

# Introducing the Safety Climate – Safety Management Information System



Dr. Linda M. Goldenhar  
Director Research and Evaluation, CPWR

# Why we created the SC-SMIS

Make available an easy-to-use, interactive web-based system that construction companies of any size can use – at no cost – to achieve continuous **Safety Climate** and **Safety Management** improvement.

# Project Team

## CPWR

Linda M. Goldenhar, MS, PhD

Babak Memarian, PhD, CSP, CHST

Jean Christopher Le, MPH

Sherri Wilson

## Web Design/Developer

Wood Street, Inc [www.woodst.com](http://www.woodst.com)

## User Development Team (UDT)

- Bruce & Merrilees Electric Company
- Christenson Electric
- Choate Construction
- Jamerson-Lewis Construction
- Keller - North America
- Leopardo Companies, Inc.
- Manafort-Precision, LLC
- Metcon, Ltd
- NTD Mechanical
- Phase 2 Construction Company
- Wildcat Construction

# Agenda

Keep track of plans & schedule  
reminder to conduct annual assessment

Schedule/conduct safety  
climate assessment

Run report(s), review  
scores across indicators

With scores in-mind, go  
to safety management  
resource repository

View resources to strengthen  
low-scoring indicators

Select/download  
desired resources

Create plan to put  
resource(s) into action





Safety Climate —  
Safety Management  
Information System

[Log In](#)

[Create an Account](#)

[Enter as Guest](#)

[FAQ](#)

## Welcome to the Safety Climate - Safety Management Information System (SC-SMIS)

Contractors can use the SC-SMIS free of charge to assess their safety climate, select and implement appropriate tools to strengthen it and engage in continuous safety climate improvement. [Click here for SC-SMIS user testimonials](#)

Log-in to start using the SC-SMIS

New to the SC-SMIS?

[Create an Account](#)

or

[Enter as a Guest](#)



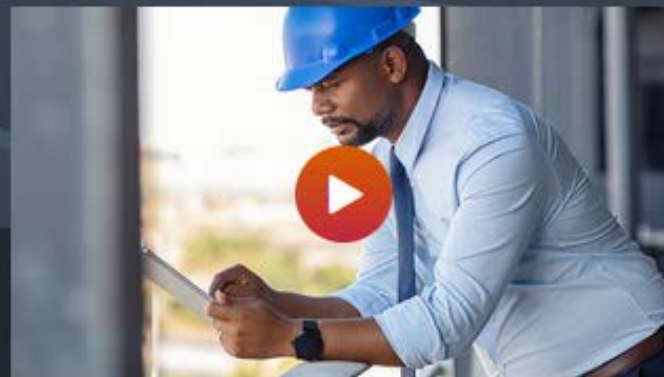
### What is the SC-SMIS?

⌚ 1:22 Minutes



### How to use the SC-SMIS

⌚ 4:19 Minutes



CPWR

[About](#) [Terms of Use](#) [Privacy Policy](#) [FAQ](#) [Questions?](#)

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\* Required fields

## Create an SC-SMIS Account

### Company Information

Company Name \*

Arlington Homes

Zip/Postal Code \*

25505

Is this a construction company? \* ⓘ

☒ Yes ☐ No

### Primary SC-SMIS Administrator

First Name \*

Linda

Last Name \*

Goldenhar

Email Address \*

lgoldenhar@cpwr.com

### Alternate SC-SMIS Administrator

First Name \*

Sherri

Last Name \*

Wilson

Email Address \*

swilson@cpwr.com

Delete

### Account Credentials

User ID \*

lgoldenhar@cpwr.com

Password \*

\*\*\*\*\*

Confirm Password \*

\*\*\*\*\*

Password must contain at least one upper case letter,  
one number, and one symbol

Confirm you're not a robot by sliding the arrow over —

I'm not a robot



Create Account

Cancel



## Email Verification

You must verify your email address to gain access to the SC-SMIS tools.

Welcome to the SC-SMIS! Before getting started, please verify your email address by clicking on the link we just emailed to you. If you didn't receive the email, please click the **RESEND EMAIL** button below.

