



John Mathew

**Site Safe PDA Auditing
and Benchmarking**





Estimating Ambush

“They couldn’t hit us at this distance...”

The final estimate and last words of General John Sedgwick before he was shot overlooking his parapet in 1864 during America’s Civil War.





Why Benchmarking?

- Enables a fact-based philosophy of decision-making and continuous improvement
- Provides a framework for establishing KPI's through comprehensive measures
- Longitudinal analysis provides a perspective on performance over time





PDA Audit & Benchmarking Service



Audit Reports

Benchmark Reports





Audit Report



 		AUDIT REPORT		
		Audit Type: Scheduled		
Audit Reference:	102197	Auditor:	John Mathew	Audit Date: 8-Apr-2008
Company:	Donaldson Construction	Project:	Test Site	Site Manager:
Question	Available Points	Actual Points	Contractors (Main / Sub)	Location / Comments
MAIN CONTRACTOR SAFETY PLAN				
1. Is there evidence of Site Specific Safety activity requirements in any tender document?	2	2		
2. Is there a Site Safety Management Plan in place?	2	2		
3. Is there evidence of a hazard identification and control procedure including at least one of these activities: hazard register, up to date hazard ID board, task analysis?	2	0	Main Contractor No Hazard Id on site.	Office
4. Is there a record of Passport, Workplace Safety or Gold Card numbers for all Workers on Site?	2	2		
5. Is there evidence that at least one "Site Subcontractor Safety Meeting" was held in the last 30 days?	2	2		
6. Is there evidence that a Toolbox Talk was held in the last 30 days?	2	2		
7. Is there evidence that at least one Safety Inspection was conducted in the last 30 days?	2	0	Main Contractor No evidence of inspection	Office
8. Is there a Training/Competency Register for all Main Contractor Employees on site?	2	2		
9. Is an Accident Register being maintained?	2	2		
10. Is there evidence of an Accident/Incident Investigation?	2	2		
11. Is Task Analysis being carried out for "Significantly Hazardous Physical Work"?		N/A		
12. Is there a Safety Activity Wall-Chart displayed on site?	2	2		
13. Has anyone from the Management Team signed the Wall-Chart in the last 30 days? How many signatures in the last 30 days?: 3	2	2		
14. For current Notifiable Work is there evidence that DoL is notified?		N/A		
15. For current Notifiable Work do all Supervisors have a current Gold Card (or appropriate equivalent)?	2	2		
16. Is there an operating Permit to Work system in place?	2	2		
17. Is there a site emergency plan?	2	2		



