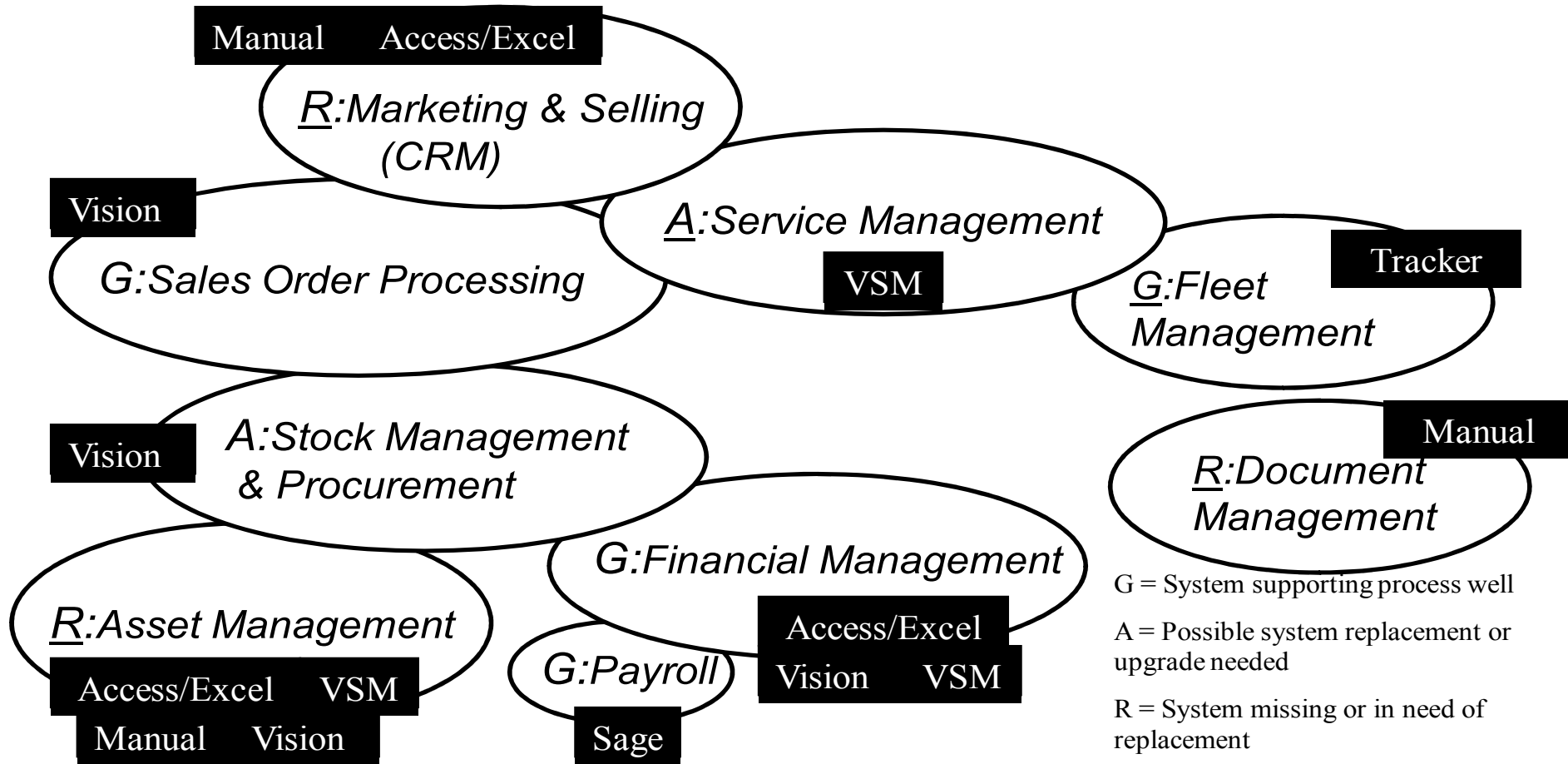
- ✓ Top Level Process Maps and Supply Chain Review
- ✓ Detail Business Process Mapping
- ✓ IT Infrastructure Platform Assessment
- ✓ IT Infrastructure Upgrade
- ✓ e-Procurement Requirements analysis