If you did not receive a verification email, check your junk/spam folder. If it's not there, please add [scsmis.com](mailto:scsmis.com) & [no-reply@scsmis.com](mailto:no-reply@scsmis.com) to your spam filter's white list. After doing that, you'll need to click on the resend the verification email button.

[Resend Verification Email](#)[Log Out](#)

Hello!

Please click the button below to verify your email address.

[Verify Email Address](#)

If you did not create an account, no further action is required.

Regards,  
CPWR SC-SMIS Team

If you're having trouble clicking the "Verify Email Address" button, copy and paste the URL below into your web browser: <https://www.scsmis.com/email/verify/125/0e422dc6c1b749373744b67078e2f77efc097862?expires=1644249740&signature=dae265beefe2cb5e9c60376a8bb42595ba650d98ce5b90df976570f61b2763a5>





## Welcome to the Safety Climate - Safety Management Information System (SC-SMIS)

### The Safety Climate Assessment Tool (S-CAT)

[Learn More About the S-CAT →](#)



Schedule S-CAT  
Assessment



S-CAT Results &  
Reports

### Small Contractor Safety Climate Assessment Tool (S-CAT<sup>SC</sup>)

[Learn More About the S-CAT<sup>SC</sup> →](#)



Schedule S-CAT<sup>SC</sup>  
Assessment



S-CAT<sup>SC</sup> Results &  
Reports



Safety Management Resources



Current and Completed Action Plans



# Safety Climate Assessment Options

## About the S-CAT



Companies that are further along on their safety climate improvement journey can measure their safety climate maturity across eight leading indicators of jobsite safety climate using the S-CAT.

**Click to Preview & Download S-CAT:**

[English](#) | [Spanish](#)

Plan and Schedule S-CAT



## About the S-CAT<sup>SC</sup>



Companies of any size might want to start their safety climate improvement journey by having management/supervisors conduct a simple needs assessment of the company's jobsite safety climate across eight leading indicators using the S-CAT<sup>SC</sup>.

**Click to Preview & Download S-CAT<sup>SC</sup>:**

[English](#) | [Spanish](#)

Plan and Schedule S-CAT<sup>SC</sup>



## Safety Climate Leading Indicators

- Demonstrate Management Commitment
- Align Safety as a Value
- Ensure Accountability
- Improve Supervisory Leadership
- Empower and Involve Employees
- Improve Communication
- Train at all levels
- Involve Owner/Client in Safety





\* Required fields

## Plan and Schedule S-CAT

### 1. When would you like employees to begin taking the S-CAT?

Month \*

February

Day \*

20

Year \*

2022

### 2. Participant Group(s)

If the goal **is** to compare scores across Departments, Jobsites or Job title (e.g. Craft, Management) create separate groups. *Note – To maintain anonymity, there should be at least 5 participants per group.*

If the goal **is not** to compare scores across departments and/or roles or to take it as an individual, create one group.

Company \*

Arlington Homes

Dept. or Jobsite (Optional)

Job Title (Optional)

Group Total (Optional)

+ Add Group

#### List of Groups Created

#### Actions

Arlington Homes – Silver Spring – Field – 02/20/2022 New



Arlington Homes – Silver Spring – Supervisors – 02/20/2022 New



Arlington Homes – Home Office – Management – 02/20/2022 New



Once you've created the participant groups you want, hit SUBMIT to receive group-specific emails you can use/modify to invite employees to complete the S-CAT.

Submit to Administrator

Cancel



## Arlington Homes S-CAT Results

Congratulations! You've successfully conducted a safety climate assessment. Now consider [scheduling a reminder](#) to conduct a follow-up S-CAT to measure improvement.

### Active Results

[View Archives](#)

Groups Completing the S-CAT	Start date	Group Total	Responses	Actions
<input type="checkbox"/> Arlington Homes – Silver Spring – Field	Feb 20, 2022	10		Archive
<input type="checkbox"/> Arlington Homes – Silver Spring – Supervisors	Feb 20, 2022	5		Archive
<input type="checkbox"/> Arlington Homes – Home Office – Management	Feb 20, 2022	7		Archive

There are three reporting options:

**Individual Group** – Check the box next to one group name and click the Individual Report button.

[Individual Report \(1 Group\)](#)

**Comparison Groups** – Check up to four boxes next to the group name and click the Comparison Report button. Each group's scores will be shown separately for easy comparison.

