



Jeff Hobden





Agenda

- **ECL Introduction**
- **ECL IM Background**
- **ECL IM Case Study**
 - Large Main Contractor
 - Subcontractor Tender Enquiry Process



ECL Introduction



Who ECL are

- **UK based SME**
 - Trading 25 years
 - £4 million Turnover
 - 40 Staff
- **UK & Overseas Markets**
- **Construction IT Specialist**
- **Construction Professionals**
 - Civil Engineering
 - Cost Management
 - Project Management



What ECL do

- **Write Technical software**
 - Design (Architectural & Engineering)
 - Cost (Feasibility, Management & Control)
 - Information, Document & Process Management
- **IT & Business Consultants**
- **Bespoke Applications / Solutions**
- **Implementation / Training / Support**
- **Delivering Business Process Improvement**



Who Are ECL's Clients

- **Government Departments**
- **Local Authorities**
- **Consulting Engineers**
- **Contractors**
- **Developers**
- **Cost Managers**
- **Project Managers**



Global User Community

- **1,400+ client organisations**
- **8,000+ users of ECL Software**
- **120+ new user organisations in 2006.....**



CATO Suite:

- Feasibility/Budgeting
- Cost Planning
- Procurement
- Cost Management
- CADMeasure
- Whole Life Costing

PDS Suite:

- Highway Design
- Site Development
- Overlay Design
- Permanent and Light Rail
- Traffic – Signage and Marking
- Visual Reality

Micro Drainage Suite:

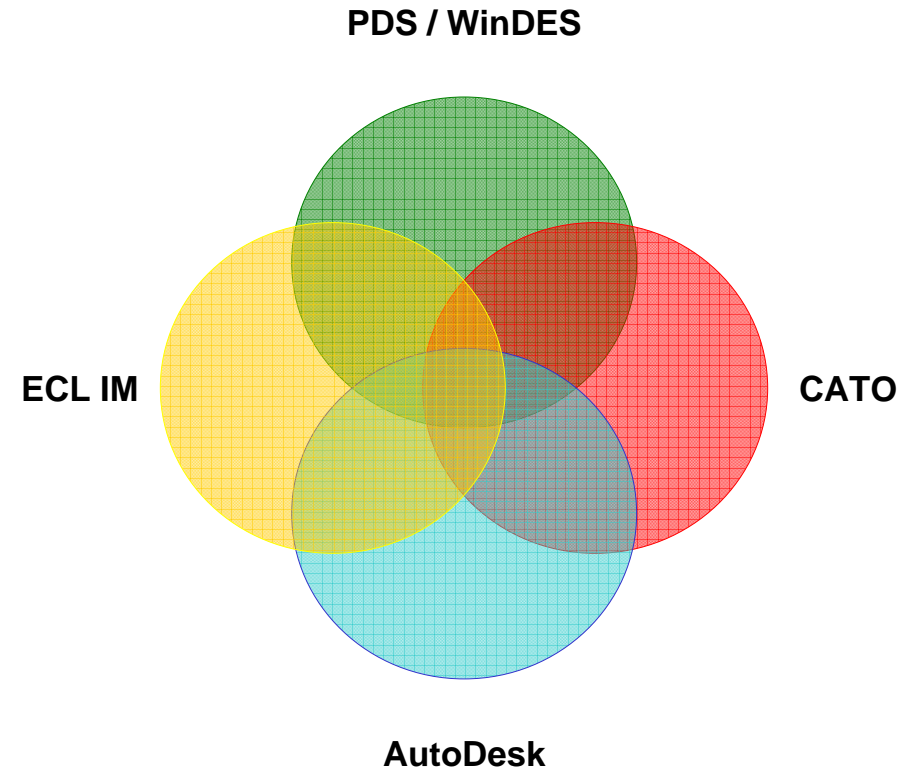
- Hydraulics
- SUDS
- Network simulation

AutoDesk Suite:

- Architectural Design
- Mapping, Infrastructure and GIS

ECL IM:

- Drawing/Document Management
- Workflow/Process Management
- LTP Delivery Process
- Management
- Document Distribution System