Safety Improvement Report



Safety Improvement Report

Audit Ref: 102197

Site: Test Site

Audit Date: 04/08/2008

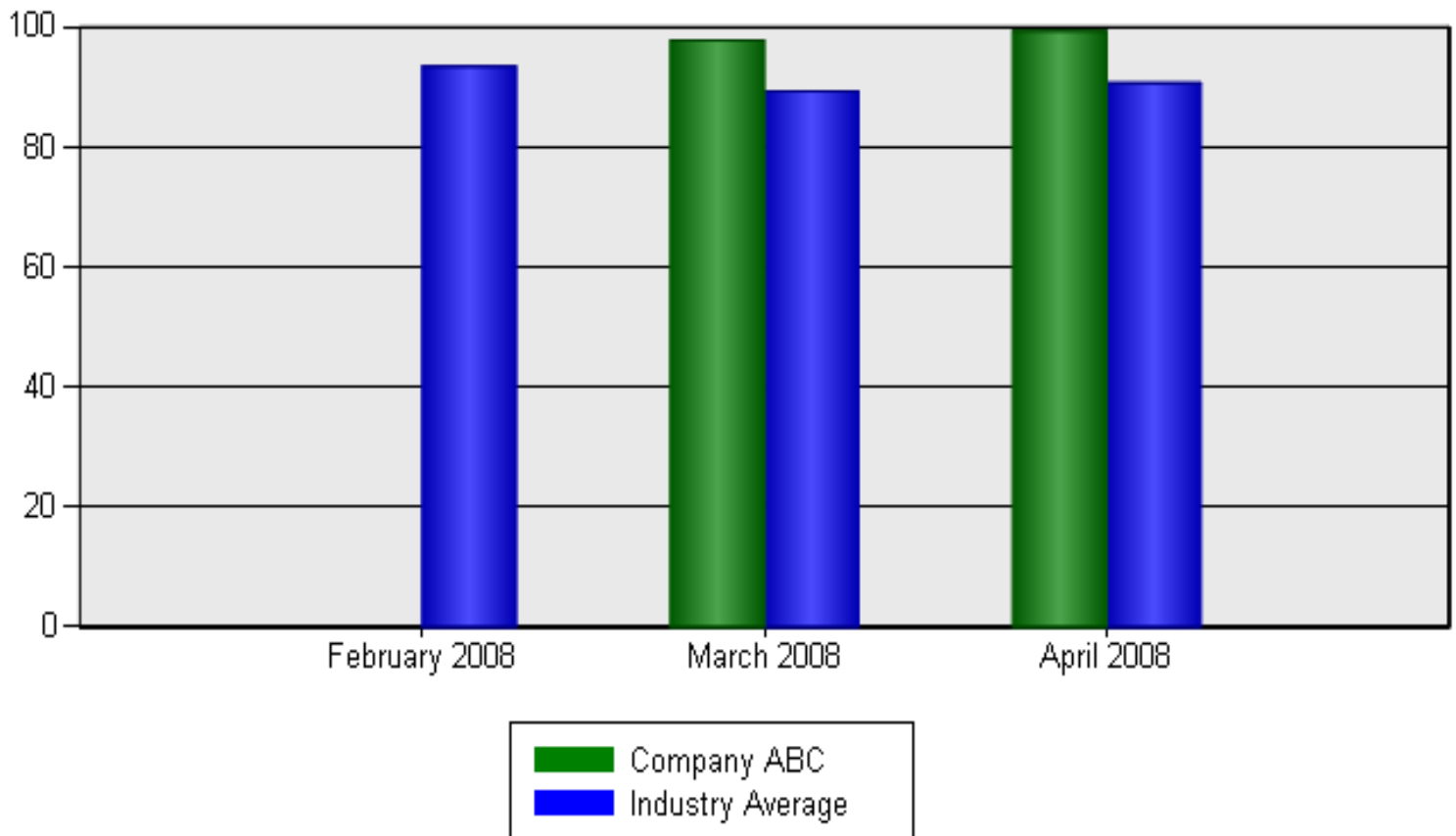
Auditor: John Mathew

CARID	Contractor	H&S Category	Questions	Unsafe Act / Condition	Safety Improvement Recommendation	Improvement Implemented	Date
2,273	ABC Construction	ASBESTOS	1. Is Asbestos Removal in accordance with DoL Guidelines?	Not compliant to DoL standard			
2,274	ABC Construction	SUBCONTRACTOR SAFETY PLANS	8. Is the name and contact number of the Safety Supervisor documented?	No details documented			
2,275	LTM Plumbers	SUBCONTRACTOR SAFETY PLANS	8. Is the name and contact number of the Safety Supervisor documented?	No details documented			
2,271	Main Contractor	MAIN CONTRACTOR SAFETY PLAN	3. Is there evidence of a hazard identification and control procedure including at least one of these activities: hazard register, up to date hazard ID board, task analysis?	No Hazard Id on site.			
2,272	Main Contractor	MAIN CONTRACTOR SAFETY PLAN	7. Is there evidence that at least one Safety Inspection was conducted in the last 30 days?	No evidence of inspection			
2,276	Main Contractor	SUBCONTRACTOR SAFETY PLANS	8. Is the name and contact number of the Safety Supervisor documented?	No details documented			
2,277	Xyz Construction	SUBCONTRACTOR SAFETY PLANS	8. Is the name and contact number of the Safety Supervisor documented?	No details documented			
2,278	Zee Airconditioning	SUBCONTRACTOR SAFETY PLANS	8. Is the name and contact number of the Safety Supervisor documented?	No details documented			



