

3rd Chemical Process Safety Sharing (CPSS)



**What's the right thing to do?
An Introduction to Safety Philosophy**



**Thodsapol Chadchavalpanichaya
Principal Consultant
PTTES**





Contents



Introduction to Philosophy

Example of Questions

Safety Philosophy



Principal Consultant



THODSAPOL CHADCHAVALPANICHAYA

Education:

1990

B.Eng. Chemical Engineering, Khon Kaen University

1994

M.Eng. Chemical Engineering, Chulalongkorn University

Experience yr:

28



Area Expertise

- SHE Management
- Process Safety Management
- Process Safety Design
- Blast Pressure, Flammable Material Dispersion Model, Toxic Material Dispersion Model
- HAZOP leader
- Supply & Planning Model
- Quality Estimator
- Tank and Dispatching Design
- Process Control

Experiences Summary

1990	Process Engineer, Thai Petrochemical Industrial Company Limited
1990 - 1991	Site Engineer in Worrachak International Company Limited
1994 - 2003	Process Control Engineer, The Aromatics Thailand Company Limited, Alliance Refining Company
2003 - 2007	Supply & Planning, Alliance Refining Company Limited
2007 - 2011	Process Engineer, PTT Aromatics and Refining Public Company Limited
2011 - 2013	Division Manager - Technical SHE, PTT Global Chemical Public Company Limited
2014 – current	Principal Consultant – Process Safety, PTT Energy Solutions Company Limited

Questions



- What is the good way in safety?
- What is right policy?
- What is right management?
- What is right strategy?
- What is right action?

We often attempt to find answers for such questions.

Philosophy



“Philo” = “Love”
“Sophia” = “Wisdom”

Philosophy (from Greek φιλοσοφία, philosophia, literally "love of wisdom") is the study of general and fundamental problems concerning matters such as existence, knowledge, values, reason, mind, and language