ECL Information Manager



ECL IM Overview

- **Drawing, Document & Process Management System**
 - Revision control



ECL IM – Case Study

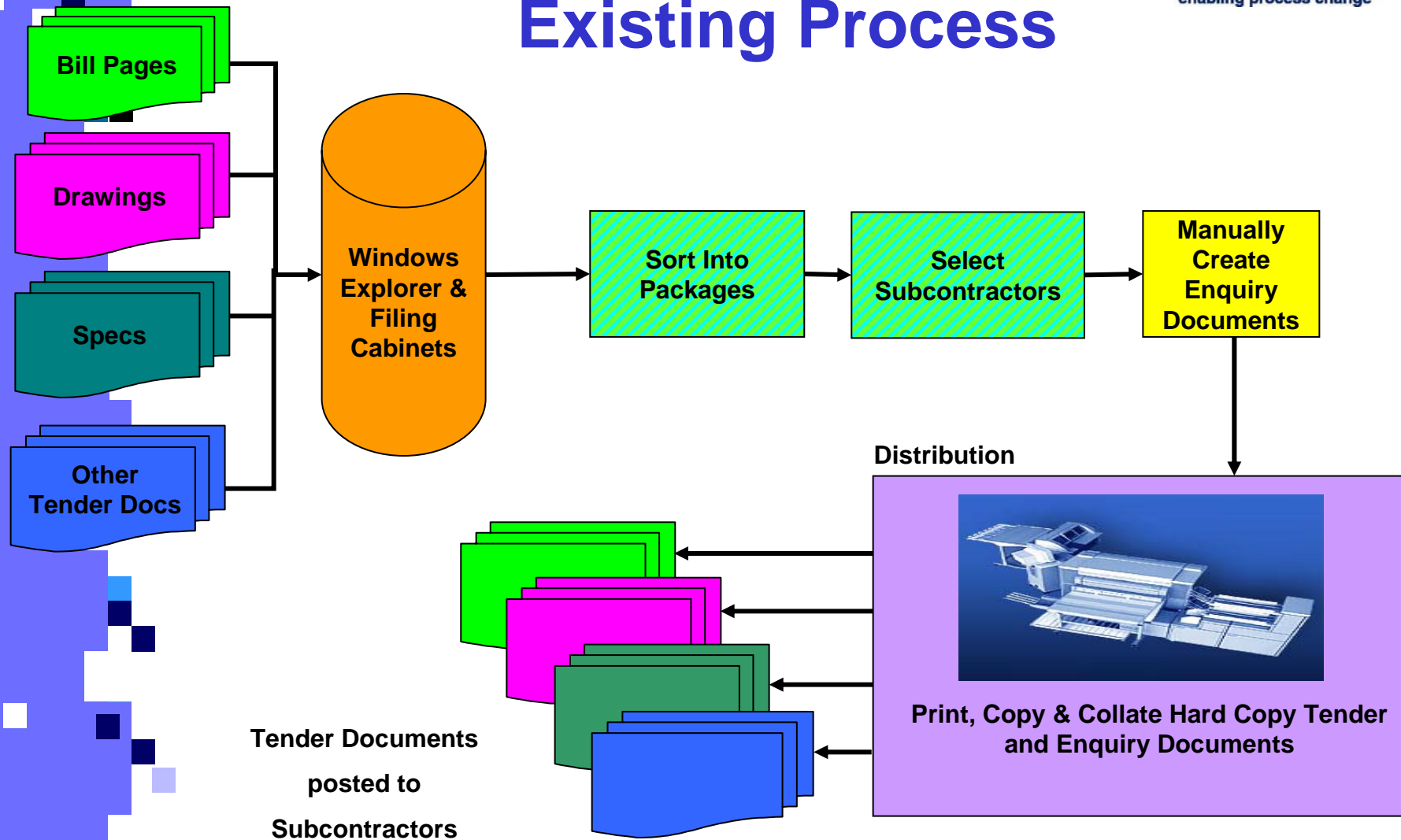
- **Document & Process Management System**
- **Large Main Contractor**
 - General Document Management and Control
 - Supporting Internal Design Office
 - Business Process Control
- **Subcontractor Tender Enquiry Process**



Subcontractor Tender Enquiry Process

- **65 Contracts per Annum**
- **30 Trades per Contract**
- **4 Supply Chain Members per Trade**
- **5000 Subcontract Enquiry Packages per annum**