[Comparison Report \(2-4 Groups\)](#)

**Combined Groups** – Check two or more boxes next to the group name and click the orange Combined Report button. Data from each group will be combined and shown as an

[Combined Report \(2 or More Groups\)](#)



## Safety Climate — Safety Management Information System

Here is a sample email you can use/modify inviting employees to participate in the S-CAT. Remember to keep the unique URL as is.

**\*Note – [Click here](#) to see options for employees who don't have access to email.**

**Target Group:** Arlington Homes – Silver Spring – Field

Dear valued employee,

Arlington Homes needs your valuable input and feedback so we can continue to improve the safety climate on your jobsites.

We're asking our employees to spend approximately 20 minutes taking the S-CAT survey that was developed by CPWR – The Center for Construction Research and Training ([www.cpwrr.com](http://www.cpwrr.com)). You can answer the questions using a mobile device, tablet, or desktop computer.

Employee answers are completely anonymous and cannot be linked back to an individual. The computer program will combine all of the responses together in a large database and no one at Arlington Homes will have access to the database.

To take the S-CAT please click on this link  
<https://www.scsmis.com/survey/take/PeXD6v0q13PElrmj> before [END DATE].

Thank you for taking the time to help keep your jobsites safe!

CEO, Safety Director, etc.

Instructions  
for Admin

Email text to  
tailor and  
forward

Group-specific  
URL that must  
not be changed



Safety Climate —  
Safety Management  
Information System

## Welcome to the Safety Climate Assessment Tool (S-CAT)

Welcome to the Safety Climate Assessment Tool (S-CAT). Thank you for taking the time to give us your honest feedback so we can improve the safety climate on your jobsites. All of your responses are completely anonymous.

**Instructions:** First, select your preferred language. Next, slide the 'I'm not a Robot' bar and click the 'Take the S-CAT' button. On each page, read the Activity heading and then click on the button that you think best describes what goes on at your company related to that Activity. Then, click the Next button to move to the next item.

Select your preferred language

In English

En Español

Confirm you're not a robot by sliding the arrow over →

I'm not a robot



Take the S-CAT



← Back

24%

Next →

**Activity:** Safety is integrated into organizational policies and procedures.

In my company...

Safety is not integrated within  
organizational policies/procedures.

Safety is not valued or enforced when  
management, OSHA, or safety  
professionals are not present.

Safety is only integrated to the point  
of meeting minimum OSHA  
requirements.

Safety language is formally  
integrated into most policies and  
procedures.

Safety is formally and informally  
integrated into all policies and  
procedures.

Not Applicable

Cancel

← Back

Next →





Safety Climate —  
Safety Management  
Information System

← Back

100%

Next →

## You have finished taking the S-CAT!

Thank you again for your valuable feedback. We will use the findings to strengthen jobsite safety climate and improve safety outcomes.

 Print Your Responses

Close



## Arlington Homes S-CAT Results

Congratulations! You've successfully conducted a safety climate assessment. Now consider [scheduling a reminder](#) to conduct a follow-up S-CAT to measure improvement.

### Active Results

[View Archives](#)

Groups Completing the S-CAT	Start date	Group Total	Responses	Actions
<input checked="" type="checkbox"/> Arlington Homes – Silver Spring – Field	Feb 20, 2022	10	8	Archive
<input checked="" type="checkbox"/> Arlington Homes – Silver Spring – Supervisors	Feb 20, 2022	5	4	Archive
<input checked="" type="checkbox"/> Arlington Homes – Home Office – Management	Feb 20, 2022	7	7	Archive

There are three reporting options:

**Individual Group** – Check the box next to one group name and click the Individual Report button.

[Individual Report \(1 Group\)](#)

**Comparison Groups** – Check up to four boxes next to the group name and click the Comparison Report button. Each group's scores will be shown separately for easy comparison.