Reference: Wikipedia

Safety Philosophy

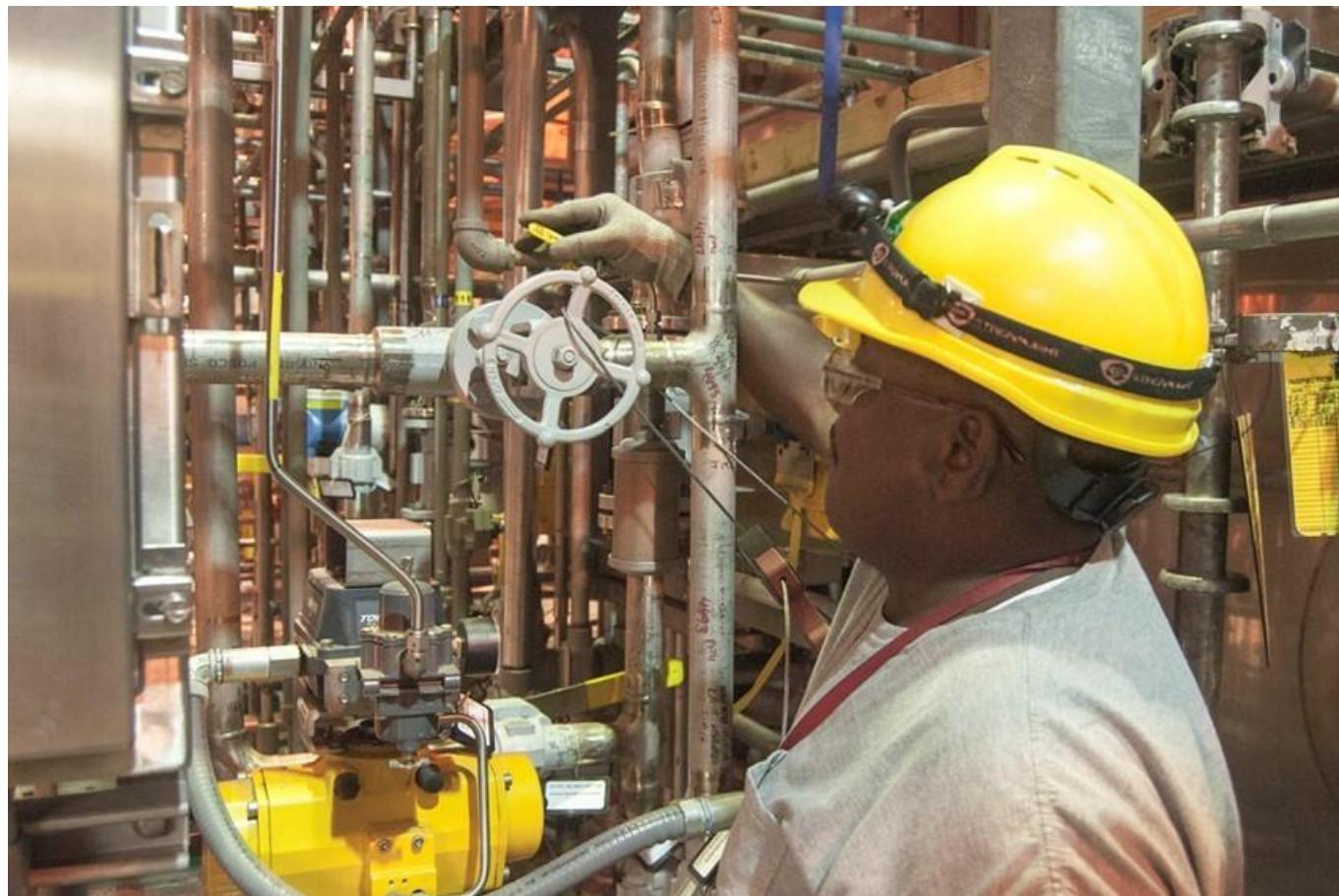


...understand that the paradox of safety is the beginning of wisdom.

