Using the Safety Perception Survey to Assess Your Organization's Safety Culture

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Agenda

- Safety Contact
- Grounding
 - Definition of Culture
 - 12 Elements
 - Bradley Curve
- Safety Perception Survey details (Mike Keesey)
- How is it used and what can we learn? (Bob Krzywicki)
- Q&A



Safety Contact - Listen to the Safety Instructions!





So what do we mean by "Safety Culture?"

"The safety culture of an organization is the product of individual and group values, attitudes, perceptions, competencies and patterns of behavior that determine the commitment to, and the style and proficiency of an organization's health and safety management." *

In layperson's terms, it defines what people do when no one is watching.

* HSC (HEALTH AND SAFETY COMMISSION), 1993. Third report: organizing for safety. ACSNI Study Group on Human Factors. HMSO, London.



To analyze client systems, DuPont breaks its world-class reference model into 3 major focus areas . . .

What does management do to lead employees to safety excellence?

What are the organizational structures that enable the pursuit of safety excellence?

Leadership

- Management Commitment
- Policies & Principles
- Goals, Objectives, & Plans
- Procedures & Performance Standards

What actions does the organization take on a regular basis to increase safety performance?

Structure

- Line Management Accountability & Responsibility
- Safety Personnel
- Integrated Organization Structure
- Motivation & Awareness

Processes & Actions

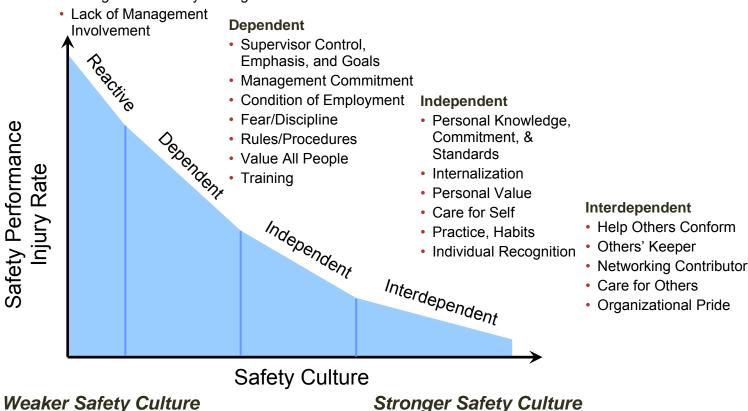
- Effective Communication
- Training & Development
- Incident Investigation
- Observations & Audits



The DuPont Bradley Curve helps you understand where you are and where you want to go

Reactive

- · Safety by Natural Instinct
- · Compliance is the Goal
- Delegated to Safety Manager





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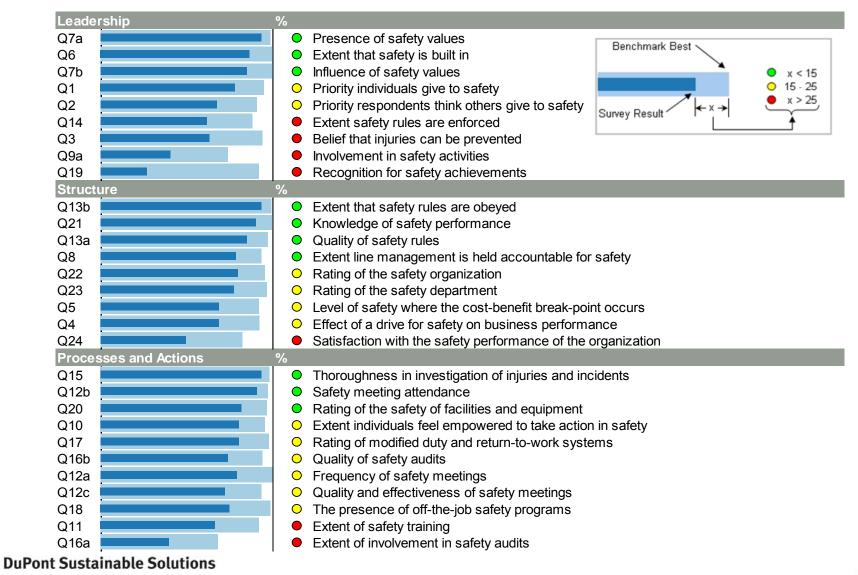


Measuring Culture with the DuPont Safety Perception Survey

- What is the survey tool?
- > What does the survey tool reveal?



