

# **Safety by design – Striking the balance**

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[www.hse.gov.uk/waste](http://www.hse.gov.uk/waste)

# Waste Industry Accident Rate

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- 5 times national average
- 3 times national average (major injuries)
- 10 times national average (fatals)

## Target areas

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- Musculo-skeletal disorders (33%)
- Slips, trips and falls (30%)
- Workplace transport (4%)

# HSE's Waste & Recycling Programme aims: 2005/6 – 2007/8

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- Street collection
  - Musculo skeletal disorders
  - Slips and trips
  - Transport
  - Cuts

# Overall Aims of HSE

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- Revitalising Health and Safety
  - 2000 – 2010
  - 30% reduction in 10 years
  - Accidents, ill health, days lost and cost

# Waste Industry Performance

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- 25% recycling target (2005/6)
- 25% reduction in biodegradable waste to landfill
- 4kg/ person/ yr of WEEE

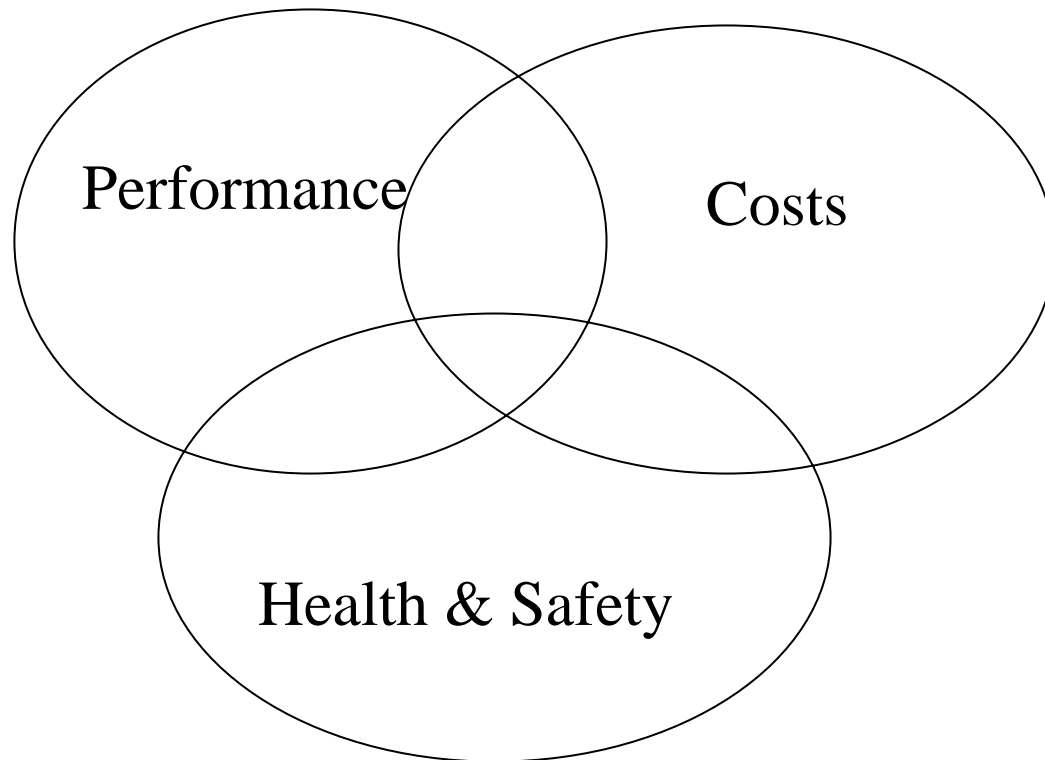
# Economics

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- Value for money
  - Economy
  - Efficiency
  - Effectiveness

# Mutually Inclusive

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# Challenge to the Strategist

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- Risk based decision making
- Balance all risks
- Transparent
  
- Developing technologies
- Funding
- Public attitude/ acceptance

# Health and Safety Challenges for the Strategist to Balance

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- +/- manual handling
- +/- time on street
- +/- time elsewhere
- +/- mechanisation
- +/- vehicle movements
- +/- hazardous waste

# The Balance

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- +/- Cost
- +/- Yield
- +/- Accidents/ ill health
- +/- others

# Informing the decision making process

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- Kerbside analysis tool
- Audit Commission
- Yield
- Etc
- [www.hse.gov.uk/waste](http://www.hse.gov.uk/waste)

## Future Help

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*“Assessment of occupational health and safety risks of systems of collection, transfer, treatment and processing of household waste and recyclables. Aim to provide local authorities with information to enable the selection of the most appropriate system(s) to meet environmental targets and H&S duties.”*

HSE/DEFRA/SE/WAG

# Safety by design at the operational level

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- Management of contracts
- Specification of vehicles
- Specification of handling equipment
- Management of collection
- Competence

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Health and Safety Executive

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