[Comparison Report \(2-4 Groups\)](#)

**Combined Groups** – Check two or more boxes next to the group name and click the orange Combined Report button. Data from each group will be combined and shown as an overall score.

[Combined Report \(2 or More Groups\)](#)

# Arlington Homes Safety Climate Maturity Feedback Report

Print

Arlington Homes – Silver Spring – Field 8 participants

Arlington Homes – Silver Spring – Supervisors 4 participants

Arlington Homes – Home Office – Management 7 participants

## Safety Climate Maturity Scores - Overall and Across Leading Indicators

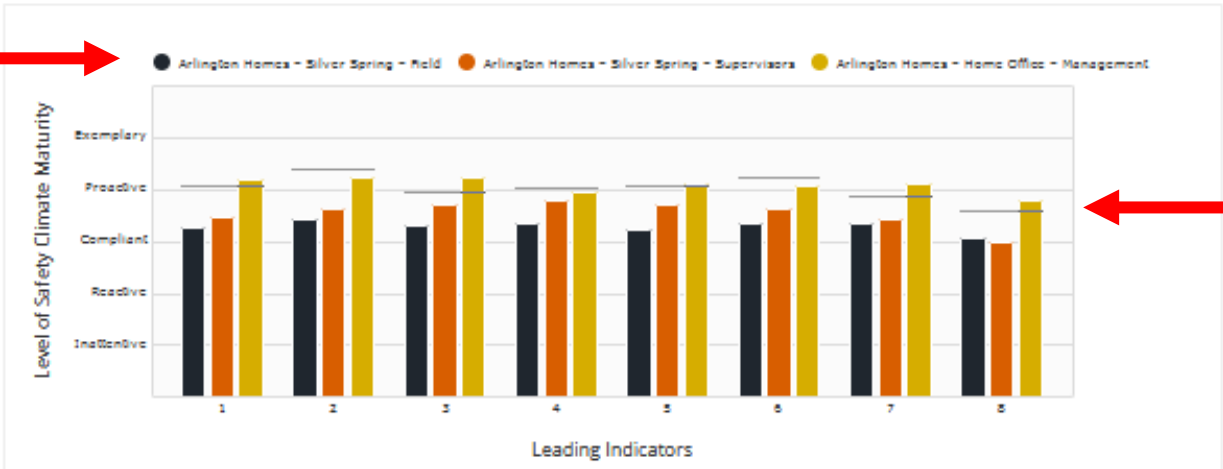
The numbers 1-8 in the chart and table below pertain to the eight Safety Climate leading indicators:

1. Demonstrating Management Commitment
2. Aligning and Integrating Safety as a Value
3. Ensuring Accountability at All Levels
4. Improving Supervisory Leadership
5. Empowering and Involving Employees
6. Improving Communication
7. Training at All Levels
8. Encouraging Owner/Client Involvement

The bars in the first chart and the table below it show your company's overall average safety climate maturity scores from Inattentive (1) to Exemplary (5).

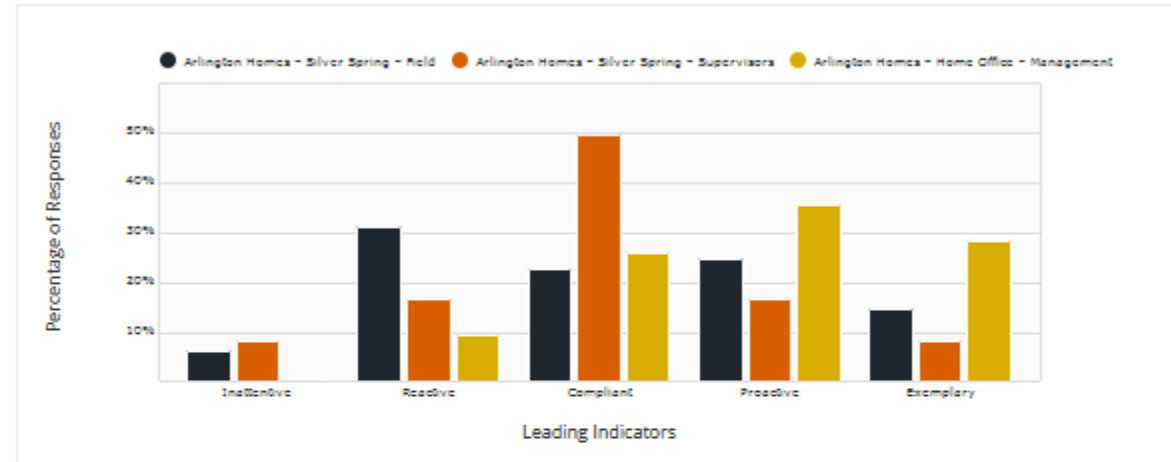
The small horizontal gray lines indicate average scores of other respondents from other construction companies who have taken the S-CAT in the past (N= 8,582).