Overall Survey Results vs. Benchmark Best, sorted by strength





Benchmark Best

Our Benchmark Best sites are manufacturing sites in the oil, textile, electrical, and chemical industries. To be considered Benchmark Best, a site must meet the following size and safety performance criteria:

- ≥ 160 employees at the location and had a statistically significant survey response rate
- No employee or contractor fatalities in the last 5 years
- 5 year employee LWIFR ≤ 0.25 with no single year employee LWIFR
 > 0.50. LWIFR is based on 200,000 hours.
- 5 year employee TRIFR ≤ 1.00. TRIFR is based on 200,000 hours.

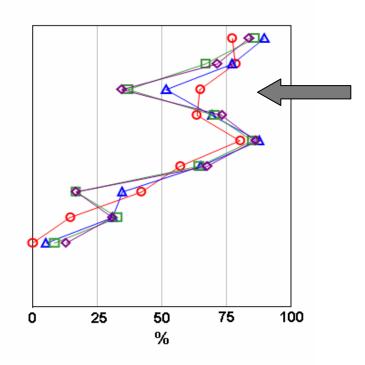
On-site assessments by DuPont Sustainable Solutions are required to verify that their Safety Leadership, Structure, and Processes and Actions are World Class.



The results can be compared by Job Category

Job Category Comparison: Leadership

Priority individuals give to safety Q1
Priority respondents think others give to safety Q2
Belief that injuries can be prevented Q3
Extent that safety is built in Q6
Presence of safety values Q7a
Influence of safety values Q7b
Involvement in safety activities Q9a
Extent safety rules are enforced Q14
Recognition for safety achievements Q19



Managers ──── Supervisors ──── Hourly Workers ──── Professionals ──



And by Location, Business Unit, or Function

Survey Comparison by Location: Structure

Effect of a drive for safety on business performance Q4

Level of safety where the cost-benefit break-point occurs Q5

Extent line management is held accountable for safety Q8

Quality of safety rules Q13a

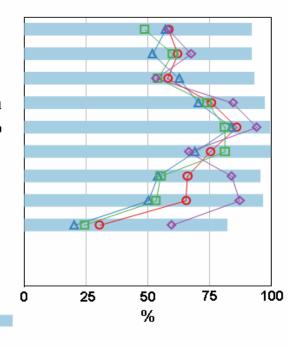
Extent that safety rules are obeyed Q13b

Knowledge of safety performance Q21

Rating of the safety organization Q22

Rating of the safety department Q23

Satisfaction with the safety performance of the organization Q24



Benchmark Best

Example Company ---

Location A

Location B

Location C ---

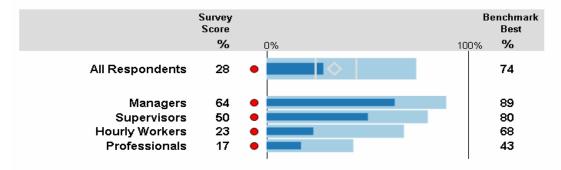


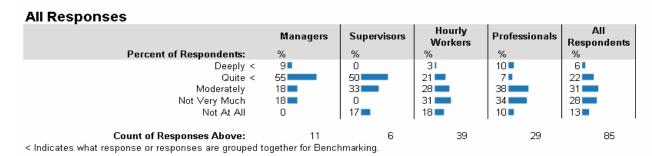


Detailed results and comparison to Benchmark Best for each question

Question 9a: In the past year, how active were you in safety improvement activities such as serving on a committee, participating in an incident investigation, or helping put together safety rules?

