

Relationship focused. Solutions driven. Project ready.

Contech Best Practices

MAPS Observation Program

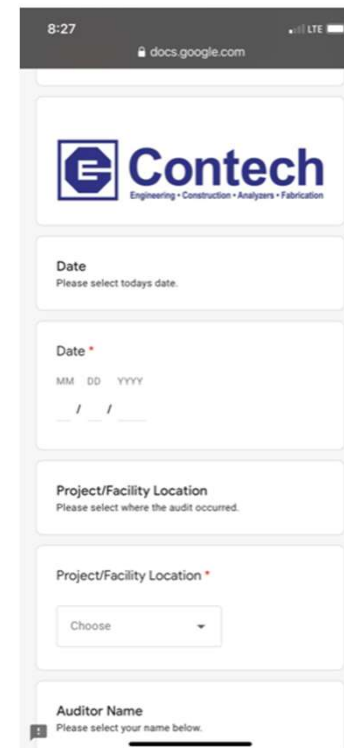


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MAPS Observation Program

- Mobile Observation Tool
- An electronic safety auditing system that allows auditors the ability to enter safety observations through any smart phone or computer. With all safety observations being entered through an electronic device, safety trends and data are calculated in “real-time” and can be viewed by everyone that participates in the system. This “real-time” format has allowed our organization the ability to respond more quickly to action items found minutes after the observation.
- Graphs and participation numbers are calculated in “real-time” as well. This allows for information to be distributed quicker and more effectively to crews and clients’ a like.



The screenshot shows a mobile application interface for the MAPS Observation Program. At the top, the status bar displays the time 8:27, the URL docs.google.com, and LTE signal strength. Below the status bar is the Contech logo and tagline. The form consists of several sections: a 'Date' field with the instruction 'Please select todays date.', a 'Date' field with a red asterisk and the format 'MM DD YYYY', a 'Project/Facility Location' field with the instruction 'Please select where the audit occurred.', another 'Project/Facility Location' field with a red asterisk and a dropdown menu showing 'Choose', and an 'Auditor Name' field with the instruction 'Please select your name below.' and a horizontal line for selection.

DATA Reports

Filtered Reports

- By EE
- By Location
- Dates and Time
- By Specific Audit Type
- Graphed in Various Charts

Report Use

- Sent out Monthly
- Presented at Quarterly Supervisors Mtgs
- Safety Mtg Topics
- Good Catch Recognition
- Fresh Eye Audits
- Focused Audits on Trends
- Expectations and Accountability
- Safety Blitz
- RCI`S

Deficiencies

Deficiency Tracking

- All Corrective Actions Must be Completed and Documented Before an Audit can be Closed in the Program

Examples Corrected Items

- Longino - Cracked Guage on Fire Extinguisher
Extinguisher Taken out of Service 01-22-24
- Salazar - Missing Bull Plug On Drainpipe
Notified Operations and New Plug Was Installed 01-24-24
- Vestal - Trailer Jack Bent on Flatbed Trailer, Trailer was tagged
out of service on 01-29-24
- Espinosa - EE Observed With Lose Harness &
D Ring Was too Low - Re Adjusted Harness and Coached EE On
Proper Fit. 01-29-24

