

Case History presentations (15.9.25)

Max 7 minutes per group

Questions:

What is the chain of event and what are the causes for the incident?

Which barriers failed (technical, organizational?) Why did the accident not happen before?

What is the origin for the released energy (the consequences)?

What appropriate risk reducing measures (barriers) would be required to restart the production? How would they hinder the chain of event of the incident? What type (technical, organizational) of barriers are those?

What are the potential problems linked with these measures?

Date	Case Study	Student	Student	Student
08.10.2025	13: BP America	Aktas Feriha Mesra	Enzinger Méloé	Maiga Ismael Amadou
08.10.2025	02: Distillation	Azalbert Oriane Leslie Marie	Fracassi Ludovica	Martinelli Alyssa
08.10.2025	24: Hazards of Benzoyl peroxide	Bedouelle Guillaume François Nicolas	Georges Téó Alec	Masson Aurélie Valentine
29.10.2025	18: Texas Tech	Belgharbia Emna	Hajj Hannah	Meireles Rainho Ricardo
29.10.2025	03: DMSO	Bénier Lucie Andrée Anastasie	Hamouni Inès Santina Agnès	Mourot Léa Claire Pascale
29.10.2025	23: Shell Moerdijk explosion	Bonaldi Pietro	Hendrata Jessica Annabelle	Nuñez Gonzalez Jorge Mario
12.11.2025	16: Heat exchanger	Boos Angie Alice	Hosko Adam	Pang Jia En
12.11.2025	19: Toxic release	Brand Emma Charlotte Marie	Jorovic Visnja	Perrot Clotilde Marie Virginie
12.11.2025	25: Kuraray America	Buffet Lilou Elisa	Kappeler Emma Margareta	Rodrigues Dos Santos Correia Miguel Ângelo
19.11.2025	08: Amination	Canda Alina Elizabeth	Khalife Nadim	Rosseneu Oscar Louis
19.11.2025	22. KMCO fatal equipment rupture	Casalprim Perez Arnau	Khoury Hanna Elie	Salafranca Martinez Juan
26.11.2025	14: Buncefield	Christiansson Thomas Viking	Kiliçer Yusuf Nazim	Santos Martins Diogo
26.11.2025	09: Ink dust explosion	Contreras Fernandez Alba	Kohany Alanna Fion	Sequeira Nichelle Christine
26.11.2025	21: Fatal accident reactor	Dengler Ella Elise	Laplanche Ysée Kris	Sermet-Magdelain Simon
10.12.2025	17: Metal dust Flash Fires	Díaz Hernández Karina Desireé	Lin Yuqin-Ada	Suharlim Wilson Noel Prajna
10.12.2025	26: Wacker HCl release	Droux Léa	Lippsmeier Julien Bernhard	Tee Jie Xi
10.12.2025	10: Static spark	Eggli Chloé	Loewen Philippe	Véron Clara Galadrielle