



WOLFCREEK

SAFETY SOLUTIONS



CASE STUDIES

JANUARY 2018



CLIENT

Large Pipeline Construction Contractor

PROJECT

Strategic Construction Safety Performance Model® (SCSP)

INDUSTRY / SECTOR

Interstate Pipeline Construction



PROJECT OVERVIEW

The WSS Strategic Construction Safety Performance Model® (SCSP) was developed to create a strategic safety model and assessment framework relevant to the construction industry, based upon peer-reviewed research to define granular benchmarks of safety performance peaking at world-class.

The anatomy of this model divides these cues into four Divisions, each with their own unique set of Elements identified through additional peer-reviewed research. WSS defines progressive indicators for each Element, progressing from “good” to “better” to “best”. The SCSP allows organizations to understand their current level of safety performance and make concrete plans with specific goals for improvement.

THE PROBLEM

The current state of safety models relies heavily on a tactical approach to safety performance enhancement, with an emphasis on executive leadership coaching based largely upon opinions and leadership psychology. Organizations that seek world-class safety performance must far surpass every OSHA, state, and local regulation and guideline. Until now, no framework has existed to guide that journey strategically. An empirical, fact based, and research-validated model is the best approach to improving every aspect of an organization’s safety program.

OUR SOLUTION

WSS' team of safety practitioners took a scientific rather than a merely managerial approach to building a universal model for safety transformation in the construction industry. We built the SCSP upon the research of Dov Zohar and Edwin L. Zebroski which identified cultural cues and programmatic elements common to organizations with high safety performance, considering both catastrophic incidents and TRIR. We organized these strategic fundamentals into four Divisions: Workforce, Safety Programs, Safety & Operations, and Key External Relationships.

After reviewing a larger body of scientific research, we defined 17 essential Elements of safety performance, grouped by Division:

DIVISION	ELEMENT
Workforce	<ul style="list-style-type: none">• Worker Involvement & Engagement• Employee Retention• Safety Behaviors• Rewards and Recognition
Safety Programs	<ul style="list-style-type: none">• Substance Abuse Management• Emergency Preparedness• Learning & Communication• Management of Change (MoC)• Pre-Construction Planning & Design• Technical Training & Orientation• Case Management
Safety & Operations	<ul style="list-style-type: none">• Safety as an Operational Value• Risk Management Techniques• Pre-task Planning & Safety Meetings• Safety Function Effectiveness
Key External Relationships	<ul style="list-style-type: none">• Client Involvement & Partnership• Subcontractor, Vendor, & Supplier Management

The contributors to this model identified progressive indicators by leveraging additional peer-reviewed research and professional discretion based upon their many decades' experience in the subject of construction safety. These granular indicators lay out the characteristics of organizations performing at "good," "better," or "best" levels for each Element. World-class safety performance requires meeting the "best" indicator across the board.

This tool allows an organization to assess its safety program's level of maturity. By providing concrete definitions for "good," "better," and "best" performance for each Element of safety performance, the SCSP has helped large pipeline construction contractors identify strengths, find specific areas for improvement, and set up concrete plans for improvement that result in industry-leading performance.

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