

Sample Development Projects

- ❑ Design and development of a lightweight MRP/ERP system (ERPLite). This covers part definition (including multiple build lists), Purchasing requests and Orders, Stock Control and Kitting. Developed for **EW Simulation Technology** using SQL Server and VB.net.
- ❑ Design and development of a system to sell and construct Kitchens and Bathrooms for **Linkwood Engineering**. This involved Sales Order Processing, Bill of Materials, Stock Control, Delivery note generation and Exporting to saw and drill programs. Developed using Delphi and Access.
- ❑ Design and development of a recruitment system for an agency. Developed using Delphi and SQL Server this is now being sold as a component of the **ItBIS** suite of programs.
- ❑ Design and development of an inhouse requirements management tool using SQL Server and VB.net. This now being sold as a separate product (**RASP**).
- ❑ Design and development of a simple Document Management System for **Thorn EMI**. Developed in Delphi and SQL Server.
- ❑ Design and development of an Intranet based system to provide quick access to test results files for **Astrium**
- ❑ Design and development of a multi-sensor detection program for **Thales**. Involves processing the data from several sensors (image, GPR, Infra Red etc.) and using data fusion techniques to consolidate the data.
- ❑ Implementation of part of the Sea King radar (SAR/ASK) subsystem for **Racal**.
- ❑ Design and development of an accident investigation database in MSAccess for **MOD**.
- ❑ Design and development of a multi user army battlefield communications trainer for **Hunting Engineering** using INGRES and C on VAX and PC.
- ❑ Upgraded an air traffic control system trainer and enhancements in Coral 66 for the **CAA**. The system was upgraded from CORAL 66 on PDP, to SD CORAL on VAX.
- ❑ Design and development of a communications subsystem in C for **NRSC**.
- ❑ Migration of critical network support software from FORTRAN to C for **BT**.
- ❑ Design and development of a customer relationship management tool tailored for the placement of IT contract personnel for **CORAL**.
- ❑ Design and development of a database system for **DERA** to store and retrieve test result files. Result files are in Excel format, implemented in Access.
- ❑ Design and development of several areas of a battlefield communications system for **GEC Marconi 3CI**, written in CORAL 66.
- ❑ Design and development of an inventory control program and sales order processing system for the woodworking industry for **Linkwood Engineering**. Implemented using Delphi, Paradox and Access.
- ❑ Documentation through reverse engineering of a major project for **SEMA Group** which had been developed using JSD and Ada.
- ❑ Design and development of several projects associated with a large EW system for **Racal Radar Defence Systems**. Projects included:
 - Study to link the system with a new command system produced by a third party
 - Improvements to a high-speed data acquisition system. Data is stored on SCSI disks in a proprietary format using ASPI level calls. Developed in assembler.
 - Design and development of a system in Delphi to analyse and display the data acquired by the data acquisition system.
 - Design and development of a system to produce configuration tapes from data input by operators and data extracted from a master database. Developed in Delphi.
 - Design and development of a real-time NT system to replace a bespoke intelligent terminal. Developed in Delphi.

- ❑ Design and development of an Unmanned Aircraft Ground Station for **MOD DERA** developed in “C”/Occam, including:
 - Design and implementation of RPV ground station software.
 - Implementation of vehicle based communications firmware.
 - Implementation of hardened disc driver and protocol handling software.
 - Ground replay aircraft data logging and analysis.
 - Development of ‘tote’ display software.
 - Development of digital mapping software.

- ❑ Correction of errors, followed by updates, to a telecommunications package for the **Meteorological Office**, written originally in C. The system would crash at least three times per day. CORALSys analysed and fixed all known bugs, and then implemented several updates.
- ❑ Updates to an aircraft equipment database and finance database for **DERA**. Originally written in Access 2, CORALSys updated to Access 97.
- ❑ Developed client re-seller database to implement HP programme. Written in Paradox for **Birch Technology**.
- ❑ Design and development of secure gateway software for **EDS**.
- ❑ Automotive engine test system developed in Ada and sold as a commercial product.
- ❑ Library management system to control small project libraries written in Paradox as a commercial product.

Sample Consultancy Engagements

- ❑ Project Management services for EWST to get a large project back on schedule.
- ❑ Consultancy services for the development of Battlefield communications for **AMS**
- ❑ Consultancy services for the development of broadcast systems for **Shotuko**
- ❑ Consultancy services for the provision of a Consortium Secure Network on behalf of **Hunting Engineering**.
- ❑ Design and development of Web Pages and an Internet facility for **NRSC**.
- ❑ Consultancy and development services for the specification and development of a secure database for **Matra-Marconi**.
- ❑ Design and development of EW and radar system software for the Replacement Maritime Patrol Aircraft and its derivatives for **Racal**.
- ❑ Implementation of a battlefield engagement subsystem for **Alenia-Marconi** in 1996.
- ❑ Design and development of an army command and control system for **Alenia-Marconi**, in Coral 66.
- ❑ Design and development of a naval command and control system for **Alenia-Marconi** in Coral 66.
- ❑ Design and development of a naval command and control system for **BAe SEMA**, in Ada.
- ❑ Consultancy and installation support services associated with a pilot NT rollout investigation for **MOD DSSD**.
- ❑ Design and implementation of a JIT Database system for a **major defence contractor**.
- ❑ Implementation of software for a hardened display for **Alenia-Marconi**,.
- ❑ Design and development of a Solar Cell Calibration system for **MOD DERA** developed in "C".