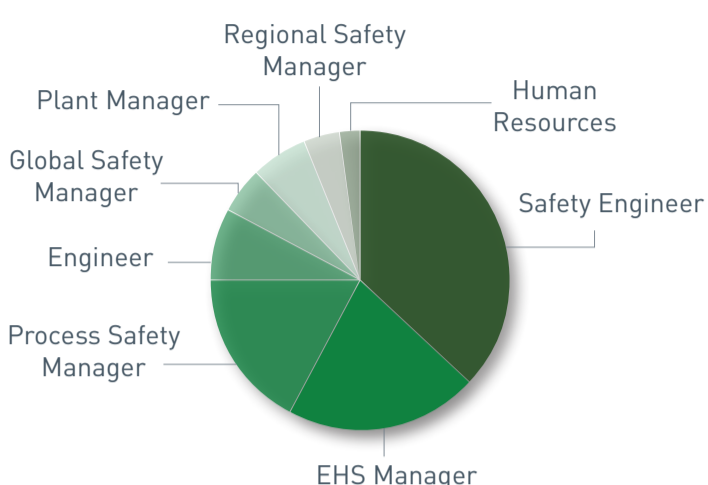


# PROCESS SAFETY TRAINING AND COMPETENCY 2017 SURVEY

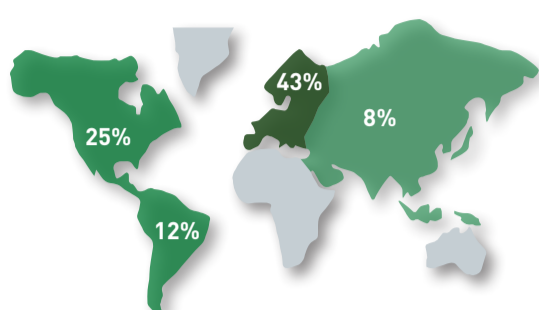
## COMMON CHALLENGES ACROSS THE INDUSTRY

- #1 Time constraints
- #2 Finding the right content
- #3 Engaging workers
- #4 Budget
- #5 Leadership support
- #6 Getting global consistency

## WHO RESPONDED



Over 700 participants from Europe, America and Asia



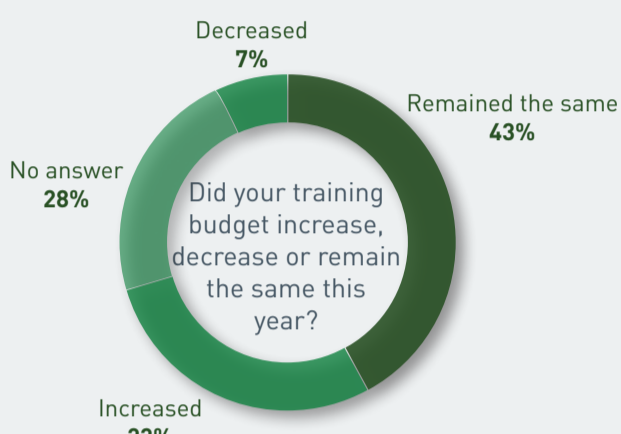
- Safety engineers and managers with more than 10 years experience in safety
- From some of the largest industrial companies in the world (40% >5,000 employees)

## LEADING INDICATORS

Completed PS training at the bottom of process safety performance leading indicators

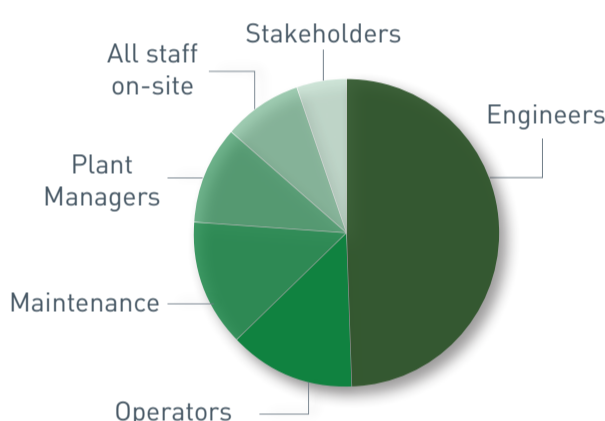


## TRAINING BUDGET

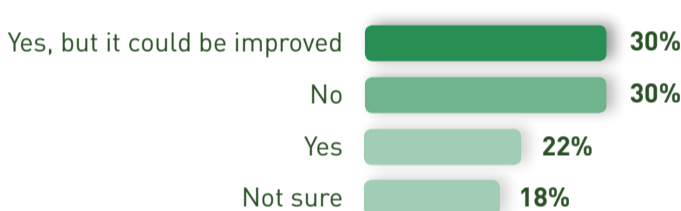


## TRAINING AND COMPETENCY AT ORGANISATIONS

Who gets trained in process safety?



Do you have a competence matrix in process safety at your organisation?

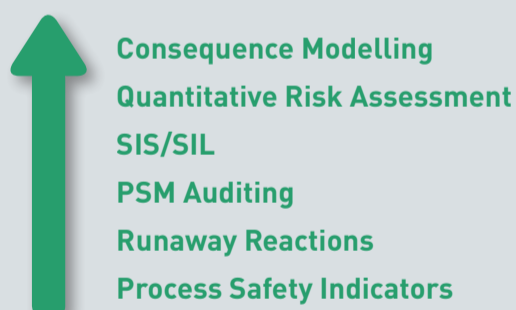


68% of the participating companies use a mix of internal and external trainers to deliver process safety training to their employees

Areas where organizations provide training to the employees



Large competency gap at organisations



How do you ensure the process safety competency of your contractors?



Most organisations are perceiving a big or large process safety competency gap at different departments



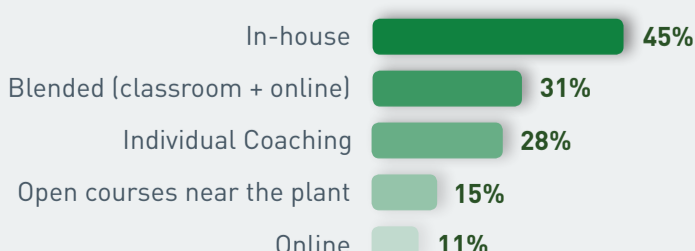
**LARGE PROCESS SAFETY COMPETENCY GAP PERCEIVED WITH CONTRACTORS**

Top areas where respondents would consider to update their process safety competencies

- #1 HAZOP
- #2 SIS/SIL
- #3 PSM
- #4 QRA
- #5 Process Safety Indicators

## LEARNING METHODOLOGIES

Favorite learning methodologies



**OVER 90% AGREE**

that utilising a combination of live training sessions, online learning, videos and tutoring versus 'one shot' classroom training, significantly increases comprehension and knowledge retention