Main Business Processes at TPG DisableAids



Systems Profiling

Existing systems mapped to main business processes



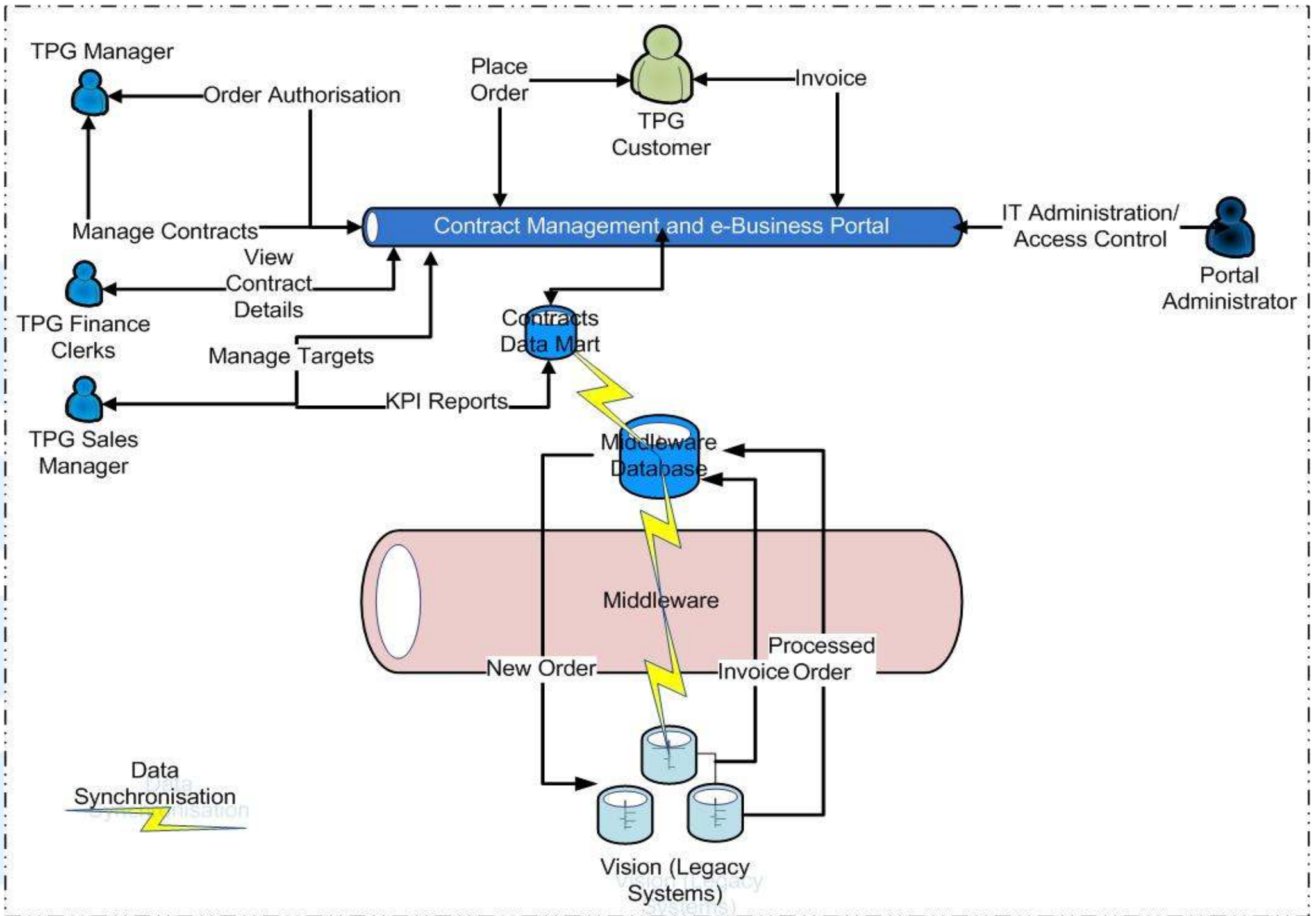
Manual = No computer involvement in process or paper based or ad hoc

