

#### **CPI Biennial Health and Safety Conference**

'Health, Safety and Wellbeing - Hearts, Minds and People'



Safety Management of Change

28th June 2022

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## Agenda

- What is sMOC?
- Why sMOC?
- The Purpose of sMOC
- Other benefits:
- Misperceptions of sMOC
- Expectations from the management and leadership within the facility
- Leadership Responsibilities
- sMOC Process Quick overview.





#### What is sMOC?

# Kimberly-Clark Safety Management of Change (sMOC)

- Introduced in the late 90's internally developed in North America Family Care Sector
- Rolled out across EMEA 2009
- Global Committee set up to manage the ongoing maintenance and development of the process and tool
- Environmental and Health impacts added in early 2010









#### What is sMOC?

- A collection of processes used to give guidance in the consideration of the possible <u>EHS impacts of a change</u>.
- It is a steps and gates style of process requiring check and adjust at key stages in the life of the change.
- Its power is in the requirement for discussion, collaboration and communication.





## Why sMOC?



- Evidence from our past history shows that we have unintentionally injured our people (in some cases severely) from the effects of making a change.
- Is a key requirement of our EHS management system.
- Change is happening without leadership knowledge or consent.
- Otherwise, we rely on people for the success of a change – we don't have a systematic approach.



## The Purpose of sMOC

- Reduce the risk of injury/ill health to our people or impact to our environment from the effects of changes we make.
- To anticipate or foresee the impacts of changes
- Make changes visible.
- Gives a systematic approach less reliance on people.





#### Other Benefits – Lean Culture



- Drives discipline and focus to the management of changes:
  - Provides structure to work that should already be being done
  - Provides a standard work approach to change preparation activity
- Provides visibility of changes to the leadership.



#### **Other Benefits**

- Feedback from facilities using sMOC for all changes and who have embraced it into their culture tells us:
  - Removes unnecessary change
  - Prevents time being wasted on changes not required (less tinkering)
  - Focuses resource on key changes aligned with facilities strategies
  - Highlight's problems and triggers root cause problem solving.
  - Speeds up change when measured from idea to completion
  - No one person shoulders the responsibility for the change
  - Leadership visibility /consent of change
  - Leaders know the preparation activities required
  - Control and reduction of cost
  - Increased productivity from less tinkering)



#### **Other Benefits**

- Enables cross functional input
- Gives legal defensibility process has been followed
- Forces thinking about application of required Standards
- Communications to those affected by the change:

Process includes notifying those affected prior to the change taking place.

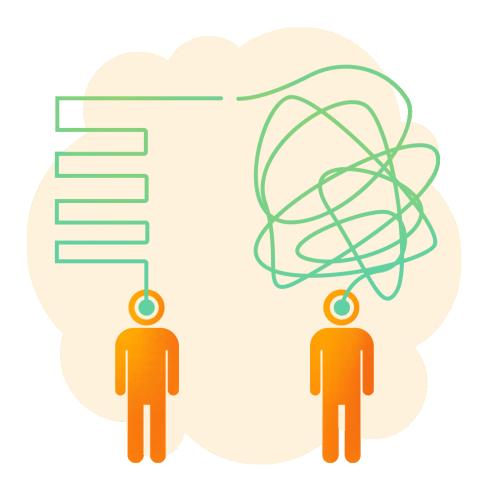
#### **NOTICE OF CHANGE**

xpected Date of Change:	
	Order #:
hange Coordinator:	
Phone:	Pager:
quipment Affected:	
Asset:	
SR/MSR/PSR Number:	
escription of Change:	
OTENTIAL IMPACT AND/OR HAZARD TO	:
perations/Operators:	
sset Leader:	
eam Leader:	
ther:	
his Notice of Change is for a change wi	thRisk sMOC
rocess.	
was authorized by:	(Asset leader or designee)
n (date).	
his posting can be removed on	(date) and given to the Asset
afety Facilitator.	



## Misperceptions of sMOC

- Extra work
  - sMOC really only gives structure and discipline to work that we should already be doing.
- Slows down change
  - Evidence has shown that changes are quicker, through less rework activities.
- Lots of paperwork have to be generated:
  - The outputs from sMOC are documents to assist in communicating and documenting the change.
     Administration has been minimised.
- It's just for engineers
  - For anyone making changes





## **Expectations from Management**

- Clearly sMOC is a culture change within the organisation:
  - Requires strong committed management support to overcome resistance
  - Requires ongoing leadership involvement

"If leaders do not show discipline and focus to follow key processes then how can we expect our workforce to do the same?"