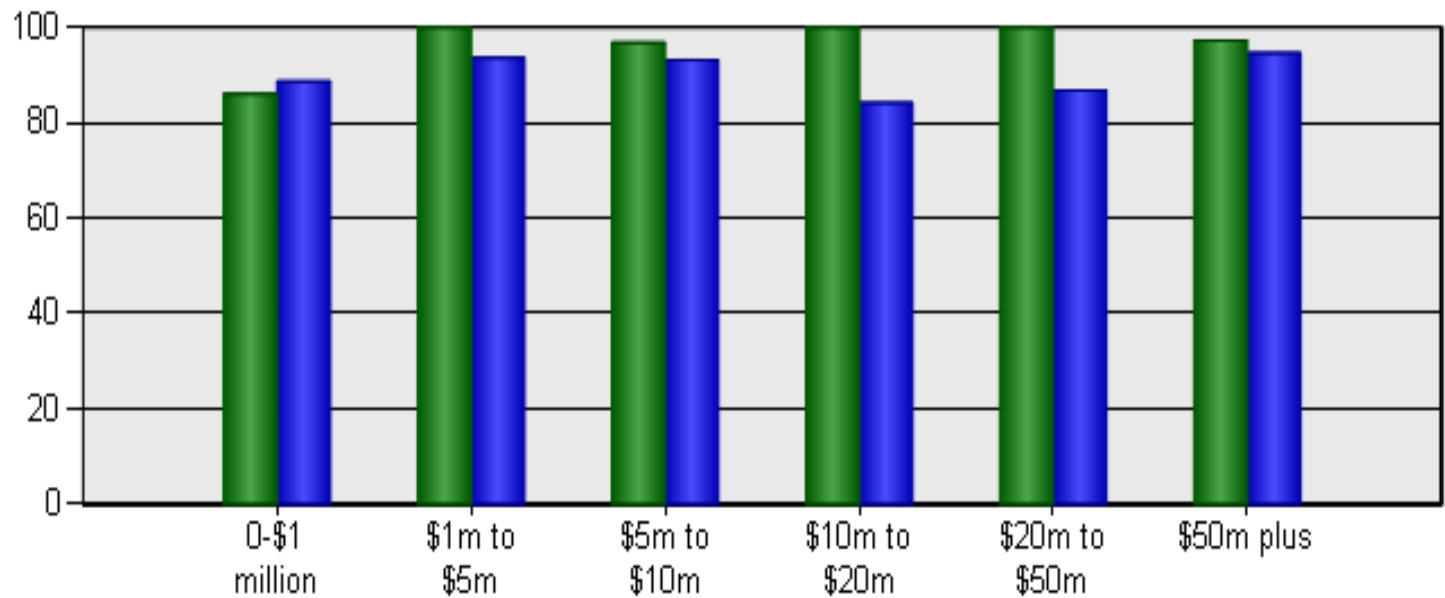


Company Summary Report





Benchmark by Project Value

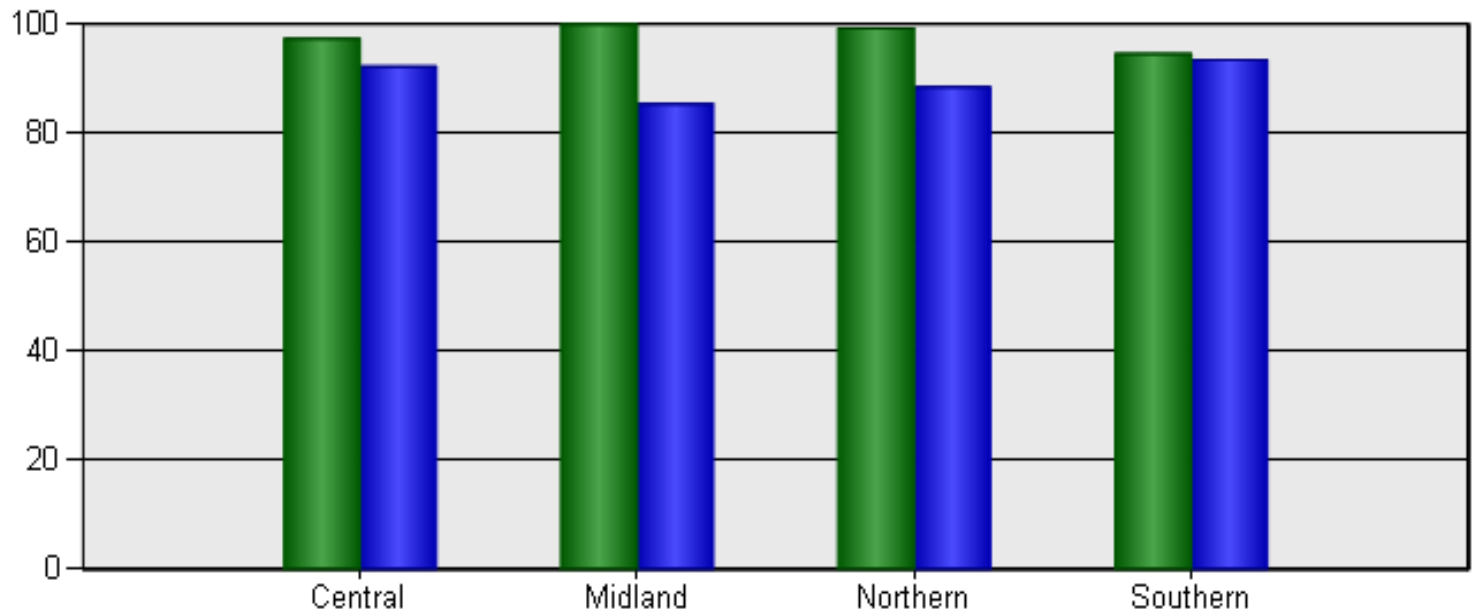