Existing Process





Issues With Current Process

- **Took Too Long**
- **Cost Too Much**

Manual Standalone Paper Based System



Time Issues With Current Process

- **Labour Intensive**
- **Estimator performing admin tasks**
- **Locating Documentation**
- **Compiling Document/Issue Register**
- **Document Version and Revision Control**



Time Issues With Current Process

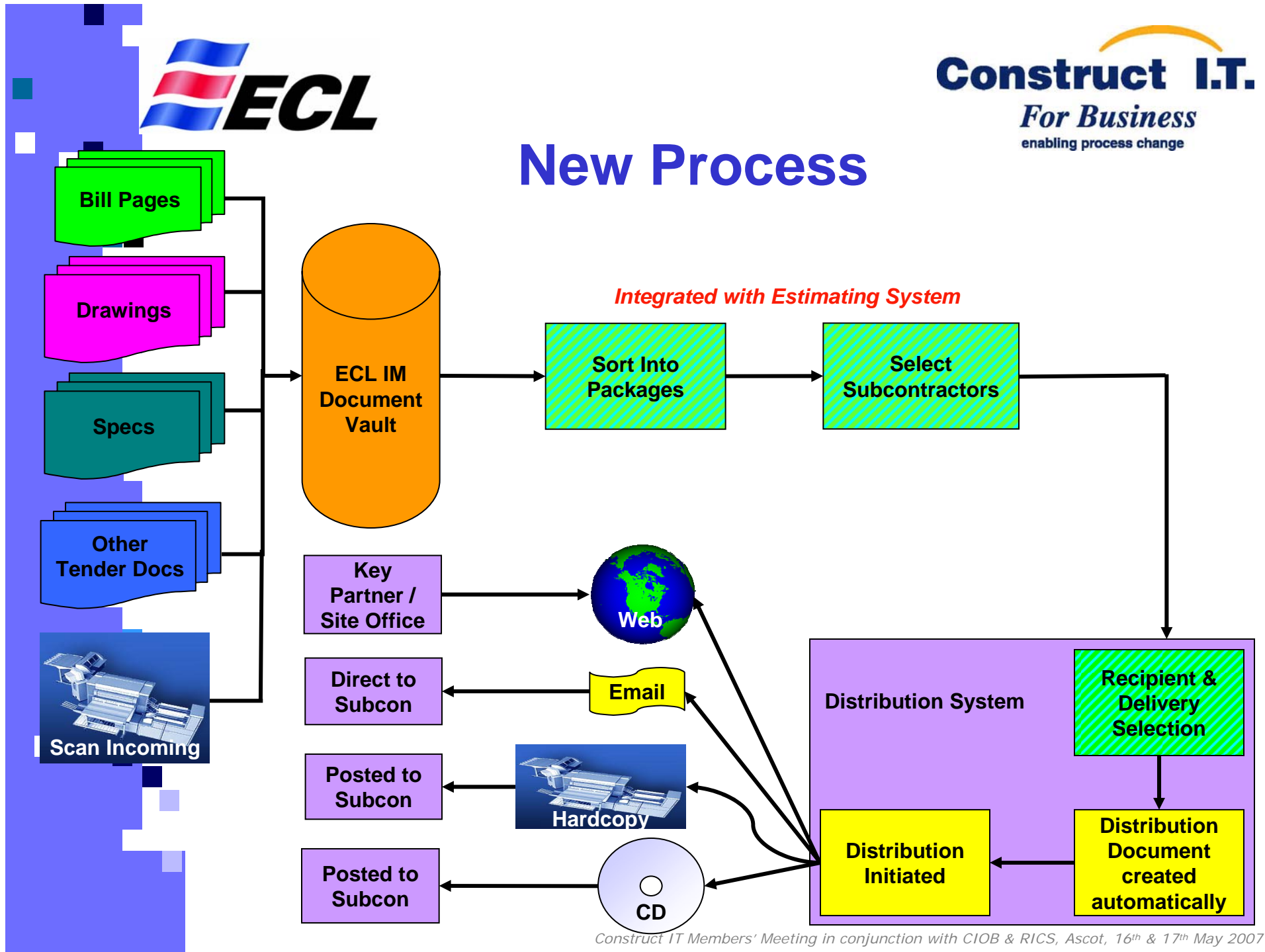
- **Manual creation of Enquiry Documents**
- **Re-Issue Packages**
- **Issuing Updated Documentation**
- **Hard Copy Distribution**