Support your sMOC coordinator



## Leadership Responsibilities

- Ensure the system is followed (no sMOC no Change takes place).
- Attend the required gate meetings
- Become the decision makers
- Ask questions and challenge
- Determine if the proposed change should move forward and check that the activities chosen by the change coordinator in the activities list are appropriate to manage the change.
- Sign the Authorization form and the "sMOC activities" list.
- Review the work, agree that all expectations were met, the change was implemented safely, and the required sMOC process activities were completed.



"Leadership: Whatever happens, you are responsible. If it doesn't happen, you are responsible."



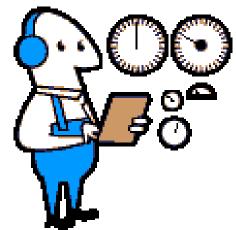






- Q: What do we mean by "Change"?
- A: "Change" means installation of, alteration to, or modification of
  - > Equipment
  - Operational Controls
  - > Processes
  - > Facilities
  - Buildings

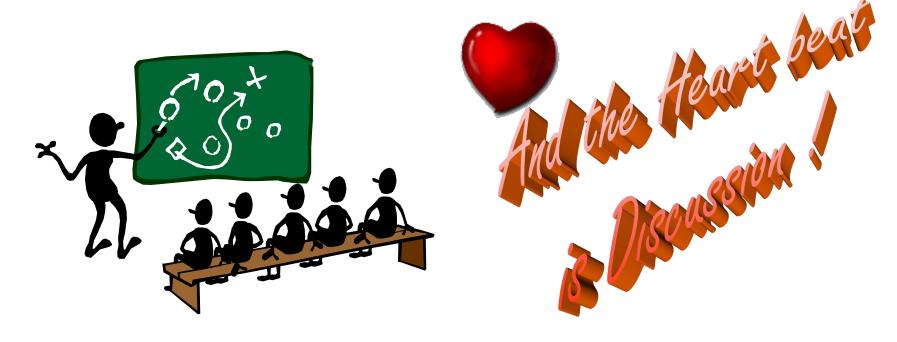
- Work procedures
- Established training instruction
- Raw materials
- Operating guidelines
- Any part of the industrial environment in which we work.



More simply, a change is when we make something different than it was before



## What is the real power behind the sMOC?

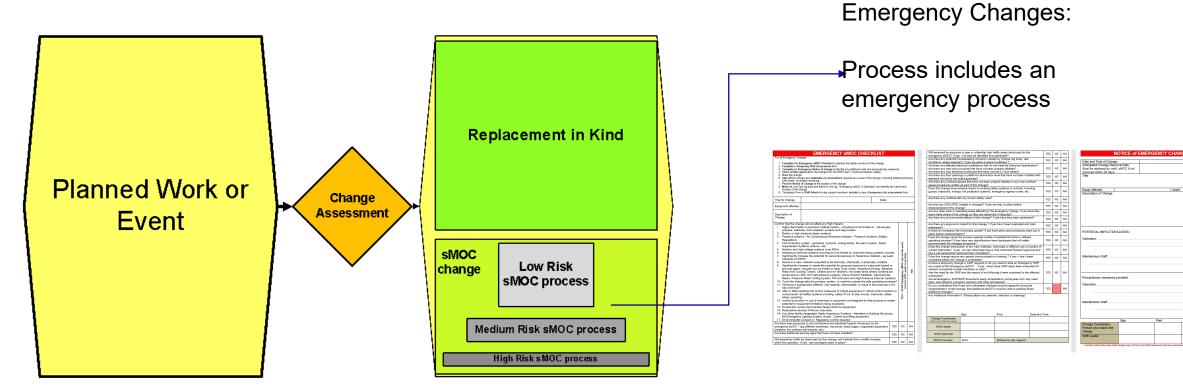


OUR TEAM WORK – It takes us working as a TEAM to manage CHANGE SAFELY!!



## **Overview of Changes**

sMOC "Planned Work or Event"
Transformation



 "sMOC Change" means installation of, alteration to, or modification of



## **Change Assessment**

#### sMOC | Safety Management of Change - Global

Reports Trainin	ion Reports	System Administration	<u>Modify</u>	<u>View</u>	<u>New</u>	at <u>Home</u>	(2) Internal
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#### Is the work requested defined as a 'Change' to be managed?