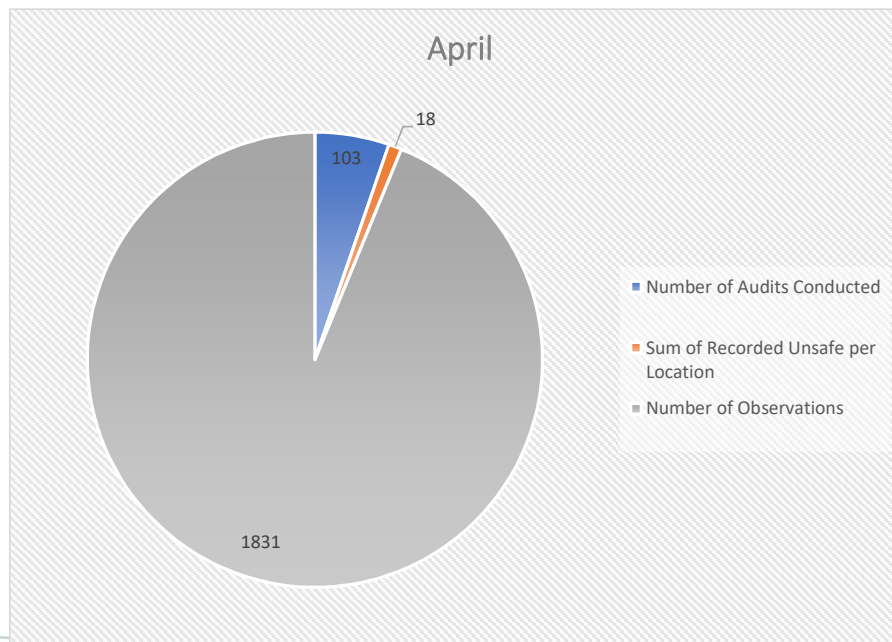
Example

Date	Project/Facility	Auditor Name	Superintendent/Pro	Description	Corrective Actions	Responsible Person
3/7/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employee working on ladder that were not secured.	Coached employee and surrounding crew. Item corrected.	COX; JEREMY MICHAEL
3/8/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employees drilling over head inside barricades area. Suggested using tarp to capture any falling debris.	Observation discussed in morning meeting. Employees stopped and placed section of frc blanket in the bottom of JLG. Issue discussed in morning meeting. 3-9-22	COX; JEREMY MICHAEL
3/9/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Improper material storage. Tray and conduit left sticking out from under fab table.	Table was repositioned and material was placed completely under table. Hazard eliminated. Topic discussed in morning	COX; JEREMY MICHAEL
3/11/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Head knockers not identified under MCC. Tray creating potential for head knockers	Hazard identified on barricade tags caution taped used to raise awareness of over head obstructions	COX; JEREMY MICHAEL
3/16/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employee escalated tie question prior to accessing ladder below 6ft	N/A	COX; JEREMY MICHAEL
3/16/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employee had all tools tethered while in use	N/A	DAMIAN JR.; SIDNEY PEDRO
3/16/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employee did not maintain three points of contact while descending stairs	Coached employee on importance of maintaining hold of hand rail in the event of a slip/fall.	COX; JEREMY MICHAEL
3/23/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employee handling material with out gloves	Stopped and corrected. Coached employee	COX; JEREMY MICHAEL
3/23/2022	Dow- Tucson	BILEAU; MARK	VALENZUELA; PETE E.			VALENZUELA; PETE E.
3/24/2022	Dow- Tucson	COX; JEREMY MICHAEL	VALENZUELA; PETE E.			COX; JEREMY MICHAEL
3/25/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employees helping stage material in order for all coworkers to be able to	N/A	COX; JEREMY MICHAEL
3/24/2022	Dow- Tucson	CONTRERAS; RAUL	VALENZUELA; PETE	Employee tied off 100%	N/a	COX; JEREMY MICHAEL
3/26/2022	Dow- Tucson	COX; JEREMY MICHAEL	VALENZUELA; PETE E.			COX; JEREMY MICHAEL
3/28/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employee stopped due to sky track while in JLG. Regrouped and completed	N/A	DAMIAN JR.; SIDNEY PEDRO
3/28/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Bandsaw left plugged in while not in use.	Un plugged and cord rolled back. Issue to be discussed in morning tool box meeting.	COX; JEREMY MICHAEL
3/29/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employee was aware of assembly points and wind direction	N/A	COX; JEREMY MICHAEL
3/31/2020	Dow- Tucson	COX; JEREMY MICHAEL	VALENZUELA; PETE E.			COX; JEREMY MICHAEL
3/30/2022	Dow- Tucson	CONTRERAS; RAUL	VALENZUELA; PETE	Employee not wearing gloves while handling material	Remind him to put gloves on	COX; JEREMY MICHAEL
3/31/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employee instructed coworker to make sure correct PPE was used prior to task. Use face shield and mono goggles for drilling	NA	COX; JEREMY MICHAEL
4/2/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Employee maintained 3 points of contact while ascending stair way		COX; JEREMY MICHAEL
4/4/2022	Dow- Tucson	SALAZAR; JOEL DANIEL	VALENZUELA; PETE	Working above 6ft tied off over head . Ladder secured and help by coworker	Positive feedback given to employees	VALENZUELA; PETE E.

