



In a word

**EXPERTISE**

Raising & lowering equipment  
for lighting installations



BY APPOINTMENT TO  
HER MAJESTY THE QUEEN  
LIFTING EQUIPMENT MANUFACTURERS AND ENGINEERS  
PENNY HYDRAULICS LIMITED  
CHESTERFIELD

**Penny**Hydraulics

R&L SYSTEMS



## Expertise you can trust

**Penny Hydraulics R & L Systems supply and install raising and lowering equipment for lighting installations such as chandeliers and high mast lighting, allowing maintenance of otherwise inaccessible light fittings and installations from ground level.**

We offer manual, electric, remote controlled, interior and exterior winching systems. Our complete design package means that we work closely with architects and structural engineers through the commissioning, manufacture, installation and maintenance stages of a project.

Our own purpose-built premises house our manufacturing and assembly plant where we carry out all the functions of a fully integrated company with design, manufacturing, installation, aftersales support and nationwide service operation.

With over 30 years' experience, we are the leading authority in this field and install and maintain lifting and lowering systems for chandeliers and other lighting installations in museums, hotels, courts, theatres, stadiums, breweries, railways, retail premises, stately and private homes. Prestigious locations include Buckingham Palace, Windsor Castle, Westminster Abbey, The Royal Academy of Arts, Royal Courts of Justice and The Victoria & Albert Museum.

### > WHAT WE DO

Our core in-house capabilities include:

- Site Surveys
- Design
- Risk Assessments
- Project Management
- Manufacture
- Inspection
- Statutory Examinations & Testing
- Eye Bolt Testing
- CE Marking
- Quality Documentation
- Delivery
- Service

## Expertise in innovation

Our winching systems incorporate the use of **Contact Suspension Units** which combine innovative design with robust construction and simple, reliable operation.

When the light is in its raised and operating position the Contact Suspension Unit automatically makes the electrical circuits and engages a “mechanical lock”, consequently relieving the winch, pulleys and wire rope from tension.

Unlocking the unit to lower the light for maintenance automatically breaks the electrical circuits therefore no live cables are lowered with the fitting.

The system is operated by a remote self-sustaining hand winch or motorised winch which is connected to the Contact Suspension Unit by a steel wire rope. Pulleys are supplied to carry the wire rope along the desired rope runs.

One man sited at the winch position can easily and quickly lower the light for cleaning and maintenance without the need for ladders or scaffolding.