Percent of respondents who say they are deeply or quite involved in safety activities:

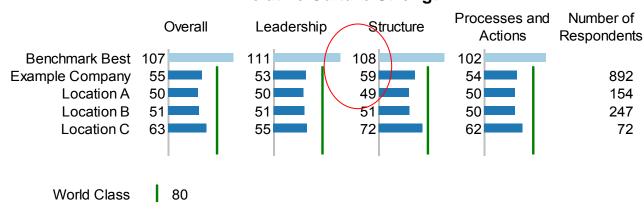






Survey Comparison

Relative Culture Strength



Overall Relative Culture Strength is a proprietary score that includes all of the questions from the Safety Perception Survey. The Leadership, Structure, and Processes and Actions scores are based on questions in those categories.



Our Database of Survey Results



- 693,000+ Survey Responses
- 51 Industries
 broad range including: energy, food,
 paper, chemicals, manufacturing and
 transportation
- 41 Countries
- 3,450 locations
- Benchmarks updated annually
- 11+ years of Data



DuPont Sustainable Solutions



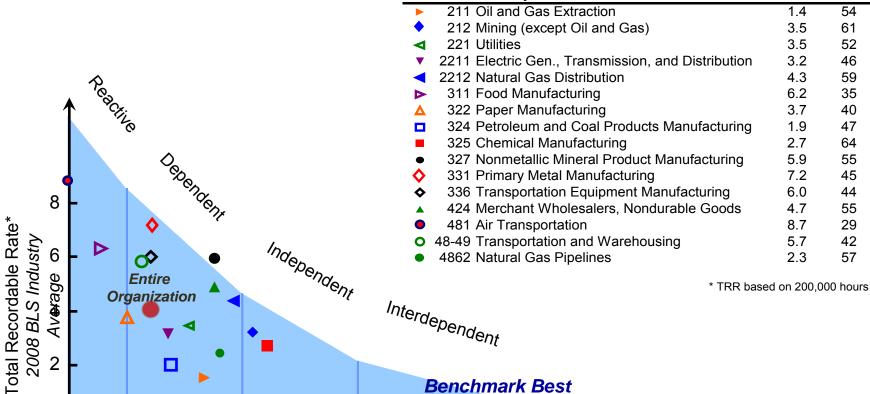




Avg

RCS

Compare results to Industry Average



NAICS Industry

Benchmark Best

100

Avg

TRR*

DuPont Sustainable Solutions

2

0

40



Relative Culture Strength Average of Survey Respondents in Industry

80

60

Comments from the survey provide more insights into the Safety Culture

Hourly Worker, Location B: "I think safety needs to be enforced at all levels. Some managers think 'work first'. Safety doesn't matter so much to them. It's 'ok' to 'bypass' the safety 'rule' for this one project."

Supervisor, Location C: "A few years ago we had a very good safety program and Safety Dept. in place. Due to cut backs the Safety Dept. has been drastically reduced and the current safety program has become nonexistent."

Manager, Location A: "It seems while there is a focus on safety, we have annual reviews of policies and procedures, but the frequency of safety reviews has diminished."

Professional, Location A: "New employees are not being trained the way they have been previously, hence there is less awareness and focus, even by management."

Hourly Worker, Location B: "No one takes it seriously until there is a problem. That is when the problem is pinned on one person instead of all of the people involved in the process."



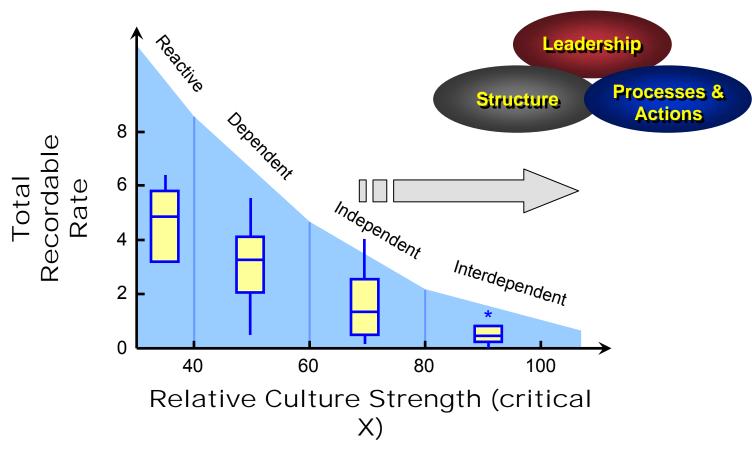
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The Goal is Zero

