

Safe Maintenance: How to Manage Risk in Maintenance Activities

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Scope

- Maintenance related to machinery and related services
- General Issues
- Particular Machinery Issues

The Vision

- Right person
- Right place
- Right time and resources
 - To do the job
- [Preventing catastrophic events in construction-UK HSE report RR834]



General Issues

- Defining scope of work
- Role undertaken
- Communications
- Administrative Issues





General Issues cont.

- Competent persons
- Time constraints
- Cost constraints



Role

- Design/Specify
- Provide maintenance to third party
- Purchase maintenance from 3rd party
- Do your own maintenance

Role related issues

- Scope of responsibility
- Level of control
- Level of knowledge

- Handover/Handback
- Communication
- Documentation Control

Administration Issues

- Safety Statement
- Risk Assessment
- Method Statements
- Permits to Work
- Isolation/Lock out procedures
- Explosion Protection Documents
- Statutory Examination Reports
- Confined Space Entry



Sources of machinery/plant related risk

- Mechanical hazards
- Live equipment
- Stored energy
- Work at height
- Unexpected start-up
- Loss of containment
- Exposure to hazardous substances





Sources of machinery/plant related risk continued

- Noise/Vibration/Radiation
- Fire/Explosion
- Isolation of safety devices upon recommissioning
- Vehicle collision
- Failure of lifting equipment
- Missing/inadequate manuals





Law

- Safety, Health and Welfare at Work Act ;2005
- Safety, Health and Welfare at Work (General Application) Regulations;2007 +amendments –Use of work equipment/electricity/work at height/explosive atmospheres
- Safety, Health and Welfare At Work (Confined Spaces) Regulations, 2001





Law cont.

- Safety, Health and Welfare at Work(Construction) Regulations ,2006 +amendments

