

Aligning Behaviors for Incident Free Operations LatAm HSSE in Energy Conference

December 4, 2014

The World Has Changed:

New Approaches To Safety and Reliability Are Needed

Situation	 The world is becoming much more complex Technology, organizations, processes, regulations, etc. Expectations for Operational Excellence have never been higher
Complication	 After decades of system-based improvement and quality initiatives, the level of failures remains too high Traditional approaches to safety and risk management are being stretched to their limit
Opportunity	 In the face of complexity, a few organizations have evolved new methods and approaches for achieving safety and reliability based on core behaviors Other organizations can and should take advantage of these best practices

Highly-Regarded Organizations Struggle To Manage Complexity And Risk

Examples:

- 1979 Three-Mile Island core meltdown
- **1986 Space Shuttle Challenger explosion**
- 2003 Space Shuttle Columbia accident
- 2005 Texas City Refinery explosion
- 2010 BP Deepwater Horizon oil spill
- 2011 Fukushima Daiichi disaster

 Image: Complexity

These organizations all had well-developed risk management programs and management systems

Companies Are Passing A Complexity Threshold

Operational risk grows exponentially with complexity



The Typical Response To Incidents Is To Add More Complexity, Which Compounds The Problem



The Missing Link In These And Other Incidents: Behavioral and Operational Discipline Weaknesses



The Right Behaviors And Culture Are Essential



Processes and procedures, without a culture that embraces values and behaviors, will not result in Operational Excellence

An Operational Discipline Culture: Three Simple Requirements



Instill Simple And Proven Behaviors

Operational Discipline

Doing the right thing,

the right way,

every time.

"Behavioral Pillars"

Increasing Knowledge. Understand not just what you do, but why you do it. Continually seek greater knowledge about the systems, processes, and hazards in and around your workplace.

Structured Approach. Treat your workplace and your role with respect, recognizing the seriousness of what you do and your role as a part of something bigger. Follow authorized procedures and expect the same from others. If you think of a better way, follow authorized processes to review and improve the procedures.

Questioning Attitude. Constantly ask yourself what could go wrong. Check for out-of-the-ordinary and learn to anticipate potential problems. Don't assume things are okay—verify.

Engagement. All employees actively back each other up and value the input of others. You look for what might be wrong in another's area, or what a co-worker might have missed, and expect the same in return. Employees act as 'each others keeper.'

Integrity and Courage. Be reliable. Do what you say you are going to do, completing every task the right way, every time, even if no one is watching.

Five Pillar Behaviors:

Role Sheets And Improvement Action Plan Worksheet



- ✓ A powerful tool to drive change and improvement
 - Questioning Attitude
 - Integrity and Courage
 - Engagement
 - Increasing Knowledge
 - Structured Approach
- ✓ Role sheets developed for all positions in the company
- Improvement Plan
 Worksheets define areas for personal improvement
- The improvement process works best when managers and supervisors interact with individuals, drive and lead the process

Why Analytics: An Effective Way To Apply The Pillars



- Develop skills from all segments of business (operations, maintenance, engineering, SHE, accounting, executives)
- Integrates with the Pillars, show how to apply the Pillars
- ✓ Builds common language of critical thinking skills
- ✓ Simple to apply
- Our experience is that participant feedback very positive – ability to improve problem solving has been demonstrated

4 Step Approach To Align Behaviors And Reduce Incidents

 Manager Design, Ownership, and Support 	Awareness		
	Kick-Off Sessions	Action	
 Leadership Team Adoption & Ownership Set expectations for, support of, and reward for behaviors Behaviors become the "way we work" not a program or slogan Involve union leadership as owner 	 Roles Sheet Development & Ownership Development of Improvement Action Plans Communicate behaviors as an aligned way of thinking and acting NOT a program Common critical thinking skills are put in place to enable behavior application (Why Analytics) 	 One-On-One Meeting with Employees to Discuss Expectations and Create Improvement Action Plan Coaching to Move from Awareness to Implementation Use Five Pillar Behaviors & Why Analytics for Problem Solving (Could, Is, Did) 	 Sustainment Leadership Involvement Hiring for Five Pillar Behaviors Onboarding Process Performance Review Process Talent Management Integrate into Supervisor Training Communication of Successes

- Behaviors and an operational discipline culture are key to reducing incidents
- Without addressing behaviors, complexity prevents typical improvement initiatives and management systems from succeeding
- Five Pillar Behaviors and Why Analytics can reduce the risk of incidents and improve your performance

WP&C helps companies across three areas:



Strategic advantage is fleeting, requiring a **faster**, **nimbler approach** to strategy Complexity is the defining issue for many companies today, with **impacts on cost**, growth, and risk Companies today need new capabilities and a more holistic approach to operations

We help our clients connect the dots in their business—while most consulting firms focus on individual parts, we also focus on how those pieces fit and work together for superior business performance

Complexity is a growing challenge for companies; WP&C helps companies meet this challenge

In a recent survey, **CEO's identified complexity as <u>the</u> primary challenge they face**. Nearly 80% said they expect high levels of complexity over the next five years. Yet far fewer felt prepared. "Complexity dramatically increases cost and risk of failure. It is like a cancer that eats away at efficiency and profitability."

> – Andy Beal Chairman & CEO, Beal Bank





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We literally wrote the book on Complexity!

"This book delivers,"

– Ahmad R. Chatila, CEO MEMC Electronic Materials Inc.

"...an ambitious book packed with insight and fresh thinking. Separating good from bad complexity is a critical task facing companies today, and the authors provide a compelling roadmap"

> - Michael B. McCallister President & CEO, Humana Inc.

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- Authors of *Waging War on Complexity* (the #1 business book on complexity) ٠ and an upcoming book on *accelerating profitable growth*
- Featured in CEO Magazine, CNBC, Investors Business Daily, The European Business Review, and Agenda (an FT publication)
- Have written numerous other publications on safety, risk, and growth