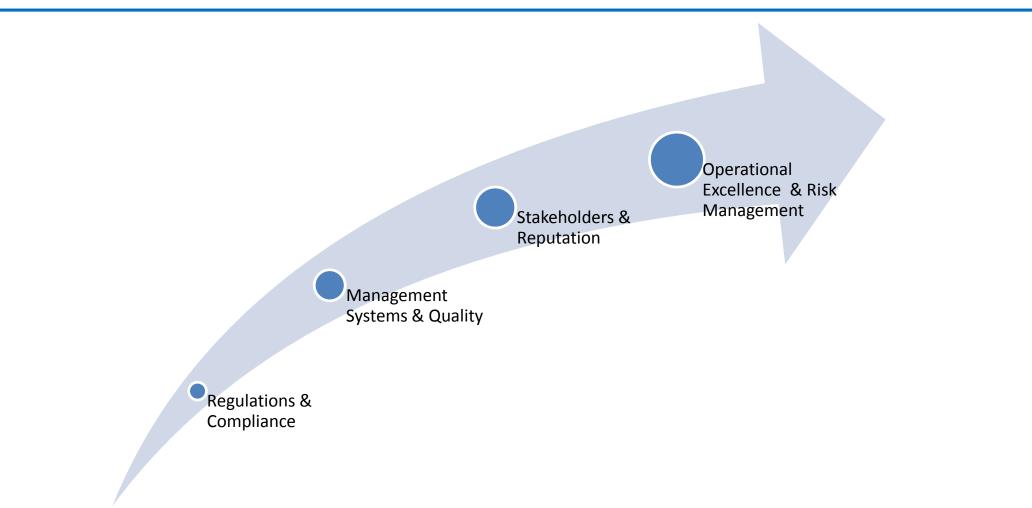
# Operational Excellence By Automating Operational Risk Management

