



#### Shell Scotford COAA Safety and Productivity Moment

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- How Shell is working to create a Caring and Collaborative atmosphere to improve using a tripartite approach
- Shell's Turnaround Partnership Tripartite program is about a how we work together to improve safety, quality, productivity and use of apprentices.

## **Shell Scotford Overview**

- Scotford consists of three facilities:
  - Refinery (opened in 1984)
  - Chemicals plants (Styrene in 1984 and Glycols in 2000)
  - Upgrader (opened in 2003 and expanded in 2011)
- Ongoing maintenance activities (routine maintenance, major maintenance, winterization)
- Turnarounds conducted in Spring & Autumn



### A call to action

- People continued to be hurt despite our pursuit of Goal Zero
- Something needed to change
- Engaging senior leaders at Shell, Building Trades, and the local contractors who could demonstrate what real leadership behaviours can achieve
- This integrated approach became the basis of the Tri-Partite initiative



# **Shell Tripartite**

- Tri-partite formed which includes Shell, BT and Contractors to improve Site Safety
- Steering team and implementation team developed to oversee the process
- First rollout began at Scotford in February 2011
- Initiative includes: Leadership team session, site walks, Dialogue sessions, action lists and follow up
- Shell Turnaround Partnership group started in 2012 to align on resourcing needs and turnaround improvement (Safety, Logistics, Quality, Productivity and Workforce Supply)

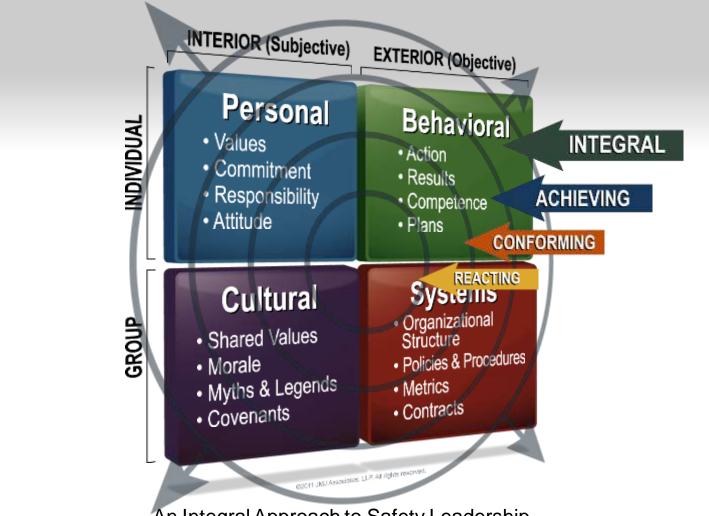


## **Tripartite Initiative**

#### What does our ideal collaborative culture look like?

- Great teams
- Open and honest communication
- Solid planning proactive
- Common goals
- Safety is part of everything we do
- We are professional and learning is valued
- Standardized practices
- Consistent rules which apply to all parties

#### **Goal Zero Safety Culture Initiative**



An Integral Approach to Safety Leadership

### **Industry Safety Vision**

#### Safest place to work in the world

• We care for everyone that works for us and we want them to return home in the same condition

#### Safety is not a competitive advantage

- Individually we believe we cannot get there (fast enough);
- It is imperative that we collaborate

Complete collaboration between Owners, Contractors, Labour

• Jointly, we can/will drive a sustainable cultural transformation

# **Goal Zero Safety Culture Initiative**

- Workforce perceived improved safety culture at site
- Multi-discipline/trade collaboration occurred
- Increase in
  - Near Miss Observation
  - Interventions/Coaching
  - Safety Suggestions
  - Reduced total injuries

"It is a pleasure to come to work and we are proud to work here."

"It's a safe and secure workplace."

"Our leadership walk the talk!"

# **Goal Zero Safety Culture**

- Shell , Contractor, Building Trade Leadership attended Goal Zero Leadership Workshop.
  - For a turnaround, an supervision training is added
- Workforce to attended a Goal Zero Orientation aimed at building a caring and collaborative atmosphere.

• Invite others to participate in Shell's Goal Zero Leader training

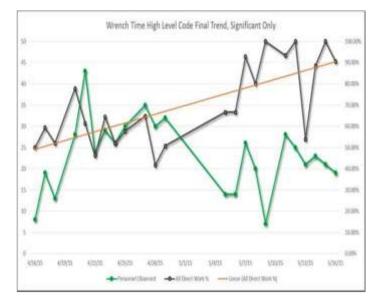
# Seven key areas identified to improve to 50% HOTT

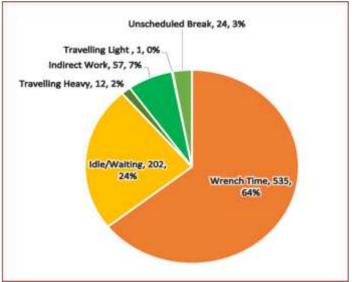
- 1. GOOD CULTURE
- 2. IMPROVE LOGISTICS AROUND ACCESS
- 3. MAXIMIZE TIME IN THE FIELD (BREAKS)
- 4. WORK ALWAYS AVAILABLE AND READY TO GO
- 5. SETTING THE STAGE FOR THE NEXT SHIFT
- 6. PERMITTING PROCESS
- 7. FOREMAN\SUPERVISOR SOFT SKILLS



# Results

- Achieved average HOTT = 64% (note method of measurement varied)
- Maintained positive collaborative approach though out turnaround
- First Upgrader turnaround start up schedule not impacted by leak
- Safety was best during later half where highest HOTT achieved
- Monitoring in field adjusted mid way to be less intrusive
- Can be achieved using a collaborative tripartite approach
- Does not impact execution safety or quality of workmanship





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### **Apprentices**

History

- Less then 20% apprentices used during turnaround
- Mostly 3rd and 4th years
- Stigma associated with bringing more apprentices (cost, safety, quality, availability)

#### Challenge

- Down turn in economy impacted traditional opportunities
- Impact to our future work force
- Opportunity
  - Retest using apprentices during turnarounds
  - Use Tripartite approach to understand opportunities/limitation
  - Expand the envelop (pre apprentice and all years)
  - Individual commitments as to what each group (Contractors/Halls) are willing to achieve

#### Results

- Numbers
  - 394 apprentices
  - Achieved over 29% total of work force
    - range from 11% to 44% by Contractor/Hall
- Impact
  - No safety, quality or productivity issues
  - Positive feedback by contractors, journeymen and apprentices
- Feedback
  - Individual apprentices asked to complete an anonymous survey
  - Data review at post turnaround Tripartite meeting
  - Opportunities to improve identified and applied to other turnarounds

# Closing

- Improvements can be done in many areas using a collaborative approach.
  - Safety
  - Quality
  - Productivity
  - Cost/Schedule
  - Apprentices
- Synergistic benefits
  - One is not at the expense of another

# **Questions and Answers**