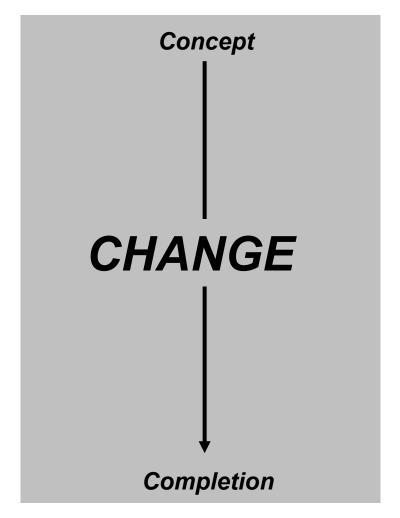
Yes	No				
0	0	Does the work requested require an update of any process safety information?			
0	0	Is the request for a new product, product trial, or raw material change?			
0	0	Is the work requested within <u>equipment limits</u> and is <u>appropriate documentation available?</u>			
0	0	Is the work requested within <u>process limits</u> and is <u>appropriate documentation available?</u>			
0	0	Does the work requested require updating any safe work practices or any operating, maintenance, or emergency response procedures?			
0	0	Does the work requested fit the definition of Replacement in Kind? Examples			

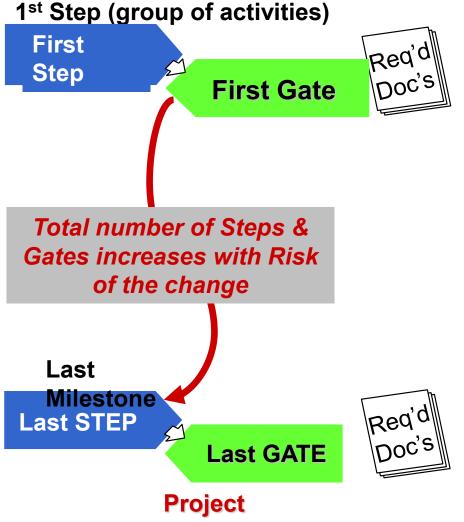


#### **Process Level Determnation**

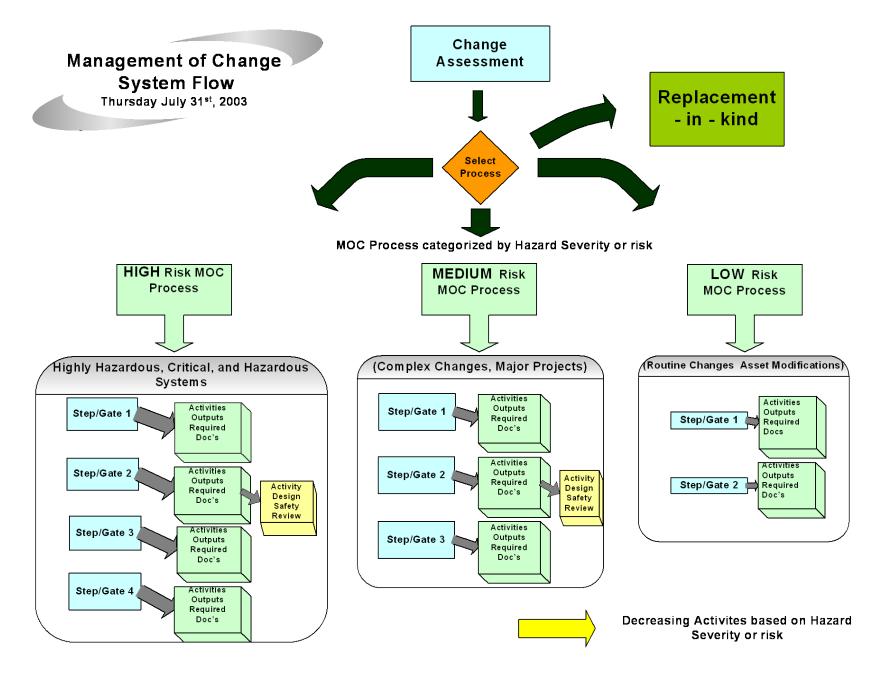
#### sMOC Process Selection Test for High Risk Answer questions in sequential order 1) Does the change affect an identified Highly Hazardous system? (Link at top center of screen will show you list of systems.) 2) Would the change affect highly flammable or explosive materials systems (natural gas, propane, gasoline, cellulose or polymer dust, etc.)? 3) Will the change affect boilers or high pressure steam systems (above 15 psig (1 bar)))? 4) Does the change affect Pressure Vessels? 5) Would the change affect Fire Protection Systems? 6) Will the change affect Medium and High voltage systems exceeding 600 volts? 7) Does the change affect hazardous chemical systems containing materials with a NFPA or HMIS flammability, reactivity or health rating 3 or 4 or a GHS hazard classification of 1 or 2? 8) Does the change significantly increase or create the potential for exposure to a hazardous material (asbestos, lead paint, etc.)? 9) Will the change result in a new material known or suspected to be thermally, chemically, or physically unstable? (Refer to MSDS, if necessary) 10) Does the change significantly increase or create the potential for personal exposure to a physical hazard or physical agent? 0 0 11) Could the change take the process, system, or machine outside the safe operating envelope? 00 12) Does the change introduce a substantially different raw material, intermediate, or result in the production of a new chemical? 13) Could the change alter or affect existing risk control measures of critical equipment or critical control systems/components? Examples 14) Does the change involve production or use of chemicals in equipment not designed for that purpose or create a potential for equipment limitations being exceeded? 15) Does the change exceed current documented design limits? If all No sMOC Process Selection Test for Medium Risk If any yes Follow a High Risk Process Answer questions in sequential order 0 0 1) Does the change result in an increase in the inventory of toxic, flammable, or reactive materials by more than 25%? (raw materials, intermediates, additives 2) Does the change affect compliance with any regulatory or consensus safety standards? 0 0 3) Does the change reorder, expand, or contract the process sequence? 4) Does the change significantly impact the energy balance or material balance? 0 0 5) Does the change necessitate significant or unique training for operators or technical personnel? 6) Does the change necessitate substantial operator interaction needed for normal and/or emergency operations of the existing system? 7) Could the change result in chemical, material, equipment compatibility issues? 8) Does the change increase the physical capacity requirements of operators (strength, repetition, height)? 9) Is the change being made to an electrical system in the 240 to 600 volt range? $\circ$ 10) Is the change affecting multiple machines or processes? 11) Would the change result in an occupational exposure to a chemical, physical or biological risk? 12) Does the change exceed current documented operating limits? Follow a Medium Risk Process If any yes **Wimberly-Clark** If all No Low Risk

