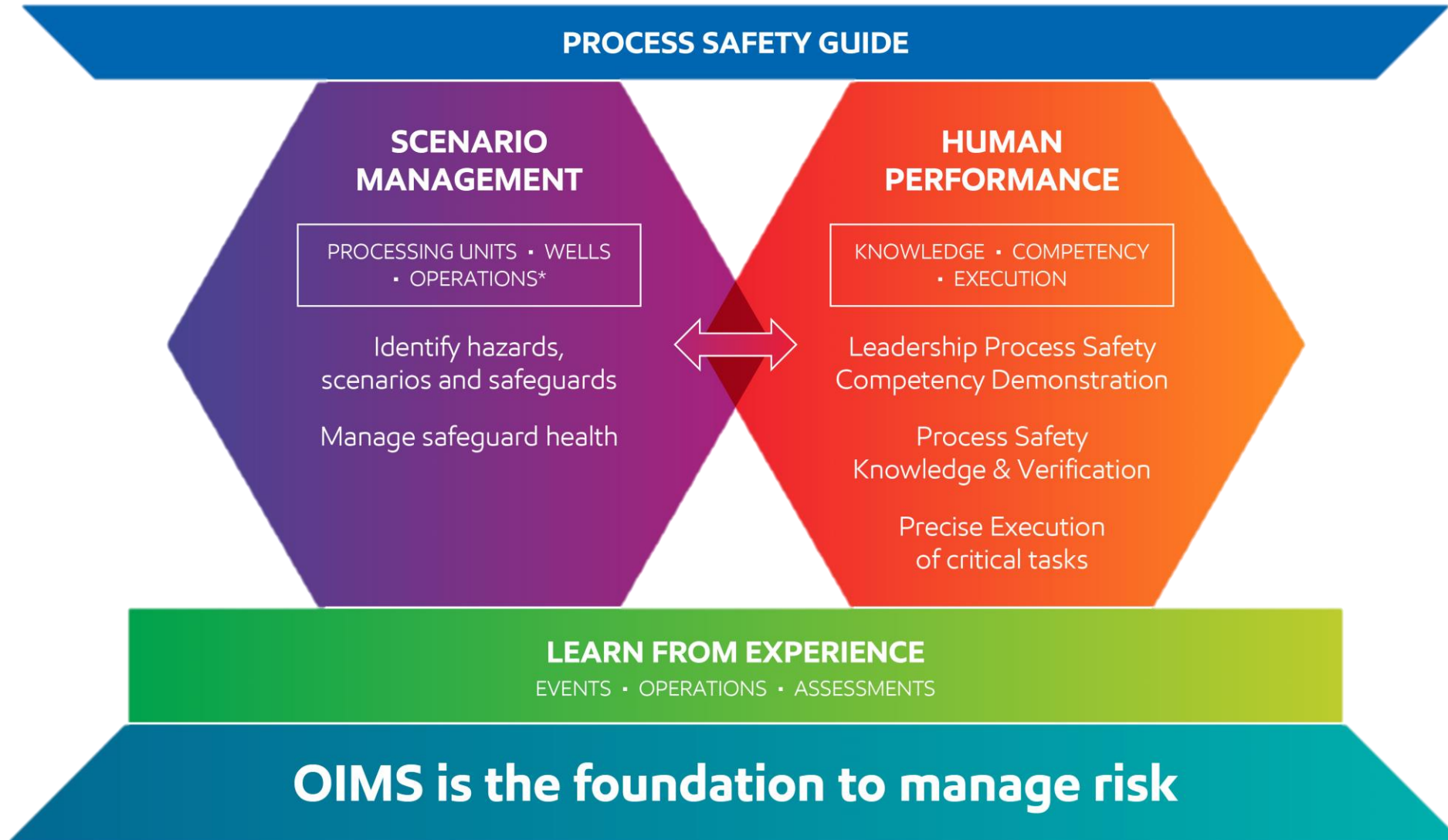


2021 C-NLOPB Spill Prevention and Response Forum

# ExxonMobil Canada's Enhanced Process Safety

Brian Engelman  
Hebron Asset Manager

# Enhanced Process Safety – Fundamentals



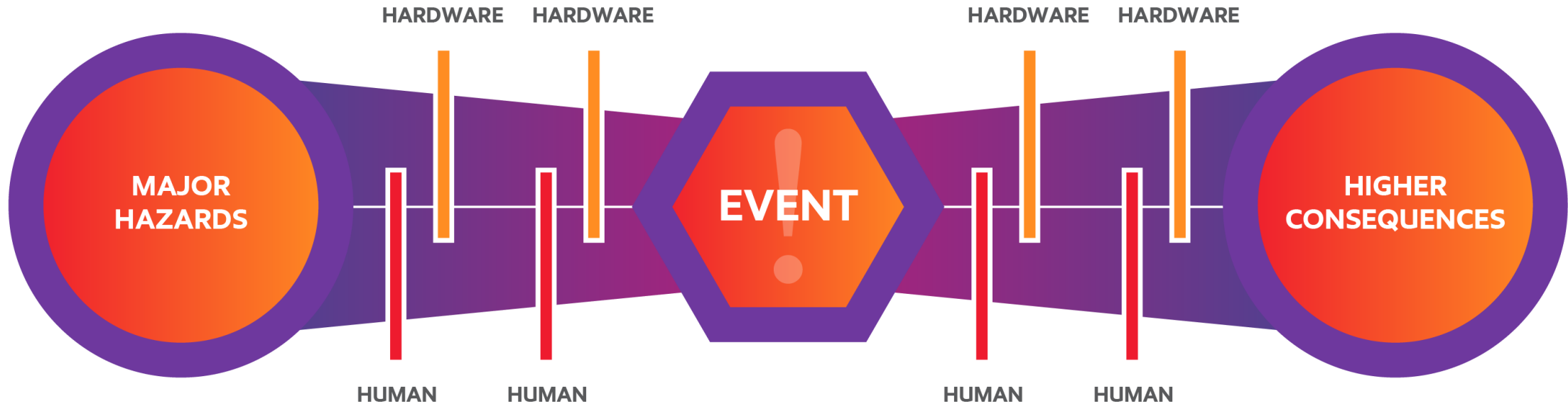
# Enhanced Process Safety – Scenario Management

**Scenario management:** emphasizes higher consequence potential scenarios, institutionalizes safeguard management and utilizes drills to reinforce field response



# Enhanced Process Safety – Human Performance *Hebron*

**Human Performance, Competency and Precise Execution:**  
improving the reliability of human safeguards



# Enhanced Process Safety – Process Safety & You *Hebron*

- Hebron “Process Safety & You” training campaign completed 1Q20
- Full workforce complement representing 443 Hebron workers
- Invitation extended to C-NLOPB and CoV’s to enhance collaboration
- Created common language and understanding around Scenario Management and Human Performance
- Emphasis on knowing your role - everyone on the platform given role card



**Hebron** PROCESS SAFETY I KNOW MY ROLE

### Process Safety for Accommodation Steward

- Report Unexpected Conditions / Changes