01/01/2008
to
08/05/2008

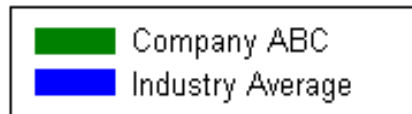




Benchmark by Region

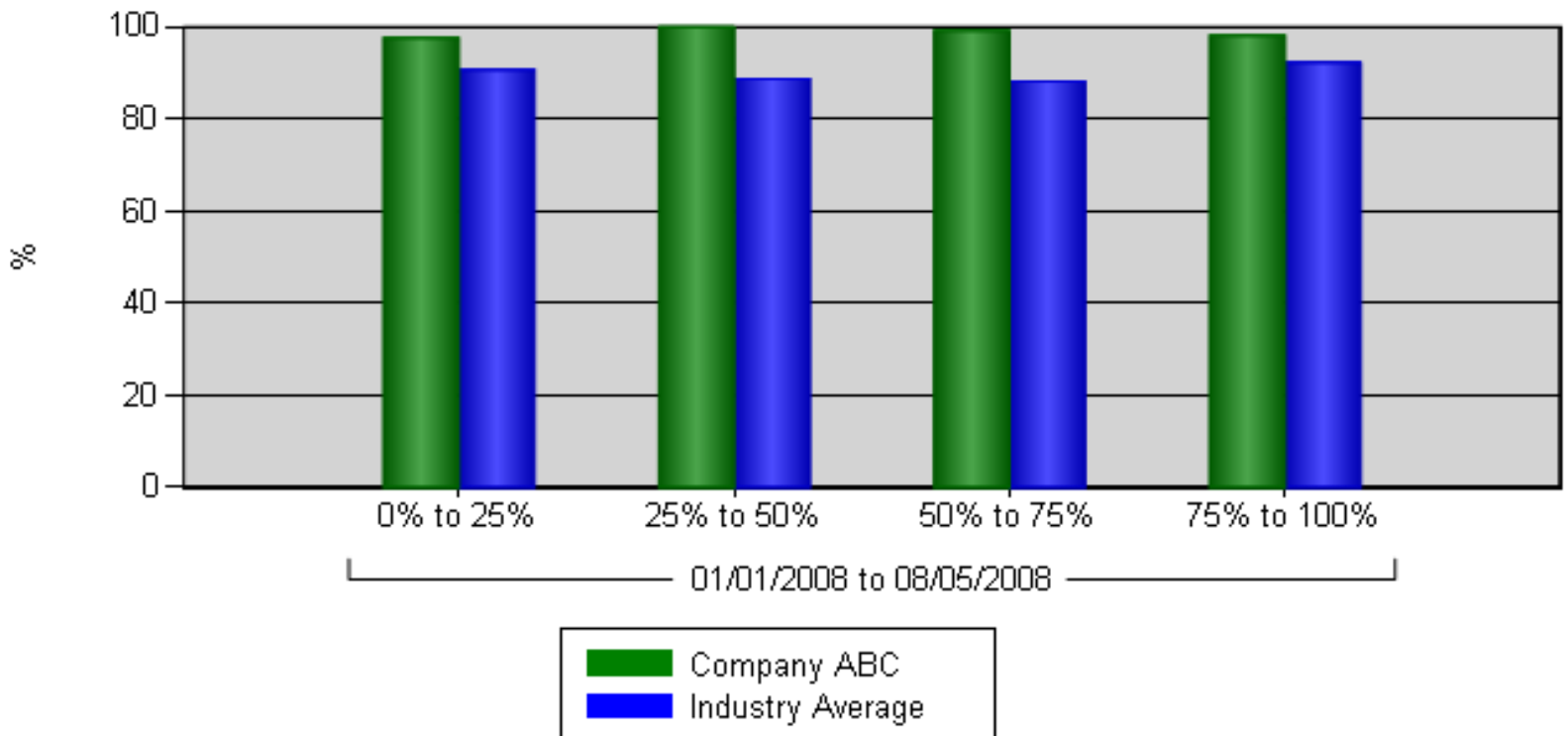