## The "Steps & Gates" Concept:

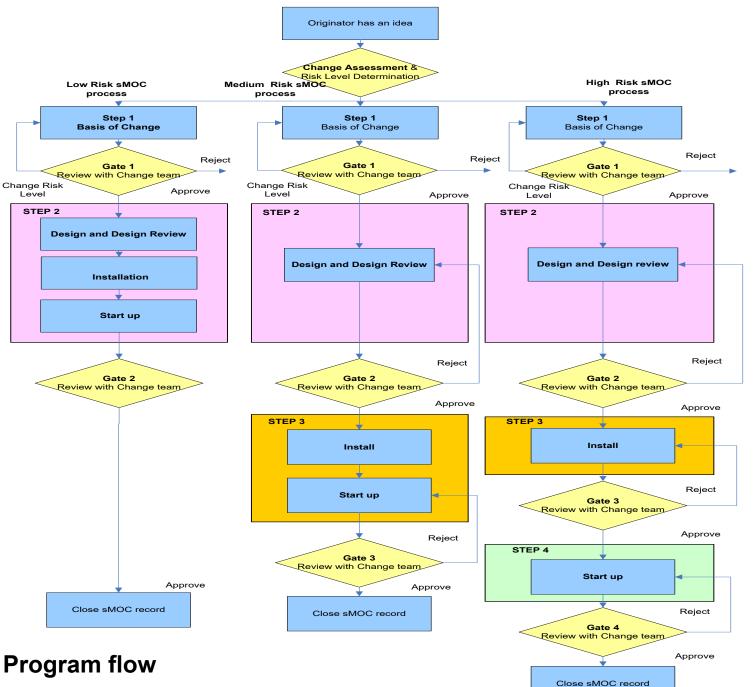


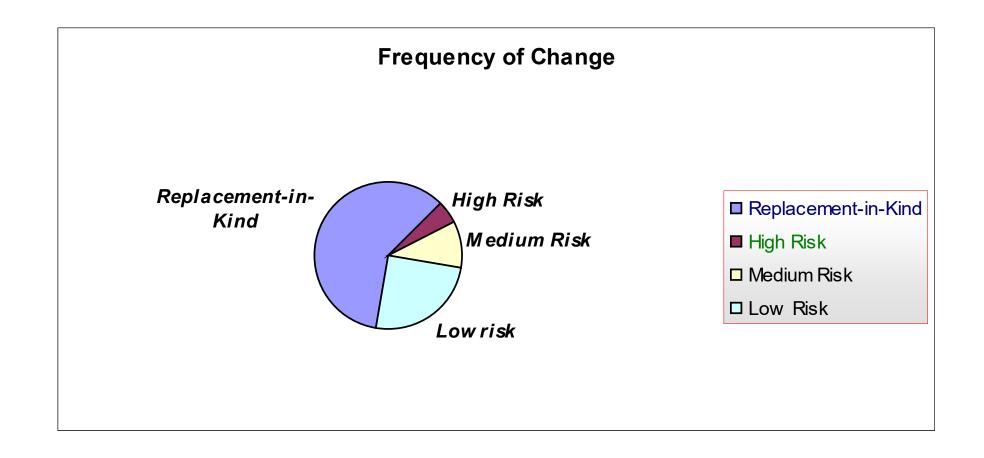














# **Application to Projects**