#### February 4, 2016 Doug Hatler, EVP of Sales

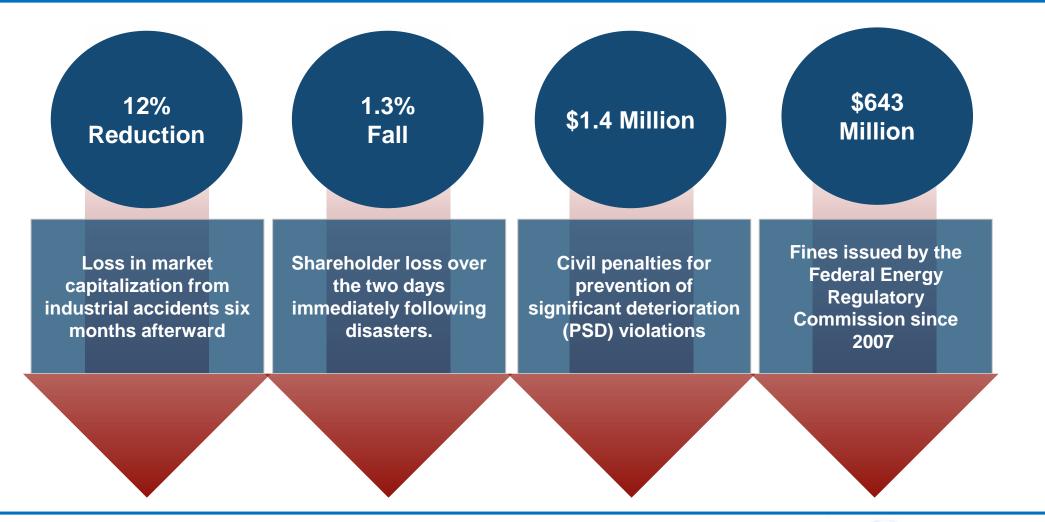


# Industry is in a Paradigm Shift



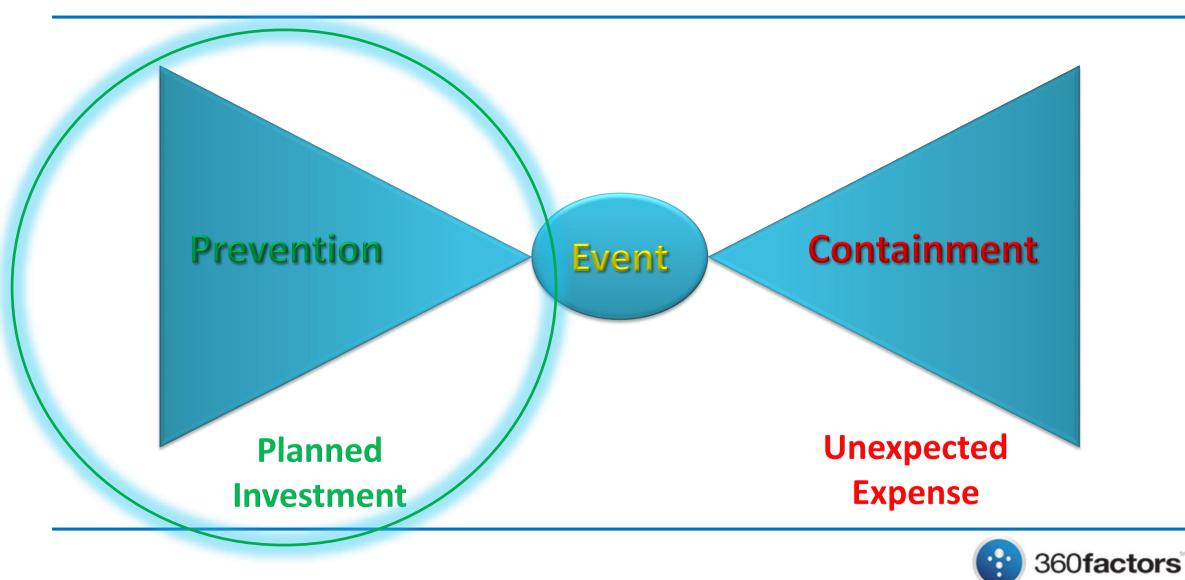


# Key Drivers



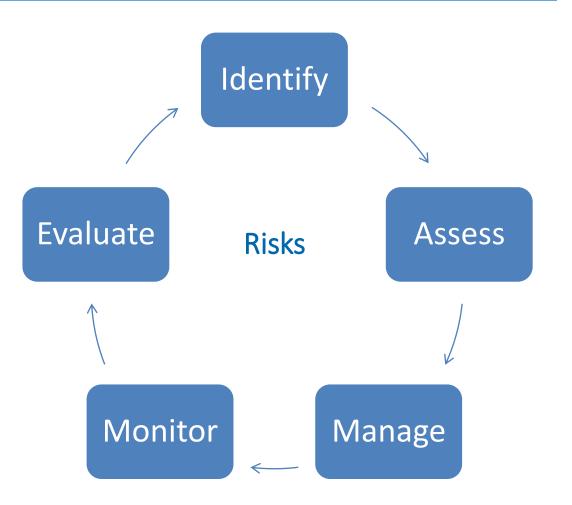


#### What's the overall objective?



# Elements of Operational Risk Management

- Internal and external security
- Employment practices and workplace safety
- Customers, products, services, vendors and business practices
- Damage to physical assets and the environment
- Business disruption and systems failures
- Execution, delivery, and process management





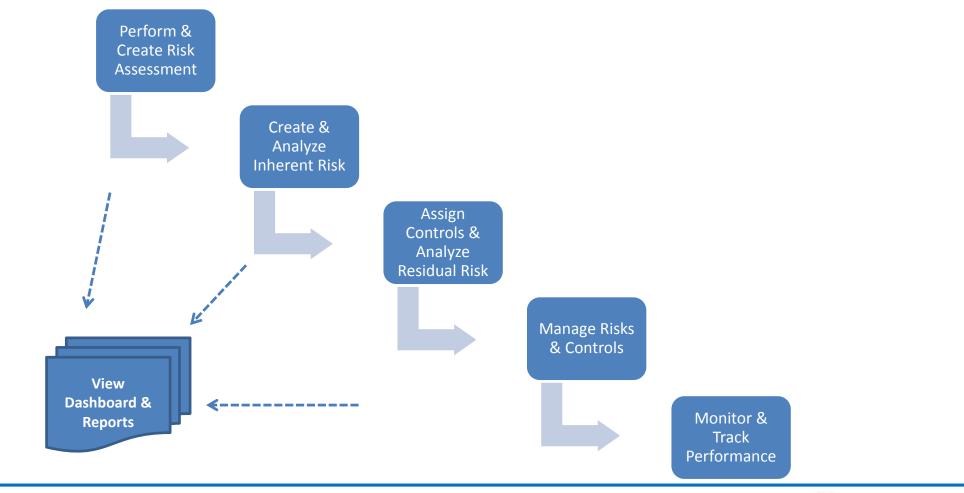
# Risk Management

#### Risk Assessment => Risks => Controls => Actions

- Risk Assessment
  - The activity that identifies, raises, and assesses risks
- Risks
  - harmful events that can occur whereby something of value suffers harm or loss
- Controls
  - Preventive, detective, or corrective devices or processes used to reduce risk
- Actions
  - Activities that track the implementation of controls that reduce the Inherent Risk to the Residual Risk



