

Grampian- Duty Allocation System

JK Technosoft's Role

Grampian DAS was looking for a leading IT solutions provider on Progress Technology. JKT with its depth of knowledge on Progress, capability to provide offshore services & expertise in Oracle, made an obvious choice for Grampian DAS.

About the Company

Established in 1970, Grampian Software provides industry-leading software for Human Capital Management to the public transport industry and specialist stock control systems to the Whisky Industry. Grampian has been a major supplier of software to the bus industry since 1984. Grampian is the preferred supplier of duty allocation applications to a number of the major bus operators in the UK.

Application Details

During a market study, Grampian realized that if the Duty Allocation System can run with Oracle and MS SQL databases it's easier to sell it to USA and other major countries. Accordingly, Grampian decided to undertake the project to enable the application as Oracle compliant.

OpenAllocation forms part of the total employee management solution of Grampian for the transport industry. Duty Allocation provides a comprehensive management facility for the successful running of employee rotas that are operated during the working week. The system takes the information from a planned schedule of activity, allocates resource and provides a tool to record and manage changes to this planned schedule. The information from Duty Allocation can then be used for the production of timesheets ready for input into payroll.

JK Technosoft started the project by understanding the requirement. Hence, started with the following activities:

- Understand the Grampian working environment
- Understand the DAS
- Finalize the testing methodology
- Finalize the programming standard for enabling the DAS as Oracle compliant
- Finalize the project schedule

Thereafter, the project was executed from India offshore team. This involved the following activities:

- Developing Oracle environment using Progress Dataserver for DAS
- Suggesting Grampian the Database changes needed
- Modifying the Progress code as per guidelines
- Review of the changes and fixing any deviations
- Testing the modules and fixing any issues
- Delivering the module modified code to Grampian
- Testing of the delivered modules by Grampian and informing any defects
- Fixing any defects
- Checking the performance and altering the code or suggesting further database changes.

Features of the System

The **key features** of Duty Allocation System are:

- Multiple, Fixed or Rotating Rotas
- Detailed Duty Definitions
- Multiple Pay Grades
- Maintenance of Holiday Cycles
- Pre Allocation of Duty Changes
- Duty Swaps
- Multiple Splitting of Duties
- Facility to Add Unscheduled Work
- Employee Sign On Reports
- Lateness, Absence and Sickness Recording
- Duty & Employee Transfers Within Depot
- Timesheet Output
- Interface to Scheduling Systems

Technology Used

Progress Version 9.1D, Dynamics, Oracle 9, Roundtable, Unix

