ABS Consulting

AN ABS GROUP COMPANY

THESIS BowTie™

Solutions for the Management of Risk

THESIS is the market-leading software for undertaking simplified, yet integrated risk management for your whole business portfolio. The THESIS BowTie™ approach to risk management is highly visual, allowing the management process and interlinking of elements to be readily understood at all levels within the business.

Backed by ABS Consulting, a leading international independent provider of risk management services with over 50 offices, THESIS assists companies/operators in the analysis and management of the hazards and risks to which their business is exposed, graphically displaying the relationship of hazards, controls, risk reduction measures and business activities.

The underlying concept of THESIS is the bow-tie. This is a graphic display of the relationship of the various results of the Hazard and Effects Management Process (HEMP). HEMP is fundamental to the effective control of hazards and risks identified in Health, Safety and Environment (HSE) cases. The HEMP process also underpins the data and information input requirements for bow-ties and THESIS. The principles behind HEMP are:

- **Identify**
- **Assess**
- **Control**
- **Recover**

Bow-ties depict the interaction of the relationship of Hazards, Threats, Barriers, Escalation Factors, Escalation Factor Controls (EFCs), Consequences, Mitigation Measures and Critical Tasks.

The advantage of adopting the bow-tie approach is that it is an extremely powerful representation of a hazard analysis and HEMP process and is easily understood at all levels in an organization. Fault Trees and Event Trees are sometimes depicted as representing respectively the left and right sides of bow-ties. The difference is that bow-ties are qualitative while Fault Trees and Event Trees are quantitative.

THESIS assists companies/operators in the analysis and management of the hazards and risks to which their business is exposed, graphically displaying the relationship between hazards, controls, risk reduction measures and business activities.

THESIS' five default hazard categories include:

- **Safety**
- **Health**
- **Environment**
- **Business**
- **Security**

Threat and Consequence information is defined for each hazard and displayed through bow-ties.

Software Features

- Enterprise risk management tool
- Based on the highly visual bow-tie methodology
- Links hazard controls to critical activities and tasks, in turn linked to procedures, responsible people and documentation
- Numerous reporting facilities
- Powerful, yet easy to use
- Practical at various hierarchy levels throughout an organization
- Proven across various industries

For more information on THESIS BowTie and/or for a free THESIS trial or online demo, contact:

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