



Rope Access

From early beginnings to the future in
the UK and beyond



What we are going to look at

- History
- Development
- Accident statistics
- Categorization
- Where to use
- What to use it for

What we are going to look at

- Benefits
- Rope access world-wide
- Standards & codes of practice



Photo: Hi-Rope

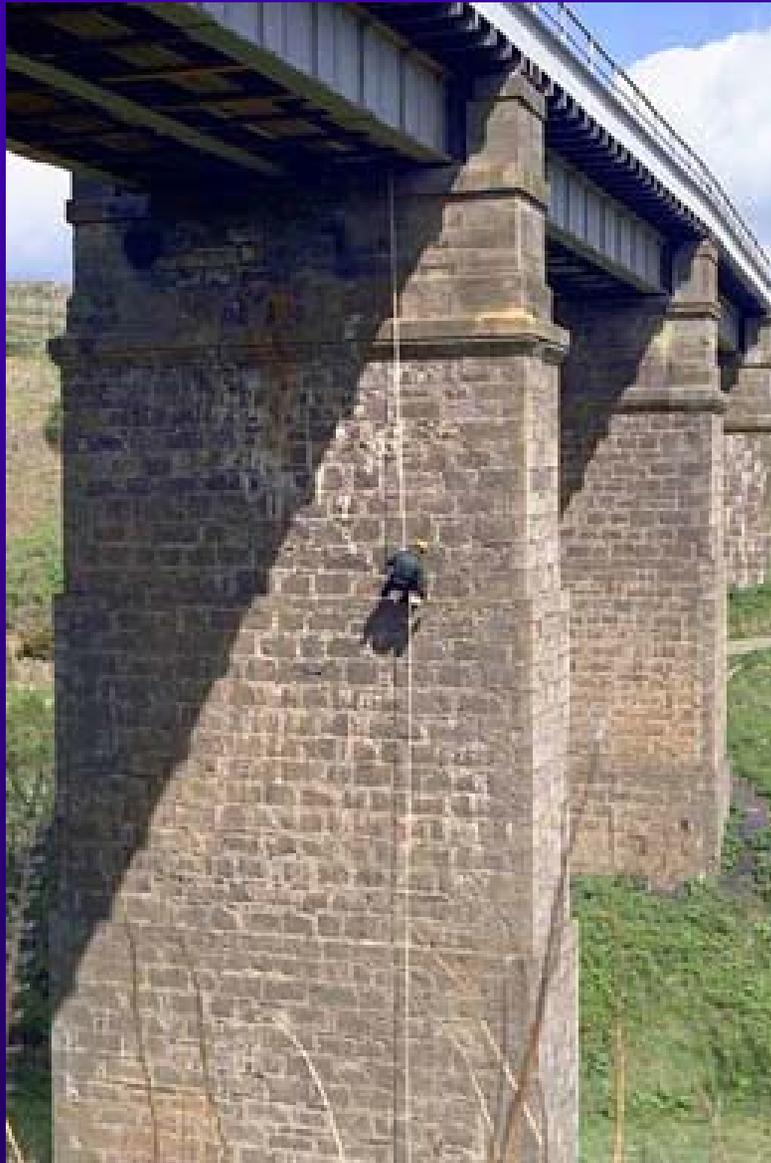


Photo: Hi-Rope



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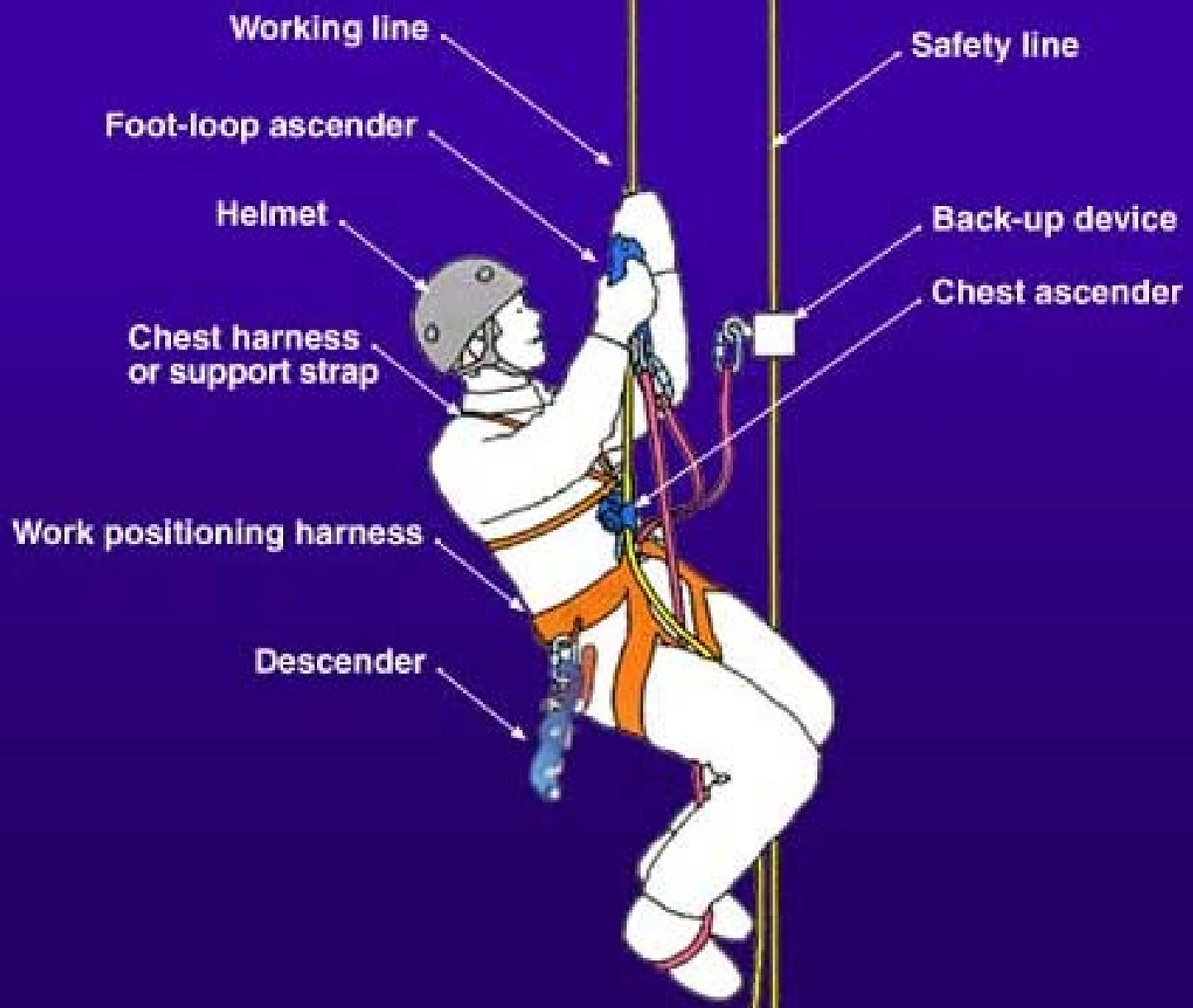
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industrial rope access
trade association