LEFT: example of a motorised winch installation

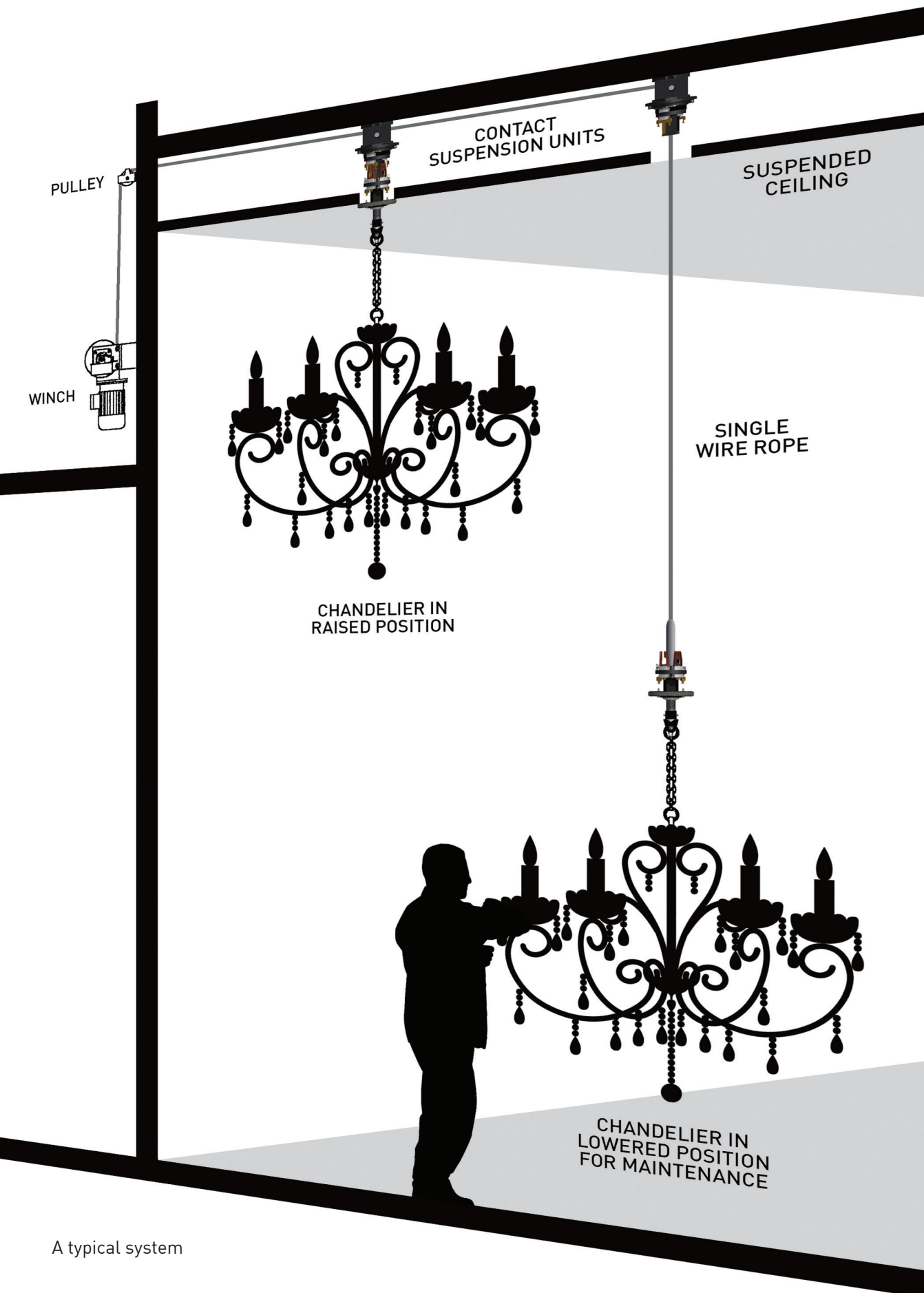
TOP: Contact Suspension Unit locked (left) and unlocked



### > COMMON APPLICATIONS

- Chandeliers
- Places of worship
- Theatre & stage light bars
- High bay lighting in factories, hangars & workshops
- Menu boards
- Hanging art such as pictures & sculptures
- High mast lighting in car parks & railway marshalling yards
- Advertising material in shopping centres





A typical system



## Expertise in safety

Penny Hydraulics R & L Systems are experts in helping employers fulfil their duty of care to employees. All products comply with best practice guidelines by eliminating the need to work from height and ensuring that the suspended load has two means of support.

All systems are tested and certificated to LOLER regulations and our service packages ensure continuation of these compulsory annual checks. Although our systems are most commonly used for lighting fittings such as chandeliers, high and low bay lights and high mast lighting, they can also be used for other items such as menu-boards, artwork and speakers.

We are fully accredited to ISO9001, are UVDB (Utilities Vendor Database) registered and Safe Contractor Approved. Our site engineers are registered under the Construction Skills Certification Scheme ensuring good working practices and relationships are established and maintained well beyond the lifespan of the project.

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### > PROJECTS

- Buckingham Palace – chandelier winching systems in the ballroom
- Royal Academy of Arts – winch systems for lighting and art installations throughout the premises
- Asda – winching systems for outdoor high mast lighting installations
- Urban Outfitters – bespoke lighting frames for merchandise and advertising material
- Hilton Hotels – lighting installation in Hilton Heathrow T5, ballroom and Hilton Wembley Stadium in the main foyer
- Jamie's Italian – raising and lowering systems for menu boards

Clients include:



## Talk to the experts today

Penny Hydraulics R & L Systems are the leading authority in the design, manufacture, installation and service of specialist lighting maintenance and winching systems. Contact us to discuss the solutions available to you.



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