- Ensure Accommodation Fire Doors are Closed

**Hebron** PROCESS SAFETY I KNOW MY ROLE

### Process Safety for Scaffolder

- Rep...
- Enst...
- Con...
- Com of N...
- Avoi...
- Man Haz...
- Ass...
- Be A...
- Kno...
- Und...
- Rep...
- Act...

**Hebron** PROCESS SAFETY I KNOW MY ROLE

### Process Safety for Control Room Operator

- Ensure Critical Safeguards are Available
- Perform On-Screen Operator Rounds
- Confirm Safe Operating Limits
- Manage Alarms and Report Deviations
- Respond to Abnormal Operating Conditions
- Be Aware of Critical Defeats
- Precise Execution of Critical Tasks
- Execute Integrity Critical Procedures
- Recommend Procedural Enhancements
- Know the Process Safety Scenarios
- Actively Participate In Emergency Response Drills

Know Major Hazards  
Understand Safeguards  
Verify Safeguard Health  
**Know Your Role**

# Quote following 'Process Safety & You' Training *Hebron*

*"As I was stepping off of the Helicopter I was thinking about my new knowledge of Hebron's Process Safety Scenarios. At the same time I was also thinking I would never want to step onto another facility without first understanding their High Consequence Process Safety Scenarios!"*



**- Hebron Worker**

**ExxonMobil**