Key elements

- Techniques
- Training
- Supervision
- Equipment



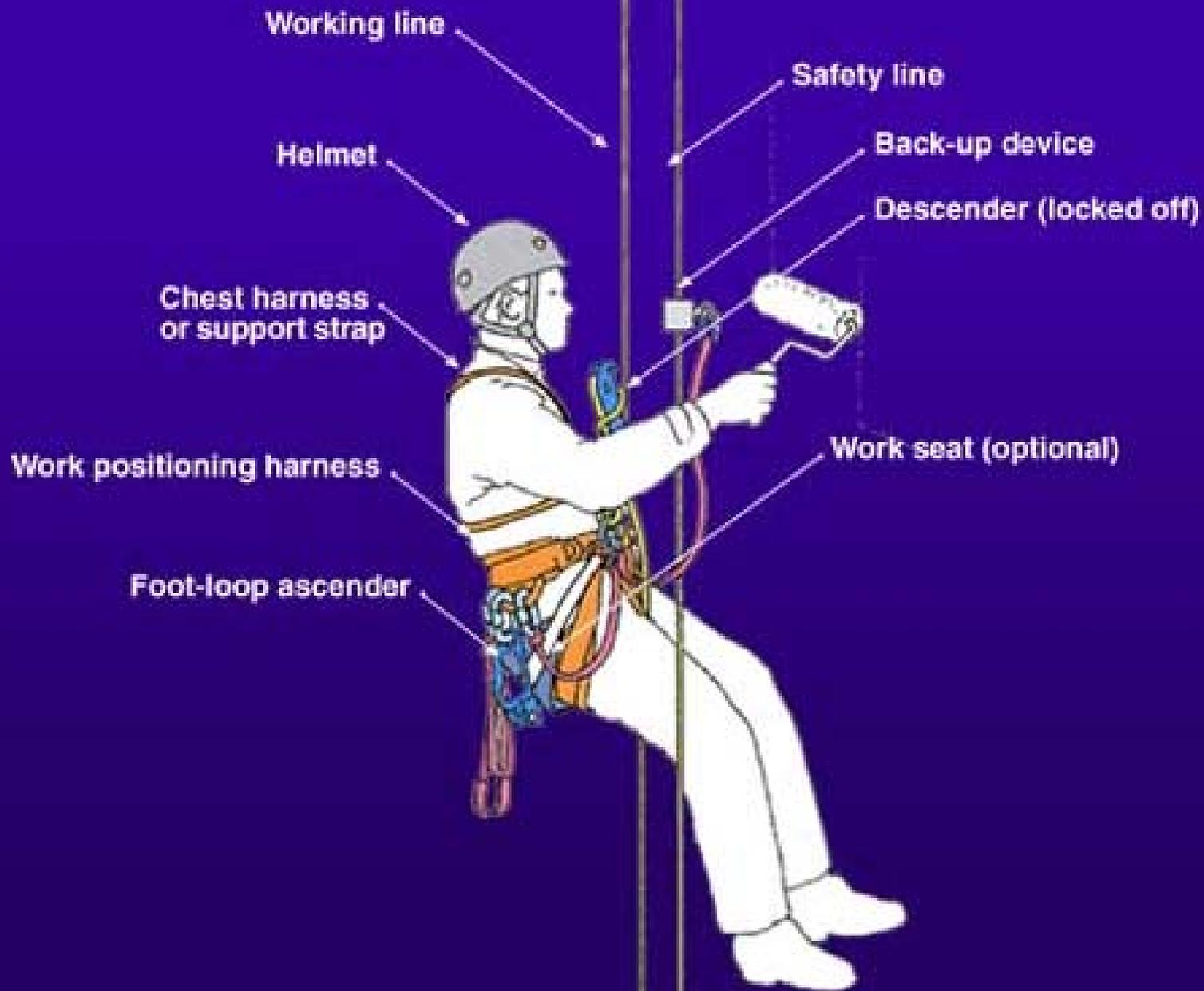




Photo: Hi-Rope

Training - IRATA system

3 levels of IRATA rope technician:

