



Process Safety



Client Benefits

Experienced engineers with relevant expertise enable rapid conceptualisation of customer problems with immediate and effective results.

Application of the latest industry trends and know-how.

Practical advice and sound cost effective solutions.

One stop problem solving

Our Consultants can provide the full range of Process Safety reviews or studies as demanded by plants designed to today's exacting standards, either on an individual case by case basis or in support of a full detailed design of a new facility.

The following summarises:

- **HAZOP & HAZID Studies**
- **Emergency Venting Systems designed for two Phase flow to the DIERS methodology**
- **DSEAR, ATEX and Hazardous Area Classification to BS EN 60079-10 or IP Model Code Part 15**
- **Emergency Shut Down Systems to BS EN 61508/11 including SIL Assessments**
- **Safety Audits**
- **Risk Assessments**
- **Pressure Systems Safety Regulations 2000**

BPE's engineers have a wealth of practical experience supplemented by regular training in the latest developments maintaining expertise and leadership in the field.

Experience Base

BPE has a wealth of experience that it can call upon having undertaken many studies and reviews on behalf of its clients.

The company identifies individual employees who maintain expert status in a particular field through personal study of industry developments and participation in studies and workshops.

These individuals are the first port of call for clients with specific safety queries.

The expertise they have is cascaded through the organisation maintaining an up to date knowledge base within the workforce at large

Details

Hazop Studies.

Using industry standard techniques BPE's can provide the Chairman and Secretary as required to prepare the way, to execute and to close out a HAZOP study. All records and reports are delivered in an electronic format to suit customer needs. Studies can be undertaken on new plant, on developments, on modernisations or on existing facilities.

Overpressure Emergency Venting Systems.

Over pressurisation of processing vessels can be safeguarded by the provision of emergency venting systems. The risks of such vessels producing two phase flow is high and appropriate methods need to be used to assess the risks and to provide a safe design. BPE can offer the full design to the DIERS methodology.

DSEAR, ATEX and Hazardous Area Classification

The Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR) and ATEX 137 have come into force and place a legal responsibility for all employers to protect its workforce against explosive environments in the workplace. BPE can assist in this process through Risk Assessments, Risk Elimination or Mitigation and the Classification of Hazardous Areas.

Emergency Shutdown Systems.

'Trip' systems are used to provide automatic protection of processes when control systems fail. The requirements for these and the design standards to which they are to be built to are now covered by European Standards which require that Safety Integrity Levels be assessed for all such trips.

For further information contact
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