#### Risk Management





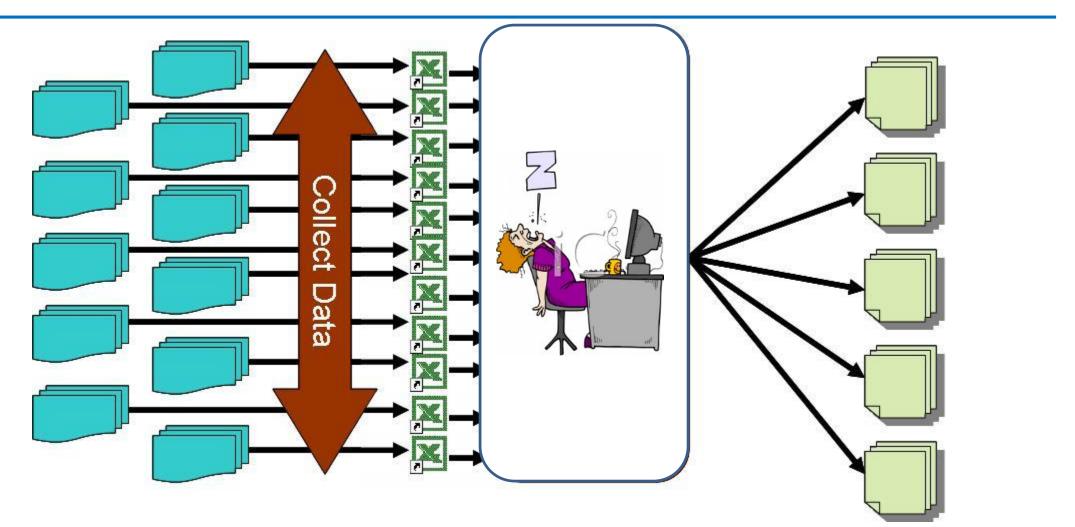
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# Typical Scenario In Most Companies

- No common taxonomy and rating criteria
- Standards and methodologies are not uniformly applied
- Manual, disparate, decentralized systems and processes
- Reporting is tactical and done in silos
- Lack of horizontal and vertical transparency