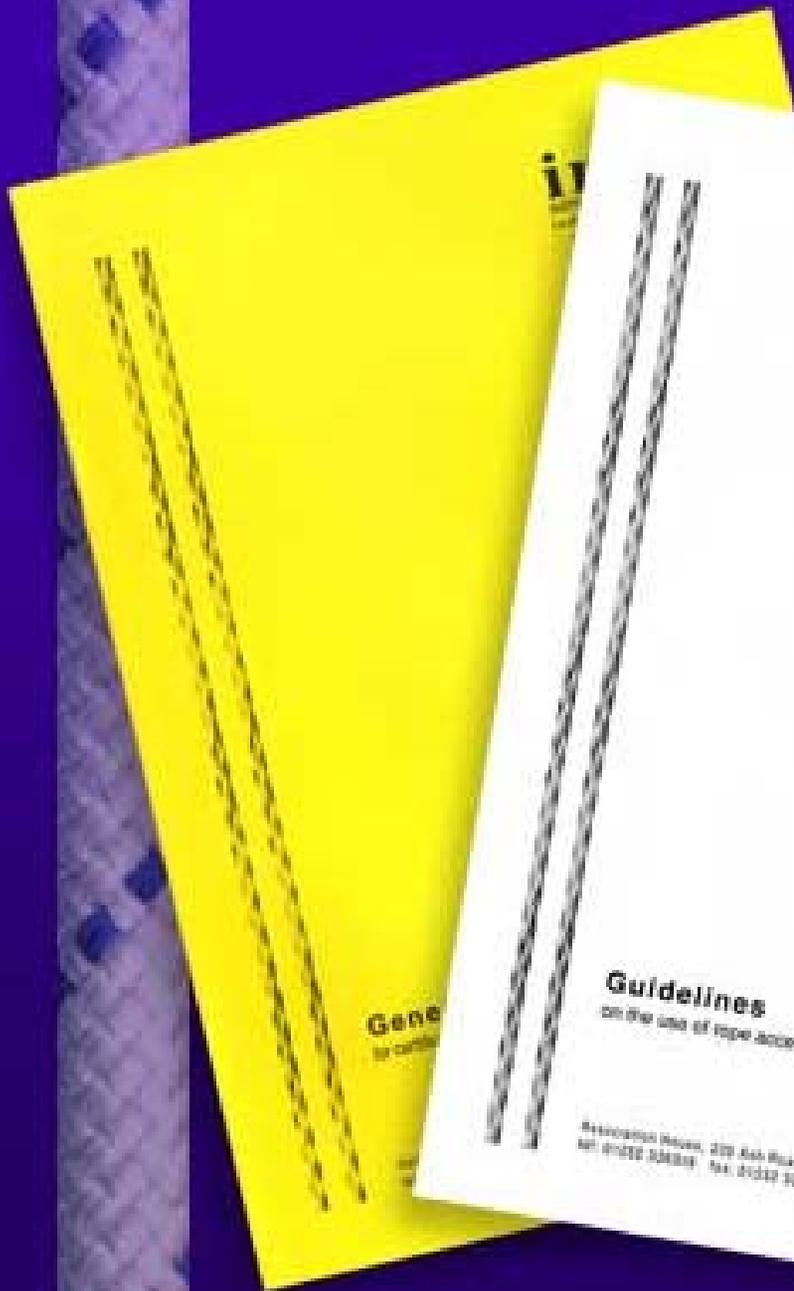
- Level 1: trainee
- Level 2: lead technician
- Level 3: supervisor

Assessors

Assessors are independent of the training organization

Supervision

It is essential to have good supervision on any work site



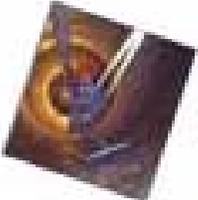
Gene
in collaboration



Rope Access ...

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Guidelines

on the use of rope access methods for industrial purposes

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Accident statistics 1989-1998

Summary

- > 5 million hours on rope - no fatalities
- Approx. 85 accidents while on rope
- Incident rate of 4.7 per 100,000 hours
- Only 13% reportable under UK law
- Most accidents caused by use of tools
- Only 2 cases of injury caused by a fall

What is rope access?

Suspended access system

- Rope access
- Boatswain's chairs
- Cradles

Hierarchies

- Fall protection
- Risk

Fall protection hierarchy

- Work restraint (travel restriction)
- Work positioning
- Fall arrest

The risk hierarchy

1. Eliminate the risk (highest level)
2. Protect the site
3. Protect the site and the person
4. Protect the person (lowest level)

Where to use rope access

- High-rise buildings
- Bridges
- Road-side cliffs
- Masts, towers, radar dishes
- Shafts
- Atria

Rope access can be used for:

- Inspection & testing
- Maintenance & repair
- Cleaning & painting
- Window cleaning
- Geotechnical



The benefits...



Photo: Hi-Rope

Rope access worldwide - IRATA technicians at work

- Australia
- Canada
- China
- Dubai
- France
- Germany
- Holland
- New Zealand
- Norway
- Indonesia
- Sarawak
- Singapore
- South Africa
- Thailand
- UK
- USA
- Vietnam
- Zimbabwe

National rope access associations

- Australia
- France
- Germany
- New Zealand
- Norway
- South Africa
- UK
- USA

Standards and codes of practice

- United Kingdom
- Australia and New Zealand
- Norway
- South Africa

We have looked at

- History
- Techniques
- Training
- Supervision
- Accident statistics
- Position in the hierarchies

We have looked at

- When to use
- Where to use
- What to use it for
- Benefits
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