



## Alarm Management

**Alarm systems form an essential part of the operator interface to modern industrial facilities. They provide a vital support to the operator by warning them of situations that need their attention.**

**Alarm systems thus have an important role in preventing, controlling and mitigating the effects of abnormal situations. If these alarm systems do not work well, the effects can be serious. (EEMUA 191)**

Alarm systems have developed over the last decade from hard wired indicators which were costly to configure compared to the cheap and highly configurable SCADA interfaces commonly implemented today. This transition has largely gone unregulated by company standards leading to the blanket implementation of alarms for everything and anything available without fully considering the impact on the operator. The result of this will impact the safety of a process plant..

It's an important aspect of process safety to have an alarm management site standard, to be able to assess the performance of the current alarm system and to review existing alarms for their relevance. SSL can provide support at any stage through the alarm management process, from producing reports benchmarking the extent of alarm management issues through to helping to develop a site philosophy and facilitation of alarm reviews. We are an authorised re seller of PAS alarm management software, enabling us to implement and support the PlantState Suite software solutions for monitoring a reporting on alarm system health. Areas covered by SSL include:

- Alarm System benchmarking audit
- Alarm Philosophies
- Alarm Design
- Prioritisation techniques
- Rationalisation
- Suppression/Shelving/Inhibiting
- Maintenance and Testing
- Greenfield/Brownfield Implementation
- Alarm Monitoring (With PAS software or clients own)



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**Safety Solutions Ltd are New Zealand's leading Process Safety consultants and trainers.**

**We work with many companies and industries to develop their process safety systems and help close their gaps. Our process safety specialists are considered experts in their respective fields and can provide operating companies with a realistic health status of their process safety systems.**

### Other services by Safety Solutions:



- Process safety training courses (face to face and e-learning)



- Engineering services to support your process safety activities



- Hazard ID and risk assessment facilitation
- Hazardous area classification
- Functional safety
- Safety cases
- Management system development
- Process safety standards
- Process safety engineering

**For more information about our services please contact Safety Solutions:**

**E: [info@safetysolutions.co.nz](mailto:info@safetysolutions.co.nz)**

**W: [www.safetysolutions.co.nz](http://www.safetysolutions.co.nz)**