

Safety Studies

EPC Power Management is a unique company that combines high level knowledge with stable manpower.

We have been providing structured and stable results in technical complex environments. We do not just provide people: we provide solutions

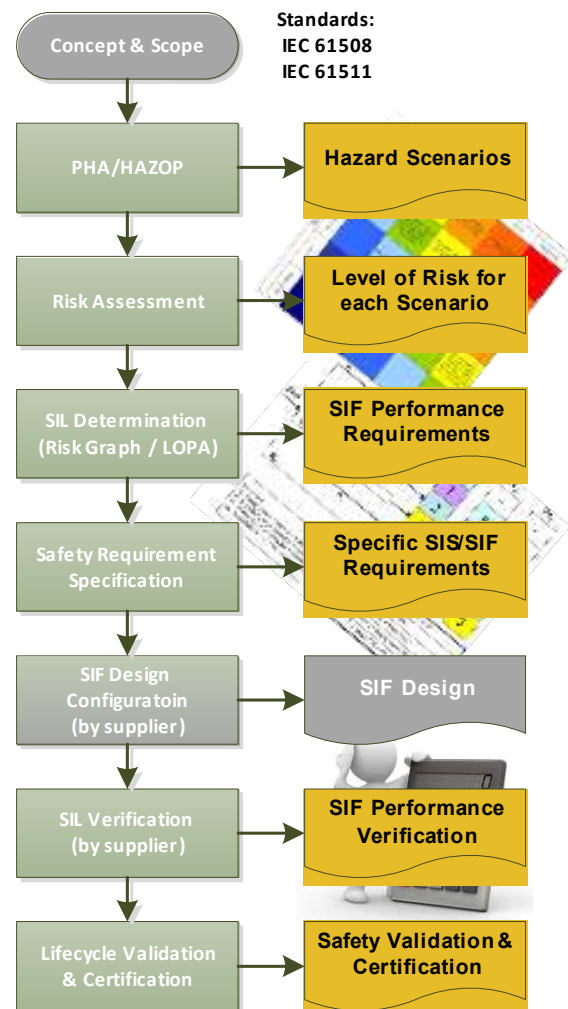
Design Reviews

During the lifetime of a facility, safety studies (design reviews) enable the operator to show that the facility is safe to use, to maintain and complies with local legislation. This starts already before the facility is put into service, by reviewing the design. Examples of safety studies include:

- Hazard Identification (HAZID),
- Hazard & Operability (HAZOP),
- SIL and LOPA analysis,
- Fire & Explosion Protection,
- Ergonomic Review
- Constructability Review

EPC Power Management's managers and engineers have managed and contributed to such reviews in many (petro)-chemical and power industry projects. We can manage this process of design reviews for owners and suppliers in projects.

HAZOP, SIL and LOPA analysis by EPC Power Management



Above illustration gives an overview of possible and most of the time necessary steps in a risk analysis process.

Hazard Identification (HAZID)

HAZID reviews identify hazards that could be initiated from the project's facilities onto the surroundings or from the surroundings on the facilities. These hazards could have:

1. Impact on personnel: injuries and fatalities,
2. Impact on environment: spills and pollution,
3. Impact on assets: financial loss, loss/delay of production; and,
4. Impact on reputation: media and society (panic).

EPC Power Management has experience in managing and moderating such reviews for small and large projects.

Hazard & Operability Study (HAZOP), SIL and LOPA Analysis

EPC Power Management has managed, performed and contributed to HAZOP reviews during small and large projects in the (petro)-chemical and power industry. EPC Power Management can also support the owner or supplier with the moderation of HAZOP, SIL classification and Constructability reviews. EPC Power Management is using IHS Dyadem PHA Pro to capture the outcome.

EPC Power Management has moderated and contributed to HAZOP and SIL reviews in the (petro)-chemical and power industry.

Fire and Explosion Protection

Requirements for fire and explosion protection in the design of a facility can have a tremendous impact in a project. Implementation of the risk assessments results in the design in an early stage of the project can reduce the impact. EPC Power Management has managed and coordinated implementation of fire and explosion protection in many projects.



Constructability Review

The objective of performing a constructability review is to verify that the project can be constructed according to the design assumptions, the intent of the contract documents and within the cost and schedule guidelines. EPC Power Management has experience in managing and moderating such reviews for small and large projects.

Ergonomic Review

Ergonomic reviews can help cities identify workplace issues that may create employee health issues such as wrist aches, tired eyes, lower back aches and hearing difficulties. EPC Power Management has experience in the implementation of ergonomic reviews for control rooms and field workplaces in projects. Incorporating proper ergonomic principles in the design of the facility during the realisation improves the health of the operations team and safeguards the company against legal actions.



When you would like to discuss your needs, please contact one of our colleagues.



Rob Droste
M: +31 6 1207 3434
@: rob.droste@epcpower.nl



EPC Power Management
Laan van Haamstede 45
2497 GE The Hague
E info@epcpower.nl
I www.epcpower.nl