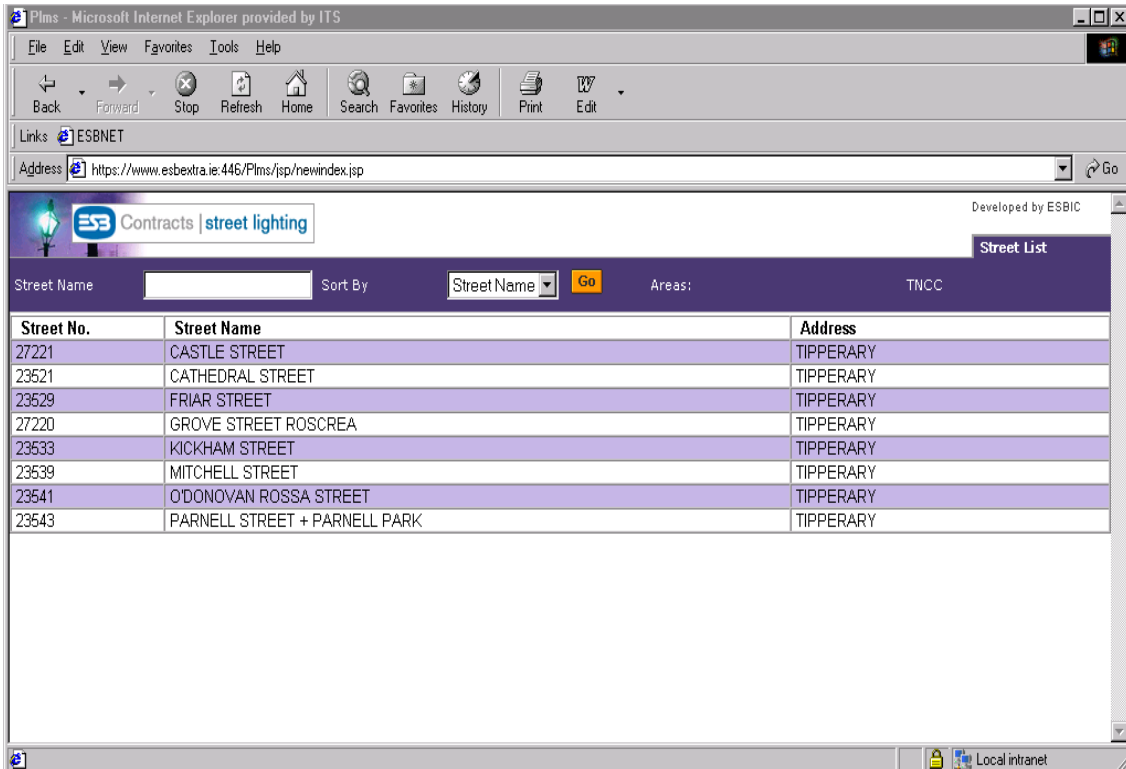


ESB PUBLIC LIGHTING MAINTENANCE SYSTEM FOR LOCAL AUTHORITIES



Client

Irish local Authorities

Background

ESBI Computing developed a web based extranet on behalf of ESB Contracts which, provides information to all Irish Local Authorities regarding their public lighting systems. The web-based extranet site is password protected and accessible to Local Authorities who have registered for the service.

Solution

ESBI Computing designed a web-based solution that will enable all Local Authorities access to details of all the public lights in their area. ESB has an in-house VAX-based system called PLMS (Public Lighting Maintenance System), which is used to store all the information in relation to the maintenance of each light. Each Local Authority can retrieve information on the public light in their area by street name or street number. They can then drill down on the various options and get details on any faults that may have been reported on the light, the lumination type and wattage, when it was last replaced, who maintains the light, when it was installed, the light class and various other related details.

Benefits and Features

- More timely and detailed information on your electricity costs
- An opportunity to identify trends and exceptions in energy consumption, allowing you to take actions to minimise or avoid costs
- An opportunity to reduce administration costs
- An opportunity to better manage energy costs leading to environmental benefits
- Access to your account information 24 hours a day, 7 days a week

Technical Description

The Extranet was developed using JavaScript, HTML, JAVA classes, JSPs and JAVA Servlets. IIS is the Web Server and IBM's Websphere is the application server used and the system accesses data located in ESB's Oracle databases. Security is ensured through https/ssl and client side digital certificates. Users must log on using a secure ID/password combination, which is created via access management screens sitting on the internal network. Every access to the system is logged in an Oracle Database using a JDBC connection.