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Process & Plant Safety 2020



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Best Practice 2010 is Standard in 2020



Broad Positive Recognition



Risk

Acceptance



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Higher level regarding Process & Plant Safety

- Advanced level of Process & Plant Safety in countries which perform well in 2010
- Regions performing below average regarding PPS performance in 2010 are brought up to the higher standard level 2020

Further developed PPS culture

- All employees contribute actively to PPS (PREVENTION)
- PPS is integral to the every day business
- Lessons learned are known and implemented consequently
- The principle of Inherently Safer Technology is applied consistently
- Top Management defines PPS as high priority, recognizes its value and leads the continuous PPS improvement effort
- Public and reliable criteria for risk acceptance and non-acceptance
- Public understanding for excursions if they happen despite state of the art safety solutions



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Qualification / Professionalism

Set and comply with high requirements / standards regarding

- qualification / training of PPS relevant personnel (HAZID, HAZOP, MoC, Process- / Plant Engineering, Maintenance etc.)
- Inspections / audits
- knowledge / experience exchange

Education resources (schools, universities, etc.) available to teach safety and environmental protection.

Put it also into context of society and standard of living



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PPS Performance Monitoring

- PPS Metrics are standard practice in all companies handling hazardous substances (Global common indicator(s) established)
- Company internal recording/reporting of state of the art performance indicators
 - Lagging, Near Miss, **Leading**
- Demonstrate to the public that recognizable improvements are achieved continuously

Learning from incidents

- more open than today,
- better structured for retrieval/research)
- Cross sector - Process safety incident learning is routinely shared between major hazard industry sectors