The Path is Via Strengthening Safety Culture





Traditional safety improvement tactics versus initiatives to improve safety culture

Traditional Improvement Tactics

- Attacking high frequency/severity events (e.g. S/T/F)
- Addressing causal factors (e.g. PPE inadequate)
- Addressing root cause (training, systems, procedures)
- Safety stand-downs
- Signage



Is this how you feel sometimes?

DuPont Sustainable Solutions

Improving culture

Strong Leadership

- Visible, demonstrated commitment
- Clear, meaningful policies and principles
- Challenging goals and plans
- High standards of performance

Appropriate Structure

- Line management accountability
- Supportive safety staff
- Integrated committee structure
- Performance measurement and progressive motivation

Focused Processes and Actions

- Thorough investigations and follow-up
- Effective audits and re-evaluation
- Effective communication processes
- Training & safety management skills



Revenue – Cost = Profit

No Conclusive Evidence that Good Safety <u>Assures</u> Profitability,

However...

Safety can have a Significant Positive or Negative Impact on Cost!

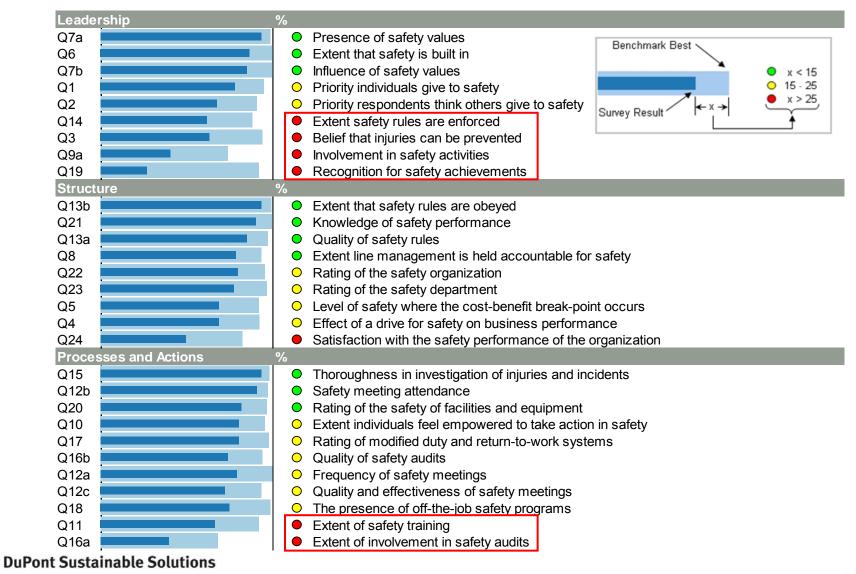
AND

The Strength of your Safety Culture is Directly Correlated to the Frequency of Events and Associated Costs!





What do I work on first to move the culture needle?





Can knowing the state of your culture make a difference in your business?

A case study.....



Is your organization resilient enough to absorb a comparable financial shock and restore business continuity?

Knowing the state of your safety culture can mean the difference not only in cost/savings and profitability but it can also have implications for survival!





Summary: What have we learned.... It's the CULTURE

- A sustained improvement in safety performance comes from working on the weak areas of your culture
- Trailing metrics are still valuable from a trending standpoint but offer little "actionable intelligence"
- Shift accountability from trailing metrics to strengthening cultural elements
- Must "move the needle" in all three domains Leadership,
 Structure, Processes and Actions







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