Below that you'll see charts and tables for each of the 8 indicators. The charts show the percent of respondents answering for each level of maturity. The tables show how often each response was chosen (frequency) and the average of those responses for each indicator activity.



The 8 Leading Indicators	○	●	●	Benchmark Avg.
1. Demonstrating Management Commitment	3.3	3.5	4.2	4.1
2. Aligning and Integrating Safety as a Value	3.5	3.7	4.3	4.4
3. Ensuring Accountability at All Levels	3.3	3.8	4.3	3.9
4. Improving Supervisory Leadership	3.4	3.8	4.0	4.0
5. Empowering and Involving Employees	3.2	3.8	4.1	4.1
6. Improving Communication	3.4	3.7	4.1	4.2
7. Training at All Levels	3.4	3.5	4.2	3.9
8. Encouraging Owner/Client Involvement	3.1	3.0	3.8	3.6
Overall Average Score	3.3	3.6	4.1	4.0

## 8. Encouraging Owner/Client Involvement



Safety Climate Maturity Levels - Percent Totals			
	○	●	●
Inattentive	6.2%	8.3%	0.0%
Reactive	31.2%	16.7%	9.5%
Compliant	22.9%	50.0%	26.2%
Proactive	25.0%	16.7%	35.7%
Exemplary	14.6%	8.3%	28.6%

## Indicator Specific Activities - Response Frequencies and Average Scores

1. Being visible on the jobsite.			
Inattentive	1	0	0
Reactive	1	1	0
Compliant	2	1	2
Proactive	4	2	4
Exemplary	0	0	1
Average Score	3.1	3.2	3.9
2. Holding contractors accountable for safety.			
Inattentive	0	0	0
Reactive	5	0	2
Compliant	1	3	1
Proactive	1	0	2
Exemplary	1	1	2
Average Score	2.8	3.5	3.6

Now that you know your company's current level of safety climate maturity, go to the [SC-SMIS Resource Repository](#) and find ready-to-use safety management resources to continue on your safety climate improvement journey.





## Safety Management Resources

The SC-SMIS repository is filled with safety management resources that are currently being used by safety professionals at construction companies to strengthen their jobsite safety climate. Click on the indicator buttons (one at a time) to get a list of resources to preview and download/save. Once you decide which one(s) to use, click on the Develop Action Plan for those resources to start putting it/them into action. [You can also Download a blank Action Plan Template.](#)

