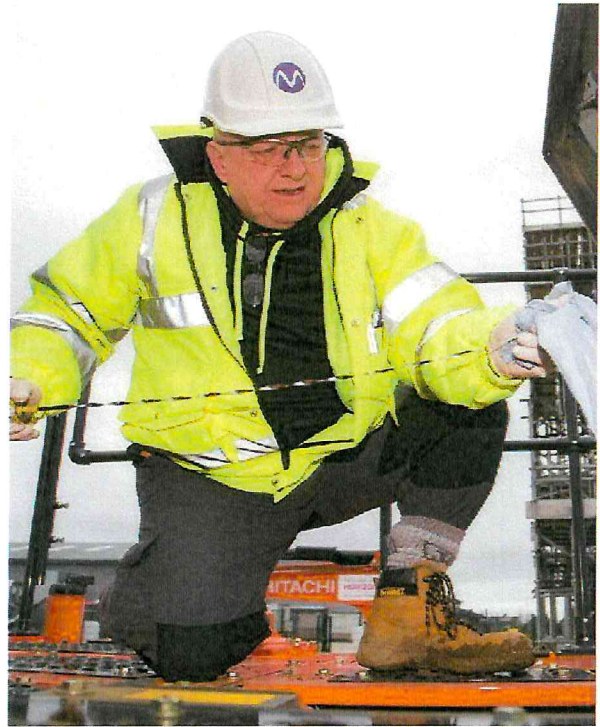


## Plant and equipment

<b>Reason</b>	The misuse of plant and work equipment or lack of maintenance can lead to injuries to the user and others. Operators of power-operated plant and equipment must be trained in its use and authorised.
<b>Outline</b>	This talk covers safe operating procedures for plant and equipment.



*Secure charging station*



*Pre-start checks being completed*



*Forward-tipping dumper*



*Typical rotating telehandler*

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### Definition

1. Plant and equipment can be mobile or static.
2. Examples include dumper trucks, mobile elevating work platforms (MEWPs), cement mixers, cut-off saws and welding sets.

### General precautions

1. Plant and equipment should only be used by people who have been trained and authorised to do so.
2. Consider the risks to other people who are nearby when operating plant and equipment.
3. Exclusion zones should be set up where required. These should be identified with safety signage.
4. Always carry out pre-start checks to ensure that plant and equipment have no obvious defects; bring any defects to your supervisor's attention.
5. Only use plant and equipment for its intended purpose.

### Mobile plant and equipment

1. Don't carry passengers unless the plant is designed to do so, and wear seat belts where fitted.
2. Observe site speed limits and one-way systems and, if necessary, obtain assistance when reversing.
3. Carry out daily checks (brakes, oil, lights and tyres).
4. Be aware of and avoid crush-zones on rear-wheel steer and centre-pivoting plant.
5. Get off the dumper during loading operations and stand in a safe place.

### Static plant and equipment

1. If fitted with wheels, ensure brakes are on or wheels are securely chocked.
2. If engine-driven, ensure exhaust gases cannot accumulate.
3. If electrically powered, ensure supply cables and plugs cannot be damaged or create trip hazards.
4. Ensure all guards are in position.
5. Consider the need for barriers around the equipment to protect others.



**What should happen before anyone is allowed to operate plant or equipment?**

**What are the usual pre-use checks?**

**What assistance might you need if you are reversing a vehicle?**

**Why do you need to be trained and authorised in order to use plant or equipment?**