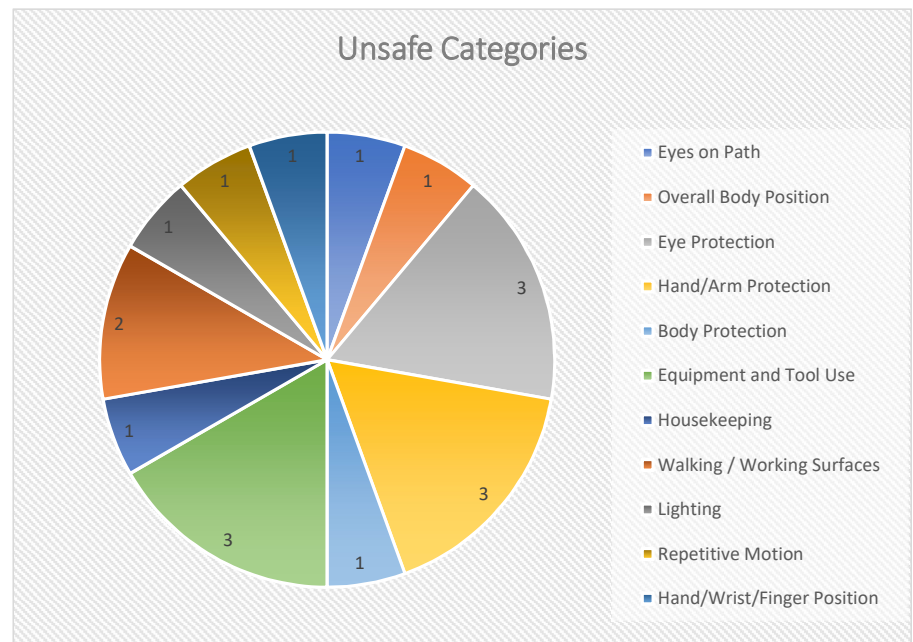
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Example Pie Charts

