

# Rope Access - Unusual Structures - Spinnaker Tower

## The Problem/Challenge

Construction and maintenance of an **iconic and unusual structure**.

## The Risks

**Falls from height during future maintenance operations** including aircraft light replacement access, observation deck external window cleaning and painting of metal surfaces.

## The Solution

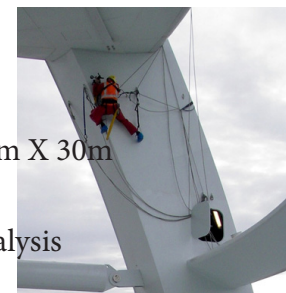
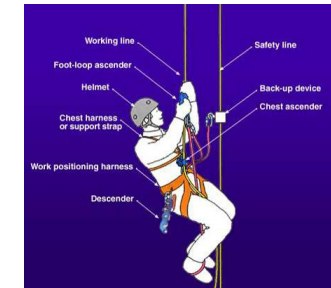
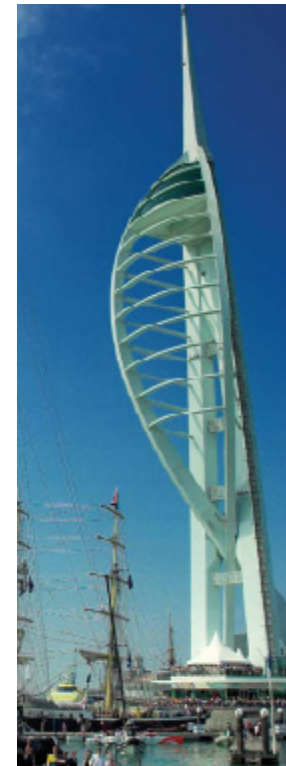
Industrial Rope Access Trade Association member companies **IRATA, employed by client to ensure the safe design of attachment points and methodology of access**, and their effect upon the structure during design stages. Long life lamps and paints used to minimise access.

## The Benefits

**The structure does not have to be modified** to accommodate traditional access techniques higher up the hierarchy of working at height regulations. Rope access is a proportionate method of access to achieve the design intent.

## Key Points

**Early recognition of safety issues and consultation with specialists** to assist sub-contractor design at a later stage. The **early client appointment of a specialist** to assist with the design of the unusual structure requires special coordination of architectural, structural and specialist design skills, and early client funding.



Gold metallic curved roof 120m X 30m

Roped access +sprinkler options analysis

Robotic system at top

Cherry picker option