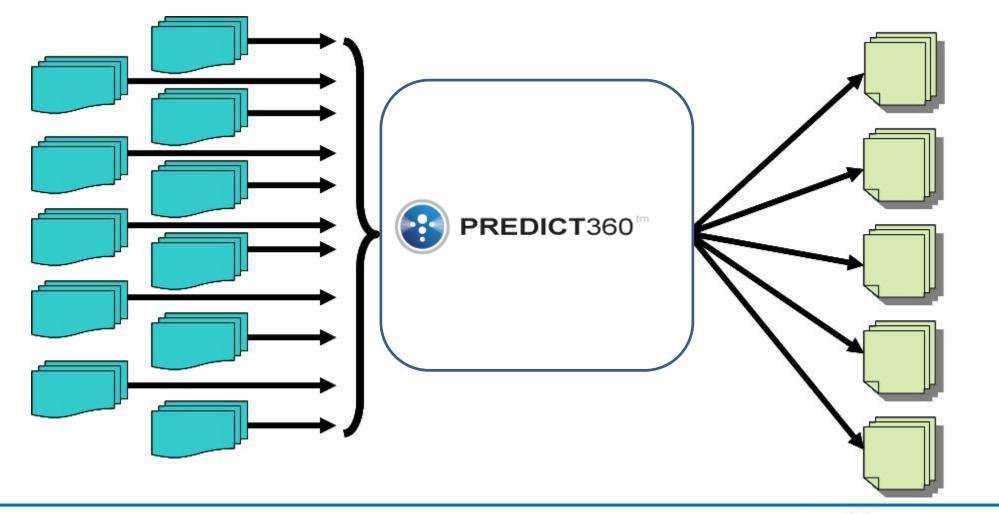


#### The "As Is" Model





#### The "To Be" Model





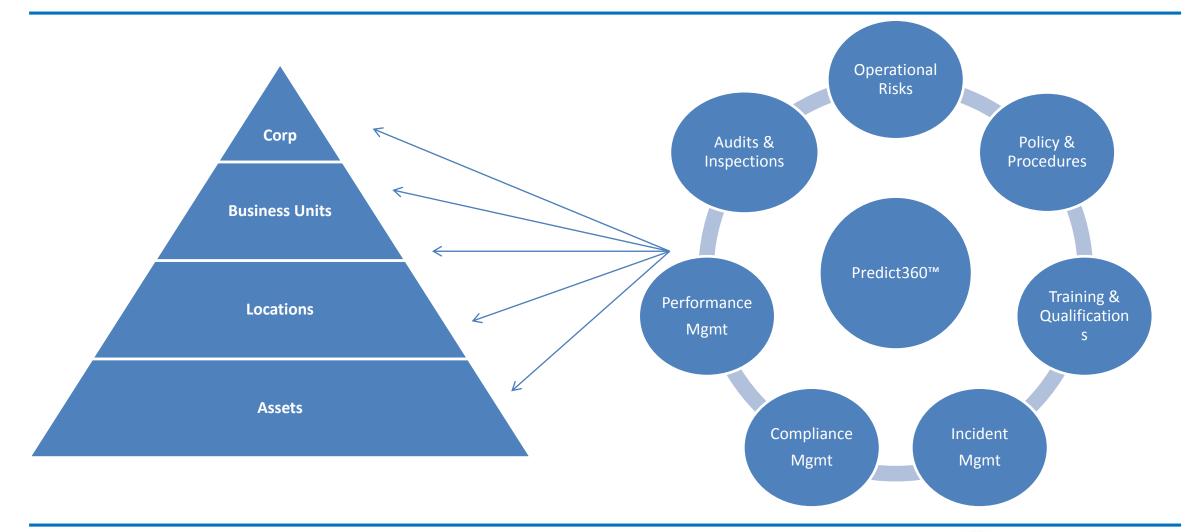
# Automating Operational Risk & Compliance

- Single database and reporting platform for risk and compliance
- Leverages and values inputs at all organizational levels
- Disparate business processes simplified and made consistent
- Provides a cumulative risk and compliance profile
- Manages regulatory change enterprise wide





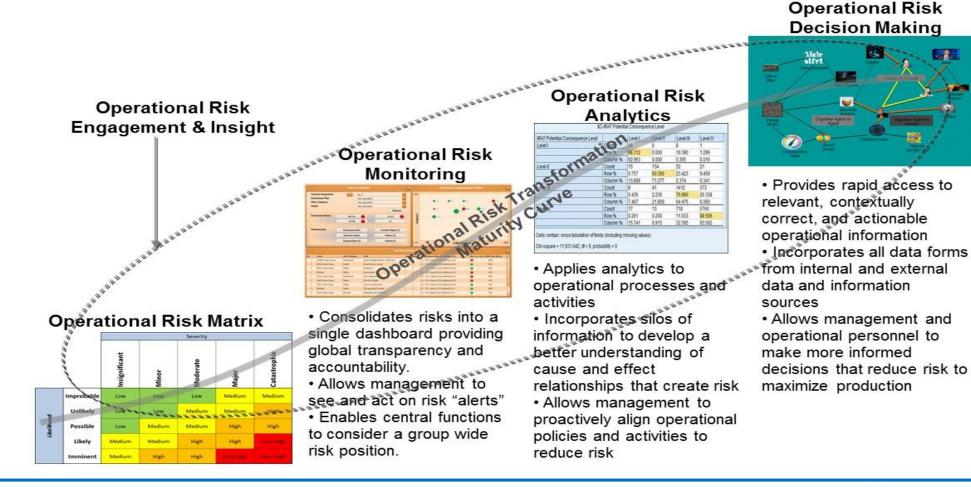
#### The Power of an Integrated Solution





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# **Operational Risk Maturity Curve**