Management Commitment

Align & Integrate

Accountability

Leadership

Empower/Involve Employees

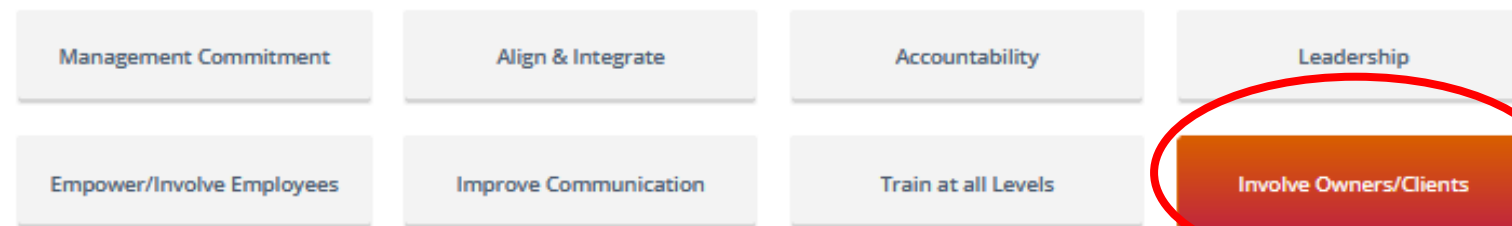
Improve Communication

Train at all Levels

Involve Owners/Clients

# Safety Management Resources

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## Involve Owners/Clients

Resource	Type	Level	Actions
Contractor Prequalification Policy With Application	Template	High	Download/Save Resource -  Develop an Action Plan
Management Commitment to a Strong Safety Culture	Policy	Basic	English Version Spanish Version -  Develop an Action Plan
Management Site Safety Inspection	Procedure	Moderate	Download/Save Resource -  Develop an Action Plan
Owner CEO Toolbox Talk - Safety Responsibility	Template	Basic	Download/Save Resource -  Develop an Action Plan
Owner CEO Toolbox Talk - Stop Work Obligation	Template	Moderate	Download/Save Resource -  Develop an Action Plan
Owner Contractor Sub-contractor Health and Safety Agreement	Template	Basic	Download/Save Resource -  Develop an Action Plan
Owner Controlled Insurance Program Overview	Template	Moderate	Download/Save Resource -  Develop an Action Plan



## Develop a Plan to Put the Resources into Action

Indicator: Involve Owners/Clients

Resource: Contractor Prequalification Policy With Application

Target Group

Client

What do you want to accomplish by using this resource? (Goal[s])

Ask her to use this procedure when hiring contractors

What action steps will be taken to accomplish the goal?

Action Step 1

Tailor the doc for Arlington Homes

Lead Person

Linda

Start Date

03/01/2022



Action Step 2

Make a presentation at monthly meeting

Lead Person

Linda

Start Date

03/14/2022



+ Add Another Action Step

What information will be collected to know if the goal was accomplished?

For example - Did the desired change happen (Y/N), How often did it happen? (frequency or time-duration), How was the uptake? (# of participants), Are employees pleased with the change? (pre- and post- satisfaction surveys)

Notes

Optional

Once saved, you can open, access, and edit/update this plan on the CURRENT Action Plan page

Save/Create Plan


Cancel



# Action Plans

Current Action Plans

Completed Action Plans

Indicator(s)	Resource(s) / Plan(s)	Action Plan(s) Status	Action(s)
Involve Owners/Clients	<a href="#">Contractor Prequalification Policy With Application</a>	Pending	 <a href="#">View/Edit Plan</a>



# Current Action Plan

[← Return to List of Plans](#)[🖨️ Print](#)[✎ Update Plan](#)[🗑️ Delete Plan](#)

Indicator: **Involve Owners/Clients**

Resource: **Contractor Prequalification Policy With Application**

Your plan has been successfully updated.

## Target Group

Client

## What do you want to accomplish by using this resource? (Goal[s])

Ask her to use this procedure when hiring contractors

## What action steps will be taken to accomplish the goal?

### Action Step 1

Tailor the doc for Arlington Homes

### Lead Person

Linda

### Start Date

03/01/2022

### Status \*

In Progress

### Action Step 2

Make a presentation at monthly meeting

### Lead Person

Linda

### Start Date

03/14/2022

### Status \*

Pending

## What information will be collected to know if the goal was accomplished?

As project gets started, follow-up with client to see if the procedure was used

## Notes



## Action Plans

Current Action Plans

Completed Action Plans

Congratulations! You've successfully use the SC-SMIS to strengthen your company's job site safety climate. Now consider [scheduling reminders](#) to conduct a follow-up S-CAT or to begin using a new resource for continuous safety climate improvement



Indicator(s)	Resource(s) / Plan(s)	Action Plan(s) Status
Involve Owners/Clients	<a href="#">Contractor Prequalification Policy With Application</a>	Completed



## Action Plans

Current Action Plans

Congratulations! You've successfully used  
[reminders](#) to conduct a follow-up S-CAT

Indicator(s)

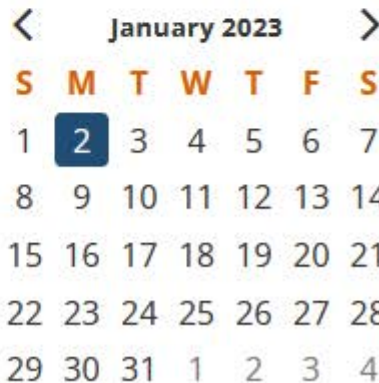
Involve Owners/Clients

### Schedule a Reminder ×

Select a date 9-12 months from today to conduct a follow-up assessment.

