

Illumination of Steam Raising Boiler House using Secondary Reflective Lighting System

Project Description

The project was the illumination of a steam raising boiler house using secondary reflective lighting.

The boiler house is 35m x 35m x 10m high. The boiler house is heavily serviced with four boilers and associated ancillary equipment.

There would be difficulty in accessing high level luminaires for maintenance and lamp changing, because of the congested floor area due the high concentration of equipment, therefore consideration was given to generally illuminate the area using a secondary reflective lighting system complete with the addition of local low level fluorescent luminaires. The secondary reflective lighting system comprises high level multi cell maintenance free reflectors, mounted at precise angles, with corresponding low level high intensity spot lights.



Vision Rendering View of Boiler House From Side

This method of illumination: -

- Greatly reduces high level installation work
- Gives uniformity of illuminance by the use of high level reflectors
- Eliminates the need to return to high level to clean the maintenance free reflectors
- All lamps are replaced at low level
- Demonstrates that risks of falls from high level have been reduced during installation
- Demonstrates that risks of falls from high level have been eliminated during maintenance of lighting and lamp changing

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