# Risk Analysis

#### ANALYSIS

Add Manage

	Inherent					Residual					
Risk Criteria	Likelihood		Impact	R	lisk Rating	Likelihood		Impact		Risk Rating	Treated Rating
	Almost Certain (5.00)	٣	Major (4.00)	Y	20	Possible (3.00)	٣	Minor (2.00)	Ŧ	6	20
Environmental	Likely (4.00)	Ŧ	Major (4.00)	*	16	Possible (3.00)	*	Moderate (3.00)	*	9	16
Financial	Likely (4.00)	Ŧ	Moderate (3.00)	*	12	Unlikely (2.00)	*	Insignificant (1.00)	v	2	12
Legal	Almost Certain (5.00)	Ŧ	Major (4.00)	*	20	Possible (3.00)	*	Minor (2.00)	v	6	20
Reputation	Almost Certain (5.00)	Ŧ	Major (4.00)	Ŧ	20	Possible (3.00)	Ŧ	Minor (2.00)	Ŧ	6	20



# Global Risk Heat Map

			Impacts		
Likelihood	Catastrophic (5.00)	Major (4.00)	Moderate (3.00)	Minor (2.00)	Insignificant (1.00)
Almost Certain (5.00)	Extreme	Extreme	Extreme	High	High
	4.00	4.00	4.00	3.00	3.00
Likely (4.00)	Extreme	Extreme	High	High	Moderate
LIKEIY (4.00)	4.00	4.00	3.00	3.00	2.00
	Extreme	Extreme	High	Moderate	Low
Possible (3.00)	4.00	4.00	3.00	2.00	1.00
	Extreme	High	Moderate	Low	Low
Unlikely (2.00)	4.00	3.00	2.00	2.00 1.00 1.00	
Daria (1.00)	High	High	Moderate	Low	Low
Rare (1.00)	3.00	3.00	2.00	1.00	1.00



#### Surveys and Inspections

Sepredict360	0 🛱 🗘 😂 🔎
Risk Management > Surveys > My Surveys > Preview Survey	
EHS AUDIT	Print
AISLES/EXITS/EGRESS	Question Bank : AISLES/EXITS/EGRESS
. Minimum width of any aisle leading to an exit is at least 44 inches wide.	
Yes	
No	
N/A	
Are exits marked, free of debris and readily accessible at all times?	
Yes	
No	
N/A	
Is emergency lighting operating? (Test by using test button if you can do so from the ground or floor.)	
Yes	
No	
N/A	



# Assessment Summary and Action Needed

Predict360 <sup>®</sup>			0 🛱 4º 🔗 🔍
ANALYZE SURVEY	Take Action	×	Print
Summary Individuals	Cases CAPA Tasks Training Plans	Experts Risks	
EHS Audit	Create Task	Link	
AISLES/EXITS/EGRESS	Key Summary	Created Updated	
<ul> <li>Recommended Risk Threshold: Low (3.00)</li> <li>Flag risk at or above: 3.0 (Recorded Risk: 2.29)</li> <li>COMPRESSED GAS CYLINDERS</li> </ul>	[SMS-37] Check Aisles for NonCompliance	08/07/2014 08/07/2014	Take Action
+ Recommended Risk Threshold: Low (3.00) Flag risk at or above: 3.0 (Recorded Risk: 2.4)			Take Action
EMERGENCY, HEALTH, AND SAFETY INFORM Recommended Risk Threshold: Low (3.00) Flag risk at or above: 3.0 (Recorded Risk: 2.0)		Close	Take Action
FIRE EMERGENCY			
<ul> <li>Recommended Risk Threshold: Low (3.00)</li> <li>Flag risk at or above: 3.0 (Recorded Risk: 3.0)</li> <li>FIRE PREVENTION</li> </ul>			Take Action
<ul> <li>■ Recommended Risk Threshold: Low (3.00)</li> <li>Flag risk at or above: 3.0 (Recorded Risk: 3.0)</li> </ul>			Take Action



# Key Features

#### Risk Taxonomies and Risk Register

- A single repository using standard taxonomies for risks and controls
- Risk register with standard and customizable risk criteria and rating scales for inherent and residual risks
- Standard risk events and risk library
- Assign risks to business units and responsible persons
- Standard control type and control libraries
- Associate one or many controls to risks and identify the control efficacy for evaluation of which controls are most effective to implement
- View risk and control data in configurable reports and dashboards

#### Risk Surveys and Inspections

- Frameworks, questions and questions banks to be used to create risk survey and inspections
- Survey and inspection scoring including risk weightings and risk threshold criteria
- Create, publish, and assign to one or many users or groups risk surveys and inspections
- Send email notifications with links to the survey enabling users to log in and complete surveys and inspections
- Track survey and inspection progress and analyze the results against risk scoring and threshold criteria
- Take action if a risk survey or inspection exceeds threshold criteria
- View survey and inspection data in configurable reports and dashboards