Remind me on date

01/02/2023



Schedule Reminder

Cancel


Completed Action Plans

estimate. Now consider [scheduling](#)  
ate improvement

Action Plan(s) Status

Completed

# Guest Access




Safety Climate —  
Safety Management  
Information System

[Log In](#) [Create an Account](#) [Enter as Guest](#) [FAQ](#)


## Welcome to the Safety Climate - Safety Management Information System (SC-SMIS)

### The Safety Climate Assessment Tool (S-CAT)

[Learn More About the S-CAT →](#)




Schedule S-CAT Assessment




S-CAT Results & Reports

### Small Contractor Safety Climate Assessment Tool (S-CAT<sup>SC</sup>)


[Learn More About the S-CAT<sup>SC</sup> →](#)




Schedule S-CAT<sup>SC</sup> Assessment



S-CAT<sup>SC</sup> Results & Reports



Safety Management Resources



Current and Completed Action Plans





## Safety Climate Assessment Options

### About the S-CAT



Companies that are further along on their safety climate improvement journey can measure their safety climate maturity across eight leading indicators of jobsite safety climate using the S-CAT.

**Click to Preview & Download S-CAT:**

[English](#) | [Spanish](#)

### About the S-CAT<sup>SC</sup>



Companies of any size might want to start their safety climate improvement journey by having management/supervisors conduct a simple needs assessment of the company's jobsite safety climate across eight leading indicators using the S-CAT<sup>SC</sup>.

**Click to Preview & Download S-CAT<sup>SC</sup>:**

[English](#) | [Spanish](#)



**If you want to conduct an S-CAT or S-CAT<sup>SC</sup> assessment, you'll need to create an account.**

[Create an Account](#)



**Find and download safety management resources**

[Explore Resources](#)



## Safety Management Resources

The SC-SMIS repository is filled with safety management resources that are currently being used by safety professionals at construction companies to strengthen their jobsite safety climate. Click on the indicator buttons (one at a time) to get a list of resources to preview and download/save. Once you decide which one(s) to use, click on the Develop Action Plan for those resources to start putting it/them into action. [You can also Download a blank Action Plan Template.](#) ←

Management Commitment

Align & Integrate

Accountability

Leadership

Empower/Involve Employees

Improve Communication

Train at all Levels

Involve Owners/Clients



**If you want to create and save Action Plans within the SC-SMIS, you'll need to create an account.**

**Create an Account**

# What folks are saying

“Setting up the groups to take the S-CAT and then sending out group specific emails was straight forward. After our employees finished taking the anonymous survey, I ran the group reports and the results actually confirmed some of the areas we thought needed to be addressed – but now we had the information we needed to proceed. I showed the graphs and stats to our project managers and supervisors to help decide which areas to work on and then downloaded many of the excellent safety management resources in the repository to target them. What’s great about the resources is we didn’t have to start from scratch or reinvent the wheel and can just tailor them for our company. I plan to use the SC-SMIS on an on-going basis to keep us on track” *(Small sub-specialty contractor, Connecticut)*

# What folks are saying

“For what a contractor would expect to pay for a comprehensive safety climate evaluation and mitigation plan, the Safety Climate-Safety Management Information System is a valuable tool available for all. As a mid-size general contractor, we have been able to supplement our own systems and approaches with industry tested, scientifically backed resources, and enhance our organization’s overall safety program.”

*(Medium sized general contractor, Washington)*



[www.scsmis.org](http://www.scsmis.org)

Questions?  
Contact: Lgoldenhar@cpwr.com