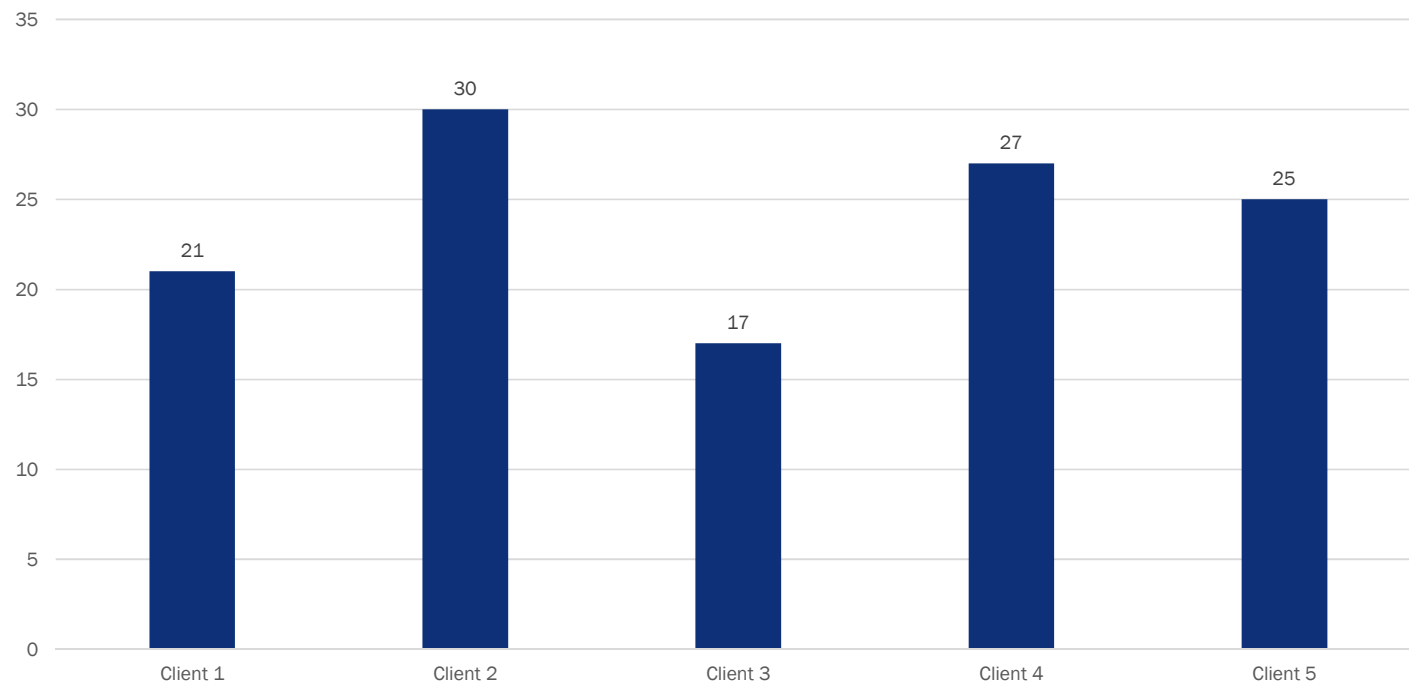
Number of Audits / Observations



Categories

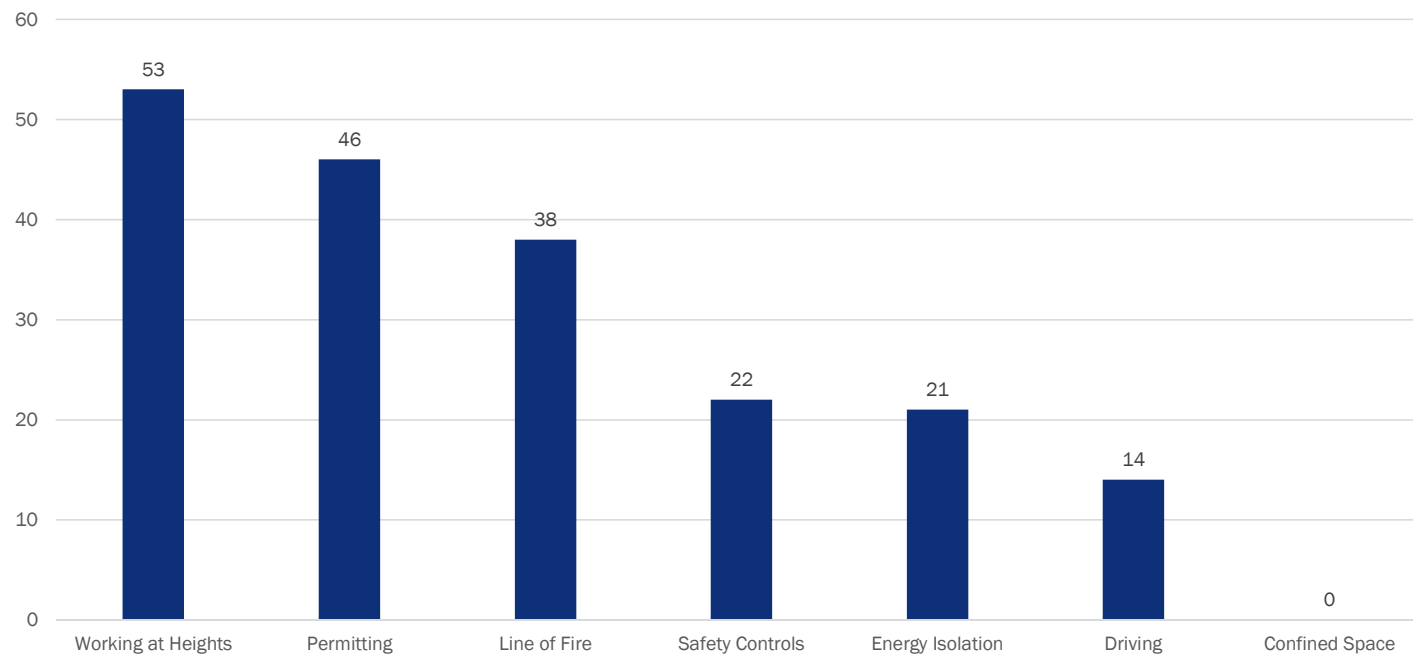


Example Number of Observations by Facility



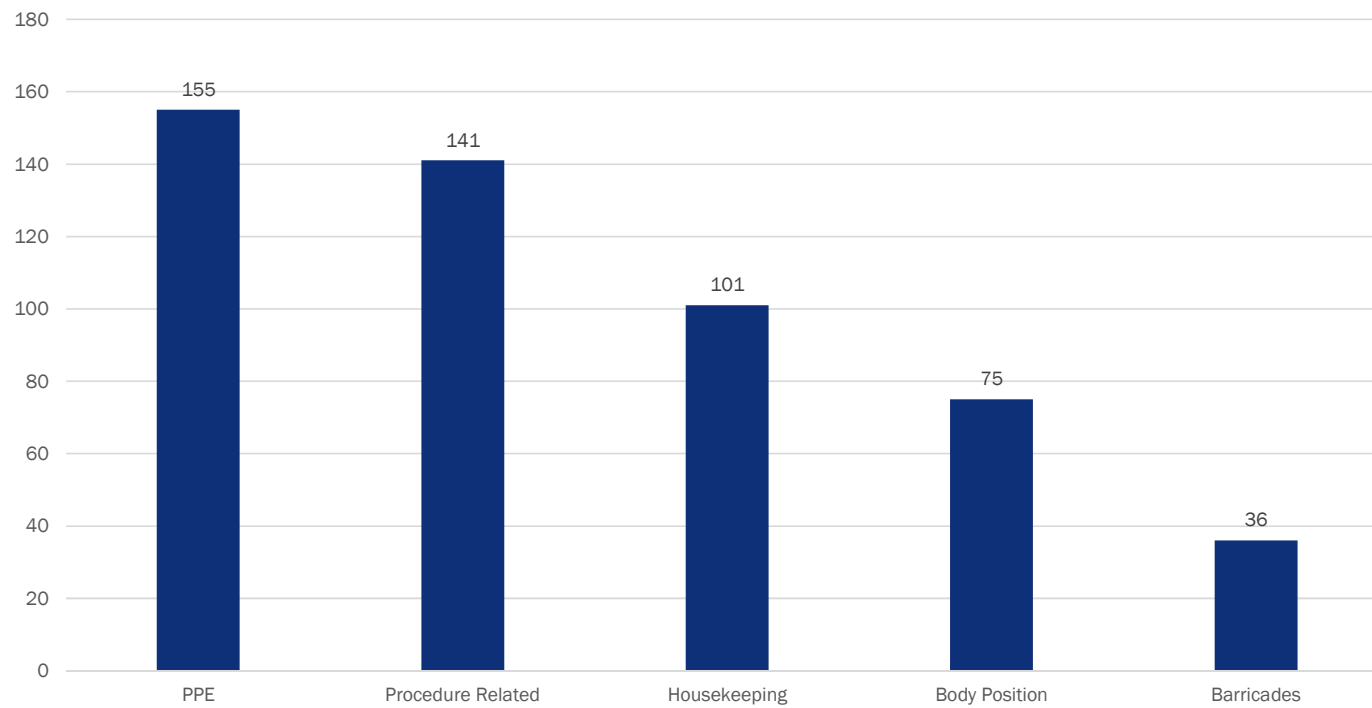
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Example Number of Observations by LSR



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Example Total Number of Observations by Category- 5



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MAPS Goal

Real Time Information

- Data Mine Trends
- Proactively Address Issues
- Transparency With Clients
- Address Behavior Issues and Compliance Issues
- Track to Completion Process
- Pro Active RCI`S
- Breakdown The Pyramid

COLAPSE THE PYRAMID



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Q&A



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