

# THESIS HAZIDS

Client – Leading Oil & Gas Operating Company

ABS Consulting was engaged by a leading Oil Refinery and Chemical Process facility to undertake a series of HAZID sessions using the THESIS tool. These sessions were in support of the COMAH Case review cycle.

THESIS is the market leading BowTie Analysis tool which is used by worldwide business for the identification and management of hazards. Its unique feature is the ability to clearly illustrate the linkage between Threats, Consequences, and Barriers with Critical Tasks. Critical Tasks are defined by responsible persons and the procedures and documents which they must follow.

The particular requirements for the project were to capture gaps in the existing management systems and provide response to previous incidents. The facility management system was

also being changed to reflect changes in the business.

The project tasks were spread over some 18 months and initially involved derivation of 'Generic Bow Ties' for the facilities various production units. The workshops were organised sequentially in order to optimise the use of Shell personnel and not cause extensive distraction from conventional duties.

ABS Consulting conducted the workshops in conjunction with a client facilitator. Bespoke reports were generated for the client in order that he could generate additional information for internal needs. Some 100+ Bow Ties were generated at a detail down to task derivation. The Bow Ties were subjected to a review by UK HSE.