Cost Issues With Current Process

- **Time Costs**
- **Duplication & Hard Copy Issue**
 - Paper
 - Hardware
 - Consumables
 - Resource
 - Mailing

New Process





Time Savings With New Process

- **Less Labour Intensive**
 - Documents Managed by the System
 - Integrated with Estimating System
 - Estimator Time Focus on Core Tasks
- **Finding & Locating Documentation**
- **Automatic Compilation of Document/Issue Register**
- **Document Version and Revision Control**



Time Savings With New Process

- **Automatic Creation of Enquiry Documents**
- **Re-Issue Documents via Issue Register**
- **Distribution Options**
 - Email

SubContractor Enquiry for Contract: Doncaster Unit Westmoor Park Shepherd Developme...



File Edit View Insert Format Tools Actions Help



From: Jeff Hobden

Sent: Thu 11/11/2007 15:28

To: Mark Lock

Cc:

Subject: SubContractor Enquiry for Contract: Doncaster Unit Westmoor Park

Attachments: enquiryDoc_Email Company_Mark Lock.doc (124 KB); Distribute_111104_152817.zip (1 MB)

We are tendering for the above main contract works and invite your quotation for the Sub-Contract Works in the attached documents.

Your quotation should be submitted to us on the attached Enquiry for Sub-Contractors Quotation, to arrive no later than stated therein.

The remaining attachments are documents which support the enquiry



Time Savings With New Process

- **Automatic Creation of Enquiry Documents**
- **Re-Issue Documents via Issue Register**
- **Distribution Options**
 - Email
 - CD



London Res Home for Little Sisters (457840)

