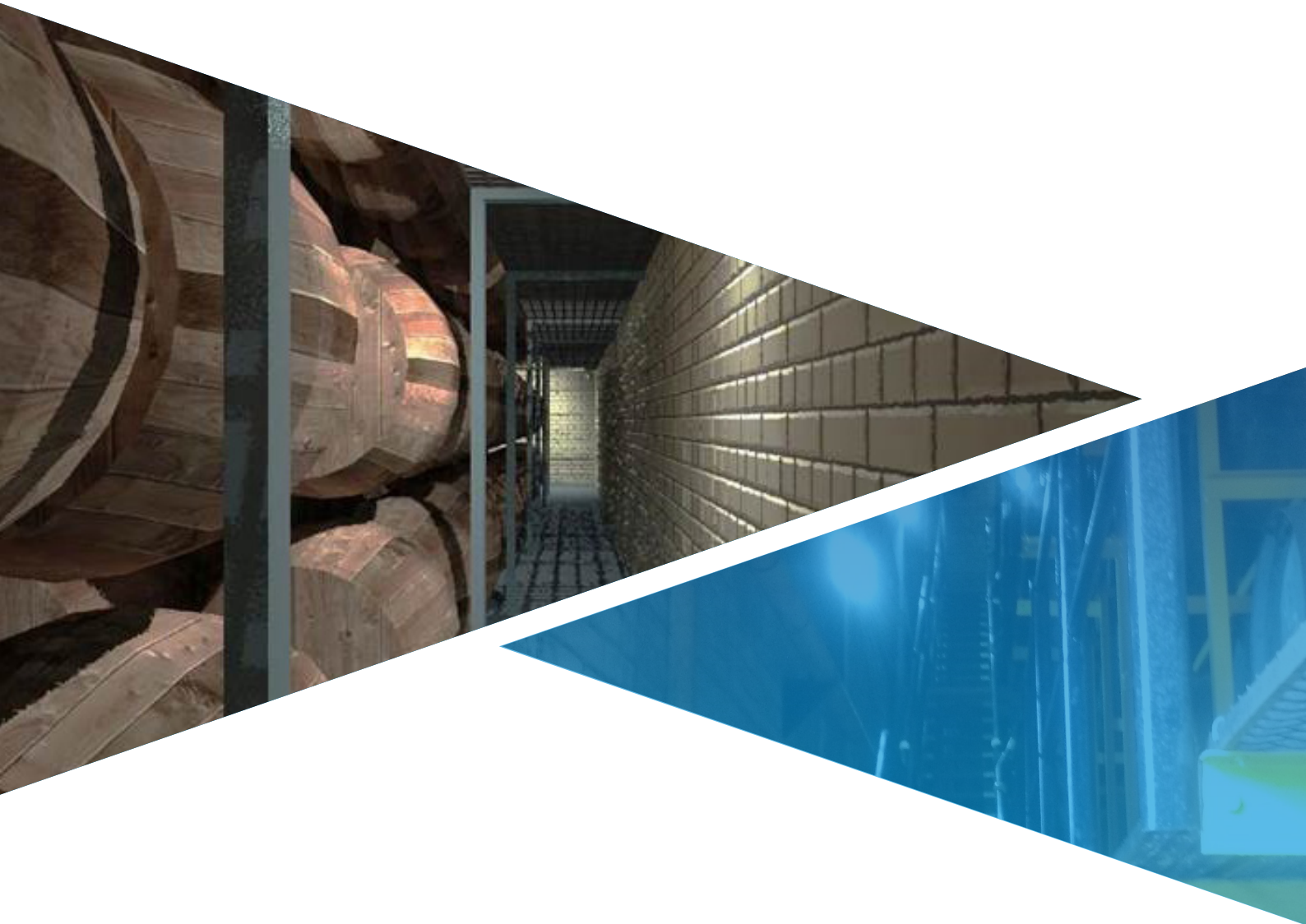


# DRON & DICKSON

## WAREHOUSE LIGHTING

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Case Study





Dron & Dickson's highly experienced CompEx trained Hazardous Area Materials Experts provide a complete end-to-end Lighting Project Management and Consultancy Service.

#### The Background

A global leader in beverage alcohol needed a new lighting solution for their bonded warehouses. The current standard and emergency lighting was failing and providing poor lighting levels.

The warehouses are largely occupied by many high racks of barrels, tight stairwells between floors and narrow walkways. This creates a unique and challenging space to illuminate. Due to the nature of the products being stored and their potential for ignition, many areas of the warehouses are classified as Zone 2 hazardous areas.

#### The Project

After an extensive survey and consultation with a range of manufacturers, a suitable replacement LED lighting solution was decided upon.

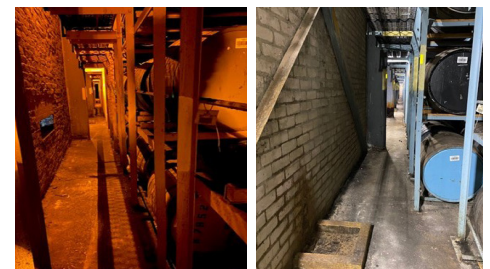
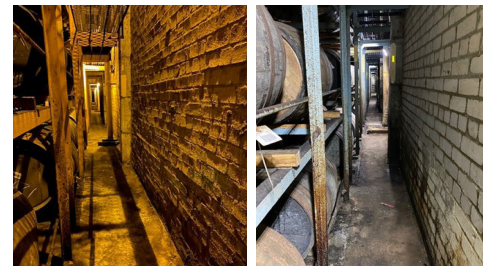
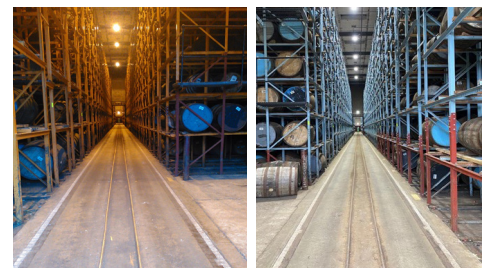
- A Central Battery Unit system (CBU) was chosen for the emergency lighting, eliminating additional battery maintenance requirements and reducing spares inventory. The CBU requires light fittings that run on both AC and DC voltages which formed a basis for the choice of light fitting.
- Bulkhead and Highbay lights were combined into a lighting design to maximise light levels and quality. The lighting design incorporated a specially designed bracket for the bulkhead fittings that angles light to avoid glare and maximizes light filtering through the grated floor.
- Dron & Dickson project managed the material provision and provided technical support on the manufacturer selection and lighting design.
- Throughout the project, Dron & Dickson worked hand in hand with the contractor on the installation.
- Dron & Dickson supplied all light fittings and electrical components at market leading rates.

#### The Result

Health & safety on-site is vastly improved due to the improved lighting quality and visibility. The CBU lighting design consolidates emergency power source equipment to one small unit per warehouse saving time and money on ongoing inspection and maintenance.

#### Lighting Quality Comparison

Before (L) vs. After (R) Installation



#### Warehouse and Stairwell After