Access/Excel = Process semi-managed with Spreadsheet or Database

Implementation Approach - Project Stages

- ✓ Middleware/e-Procurement Design and Architecture
- ✓ Middleware Development
- ✓ Develop Contract Management Portal
- ✓ Develop e-Ordering System

TPG DisableAids' e-Business systems architecture



Implementation Approach - Project Stages

- Embedding of new Capabilities & Information Culture
 - ➔ Process Change
 - ➔ Culture Change
 - ➔ Skill enhancement
- ➔ Overall Programme Review

Project Plan

Stage	Process	Months
0.	Refine project plan	0.25
1.	Supply Chain Review	1.0
2.	Business Process Mapping and Systems profiling	1.5
3.	IT Infrastructure Assessment	1.0
4.	IT Infrastructure Upgrade	1.5
5.	e-Business requirements specification	2.0
6.	Middleware & e-business systems design and architecture planning	2.5
7.	Middleware development and implementation of e-ordering capability	
	Finalize Middleware Requirements	1
	Phase1. Develop Contract Management System/Mini Data-ware House	3
	Phase2. Develop e-ordering/invoicing capabilities for customers	4.5
8.	Embedding of new capabilities & information culture	.75
9.	Overall programme review	.5
	Associate training	2.5
	Associate holidays	2
Total Months :		24

Benefits and Outcomes

- ✓ Designed/Developed Contract Management Portal
- ✓ KPI Reports for Existing Contracts (Data Warehouse KPI Reports)
- ✓ e-Ordering Portal developed, tested and available for key customers (order capture and invoice retrieval)
- ✓ Process change, skills embedding, new capabilities



User Login:

User Name:

Password:

[LOGIN](#)

Contact information:

email: info@tpg-disableaids.co.uk
www.tpg-disableaids.co.uk



About Us

TPG DisableAids was established in 1985 by Tony and Pam Gibbs, and still maintains a family connection after years of strong trading growth.

This organic growth has meant the business being relocated to Plough Lane, Hereford, allowing TPG DisableAids to become a premier supplier of care equipment and disabled aids to the elderly and disabled markets within an 80 mile radius of Hereford.

TPG DisableAids specialise in the supply, repair, and maintenance of all types of mobility and [disabled aids](#) from stairlifts to [daily living aids](#), and have been supplying and distributing products directly to our customer, NHS, and County Councils.

In that time TPG DisableAids have become one of the main agents for numerous market leading brands with our success is based upon the quality of the products offered and excellent after sales support.

This committed focus on core values has meant TPG DisableAids have become a popular and industry respected distributor of a wide portfolio of products.

TPG DisableAids supply Mobility Aids, including Wheelchairs, Stairlifts, Scooters, Bathlifts and more throughout Herefordshire, Gloucestershire, Shropshire and Worcestershire.

Latest Stairlifts



Stannah 420

"Stannah is a British, family-owned business who design and manufacture all stairlifts themselves within their own purpose built facilities."

[...more](#)



Meditek

"Meditek Stairlifts offer quality as well as affordability. Various options are available including models with linked footrest, power swivel seat and a choice of Stand & Perch or standard seated version."

[...more](#)

Other Products



Robin Overhead Hoist

"Invacare® offers a range of products for mobility including both mobile and ceiling track hoists."

[...more](#)



Bed

"The Invacare® Etude® Basic is a high quality, height adjustable, electric profiling bed that is designed to meet the needs of the modern Community environment."

[...more](#)



Bath Lifts

"This stable, reliable bathlift has a



Powered Wheel Chair

"The Invacare® Mirage™ is a

Tangible Benefits

- Cost Reduction
 - Freeware in house development & support
- Protect Existing Turnover
 - Top 25 customers (1.75M)
- New Business Opportunities
 - £10M potential business opportunities

Conclusion

- E-business capabilities have been introduced without the upheaval of major systems replacement
- This has allowed TPG DisableAids to retain and increase its customer base, and extend life of old legacy systems
- Management and staff have acquired new skills and attitudes, and awareness of e-business trading processes.

:: Thank You ::

Questions?