ROOFING ZINC.doc

Preliminaries

PRELIMS1

PRELIMS2

PRELIMS3

PRELIMS4

Specifications

Bill Pages

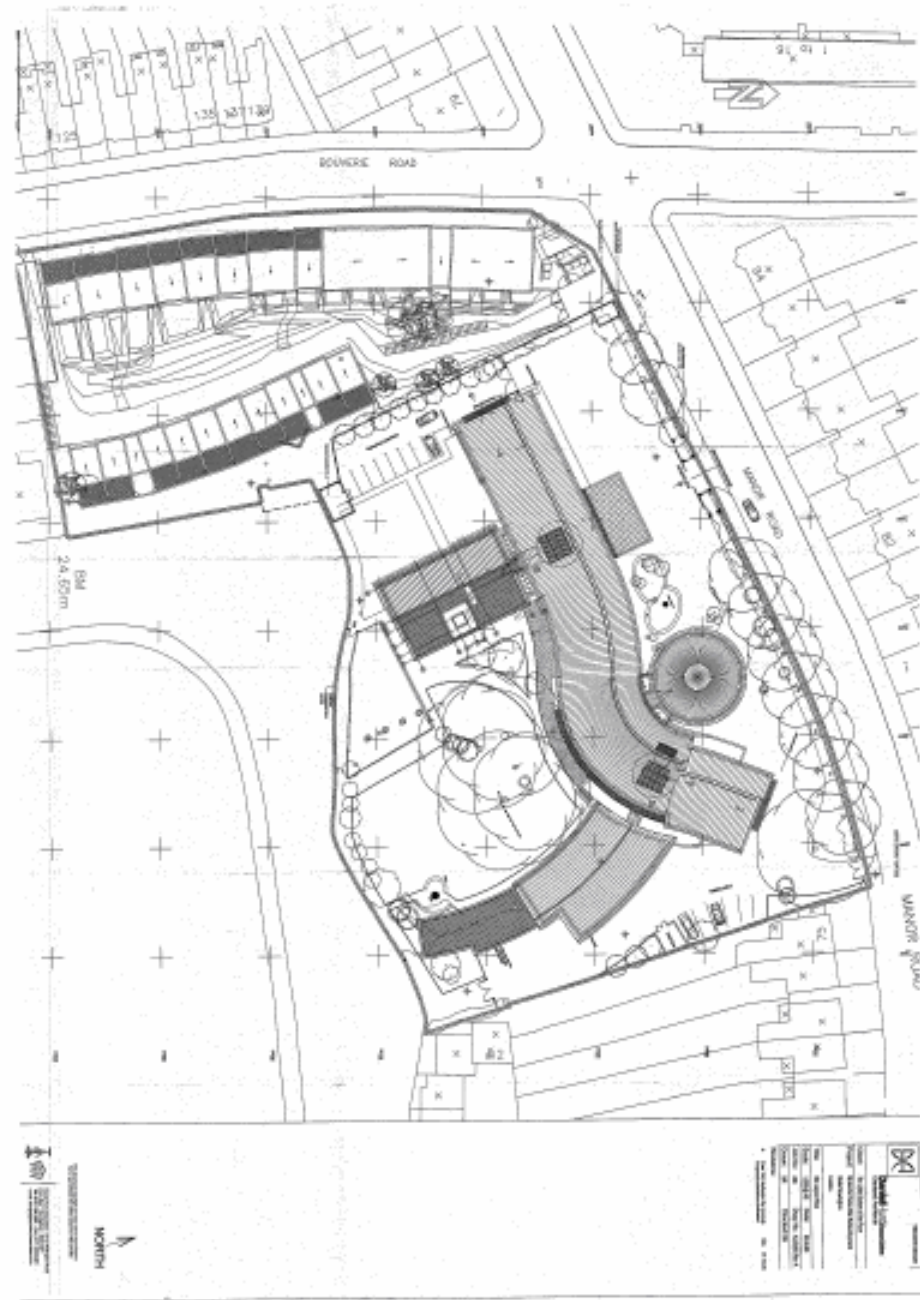
Drawings

Save Files

Print Documents

User Guide

Exit





Time Savings With New Process

- **Automatic Creation of Enquiry Documents**
- **Re-Issue Documents via Issue Register**
- **Distribution Options**
 - Email
 - CD
 - Web

Documents

Under Revision By Revision Number Work Area Size Submit Release Date Time

<ul style="list-style-type: none"> Doncaster Unit Westmoor Park Developments (7655) <ul style="list-style-type: none"> Bill Pages ✓ <ul style="list-style-type: none"> <input type="checkbox"/> 1_16_1.tif <input type="checkbox"/> 1_3_1.tif <input type="checkbox"/> 1_6.tif <input type="checkbox"/> 1_7.tif <input type="checkbox"/> 1_9_1.tif <input type="checkbox"/> 2_1_1.tif <input type="checkbox"/> 2_13.tif <input type="checkbox"/> 2_14.tif <input type="checkbox"/> 2_15.tif <input type="checkbox"/> 2_16.tif <input type="checkbox"/> 2_23.tif <input type="checkbox"/> 2_24.tif <input type="checkbox"/> 2_25.tif Issues Reports Specifications Glasgow Gatehouse & Infra Work (7120) 						Administrator	1	61720	2/11/2004 5:41:43 PM
		1	67020	10/27/2003 10:15:48 AM					
		2	502070	10/27/2003 10:24:36 AM					
		2	520305	10/27/2003 10:21:36 AM					
		3	61720	10/27/2003 10:24:38 AM					
		2	74756	12/4/2003 2:28:43 PM					
		1	74756	10/29/2003 12:11:00 PM					
		1	67020	10/27/2003 10:11:45 AM					
		1	74756	10/29/2003 12:11:02 PM					
		1	67020	10/8/2003 11:26:25 AM					
		1	32734	10/27/2003 10:11:45 AM					
		1	32734	10/27/2003 10:15:49 AM					
		1	74756	10/27/2003 10:15:47 AM					



Time Savings With New Process

- **Automatic Creation of Enquiry Documents**
- **Re-Issue Documents via Issue Register**
- **Distribution Options**
 - Email
 - CD
 - Web
 - Hard Copy



Summary

- **Process now 70% faster**
- **99% Cost Reduction to Distribute a Typical M&E Package**
 - **Hard Copy**
 - £213 print Costs x 4 M&E Subcontractors = £852.00
 - **CD Rom**
 - £2 per CD-Rom x 4 M&E Subcontractors = £8.00



Cost Benefit Analysis

Doc Type	M&E Package Docs	
	Qty	Print Cost (£)
Bill Pages	0	0
Specifications	833	83.30
Drawings	312	
A3	102	20.40
A1	78	40.56
A0	132	68.64
Preliminaries	1	0.10
TOTAL	1458	213.00

Size	B/W (£)	Colour (£)
A4	0.10	0.24
A3	0.20	0.48
A2/1/0	0.52	N/A