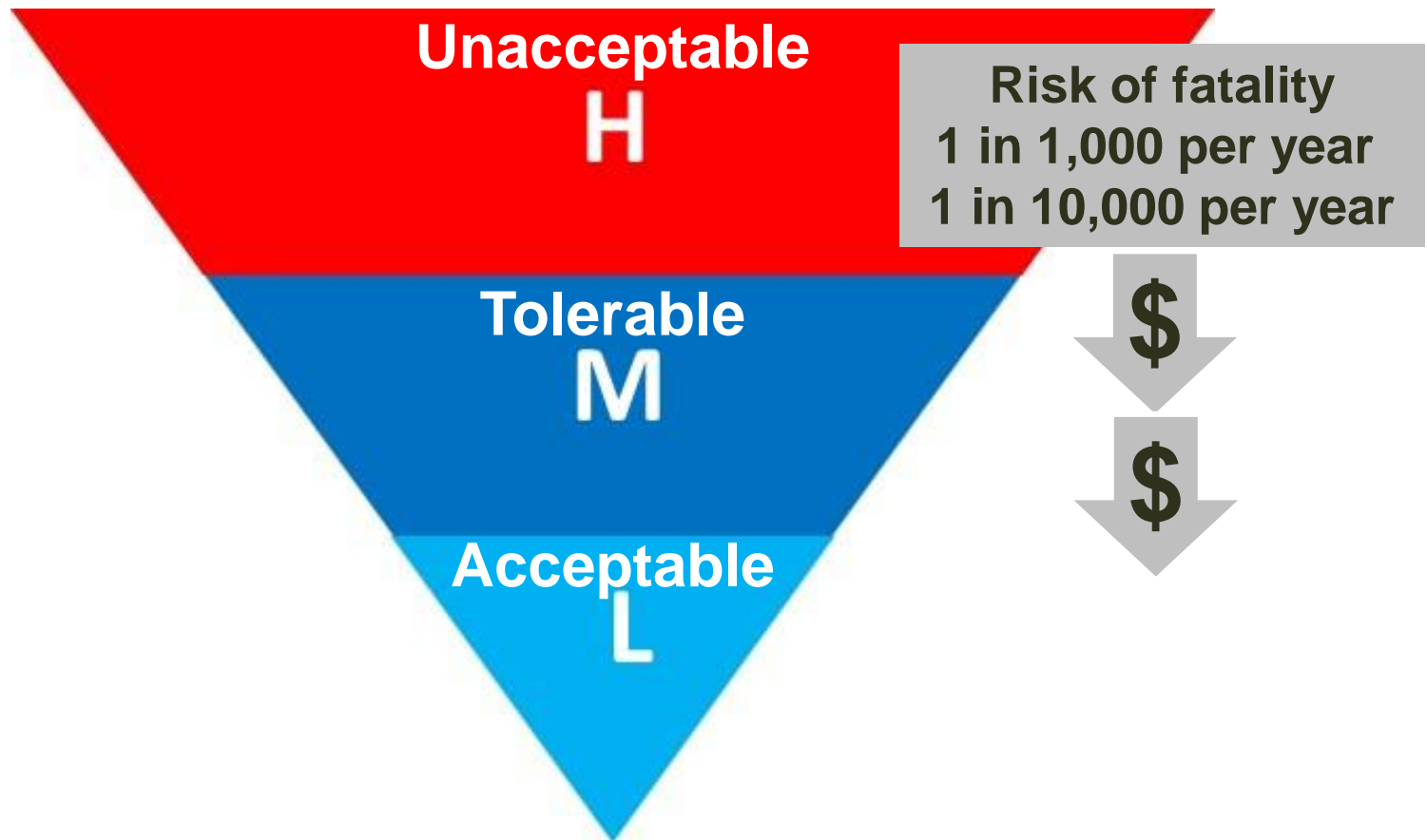
Regulation



Standard



Cost vs. Risk Reduction



Bomb Clearing



Medical Services



Helmet



PPE



Fire Retardant Coat



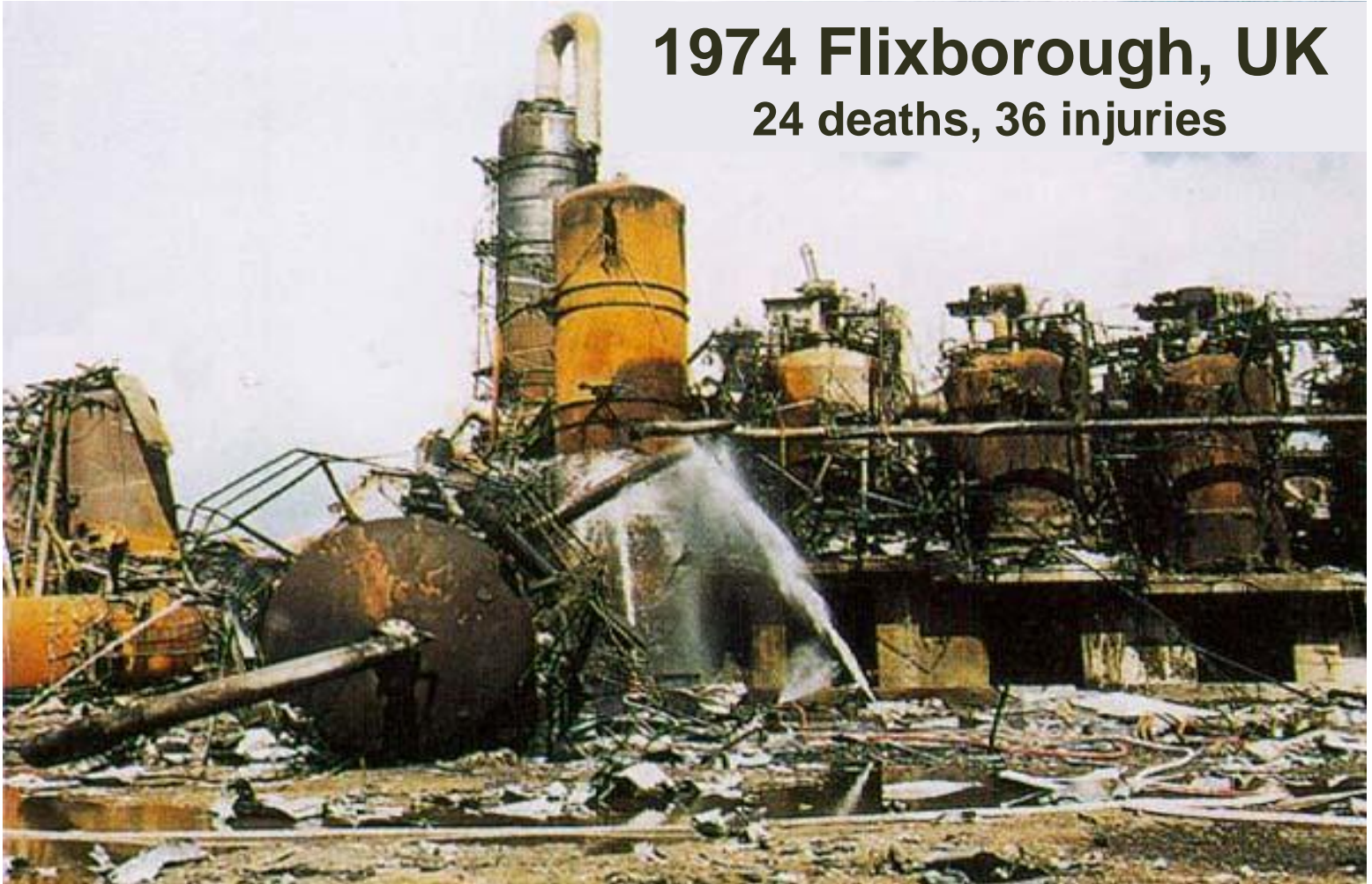
Buildings



History



1974 Flixborough, UK
24 deaths, 36 injuries



Safety Philosophy

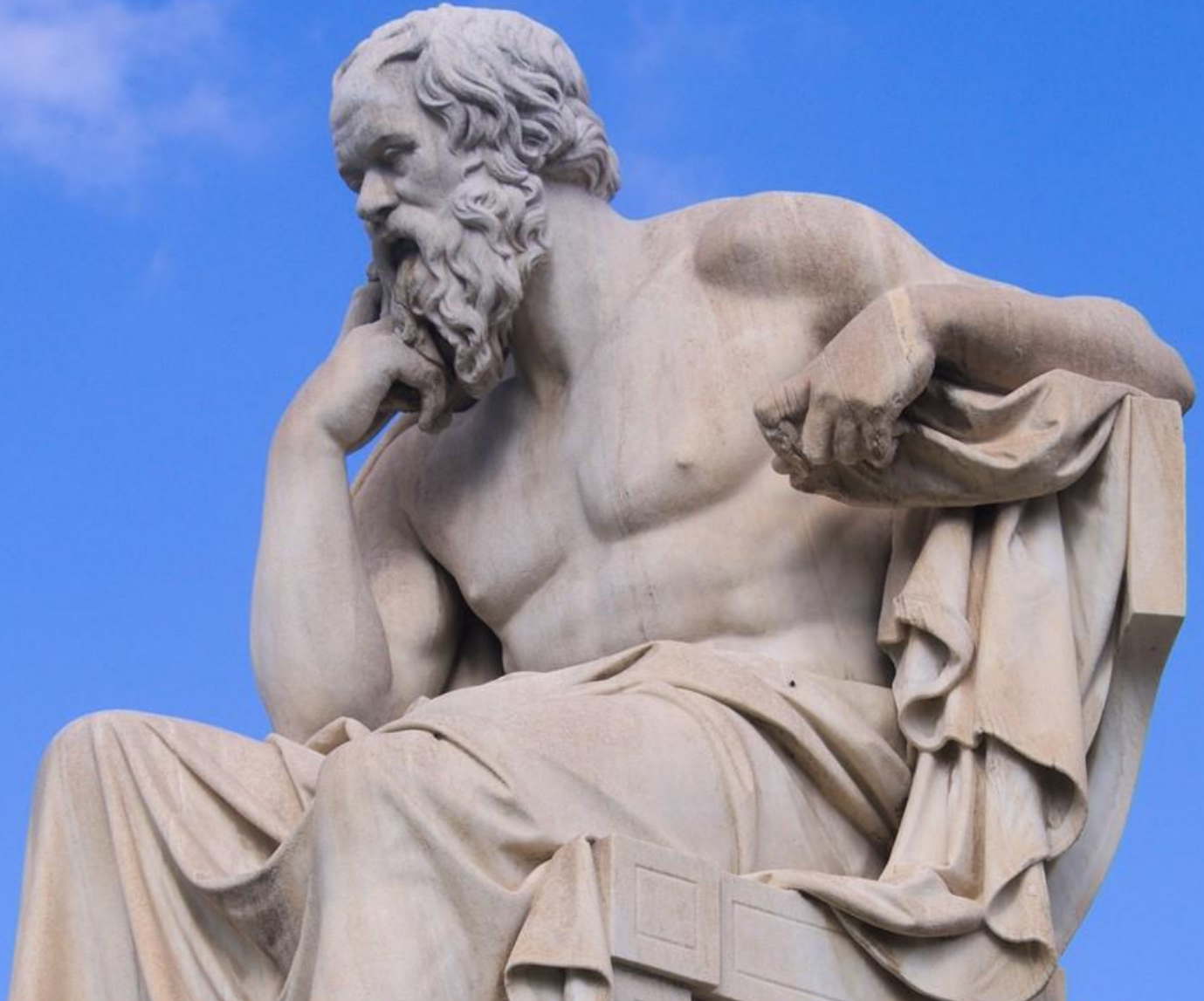


- Compliance
- Regulation
- Code of practice
- Standard
- Risk analysis
- Cost effective
- Fit for purpose
- Best practice
- Excellence
- World class
- etc.



“Wonder is the beginning of wisdom.”

Socrates



Q&A



Thodsapol Chadchavalpanichaya

email: thodsapol.c@pttes.com





Thank you for your attention



3rd Chemical Process Safety Sharing (CPSS)
30th January 2019, Thailand



GC



**ptt
ES**



SCG
CHEMICALS

IRPC