01/01/2008 to 08/05/2008



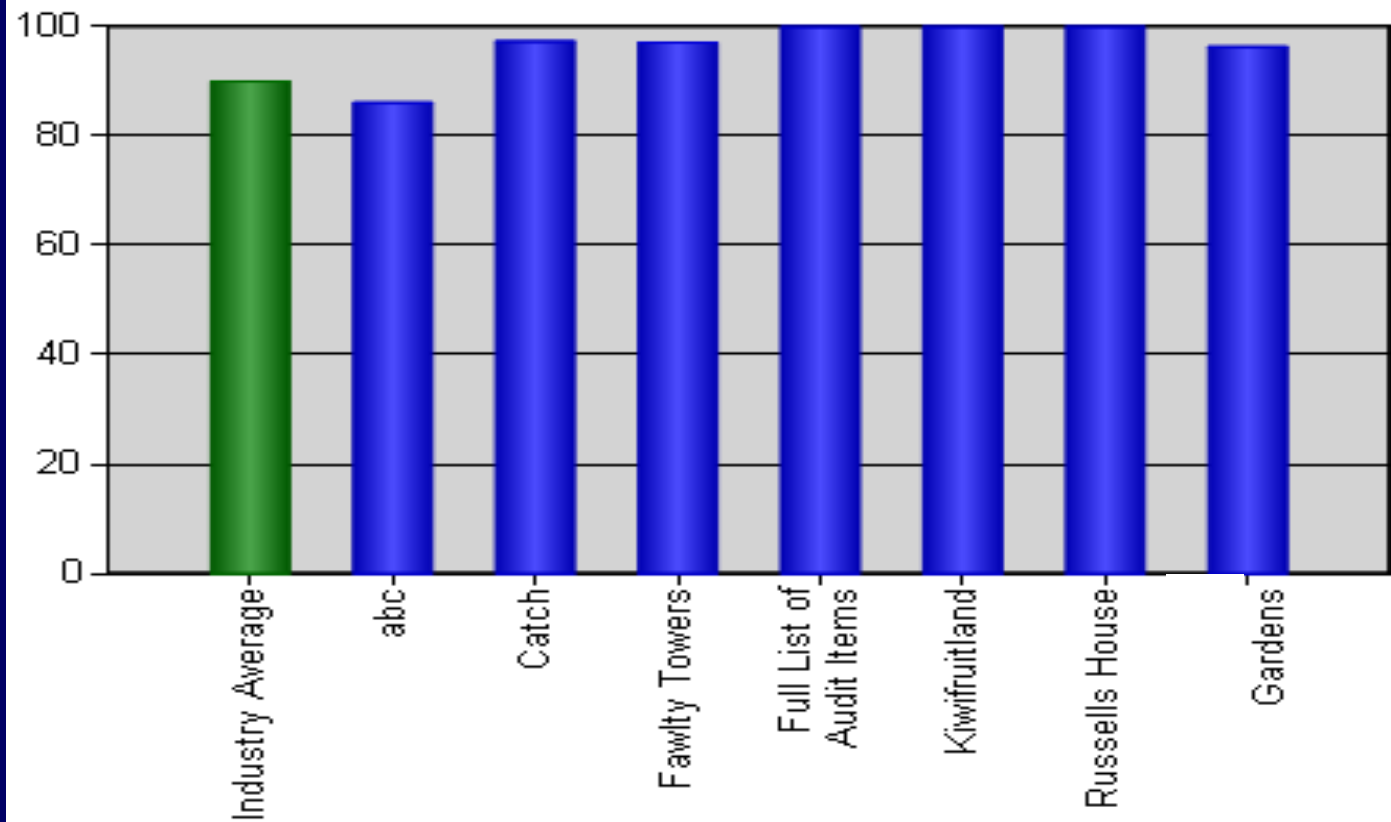


Benchmark by Stage of Completion



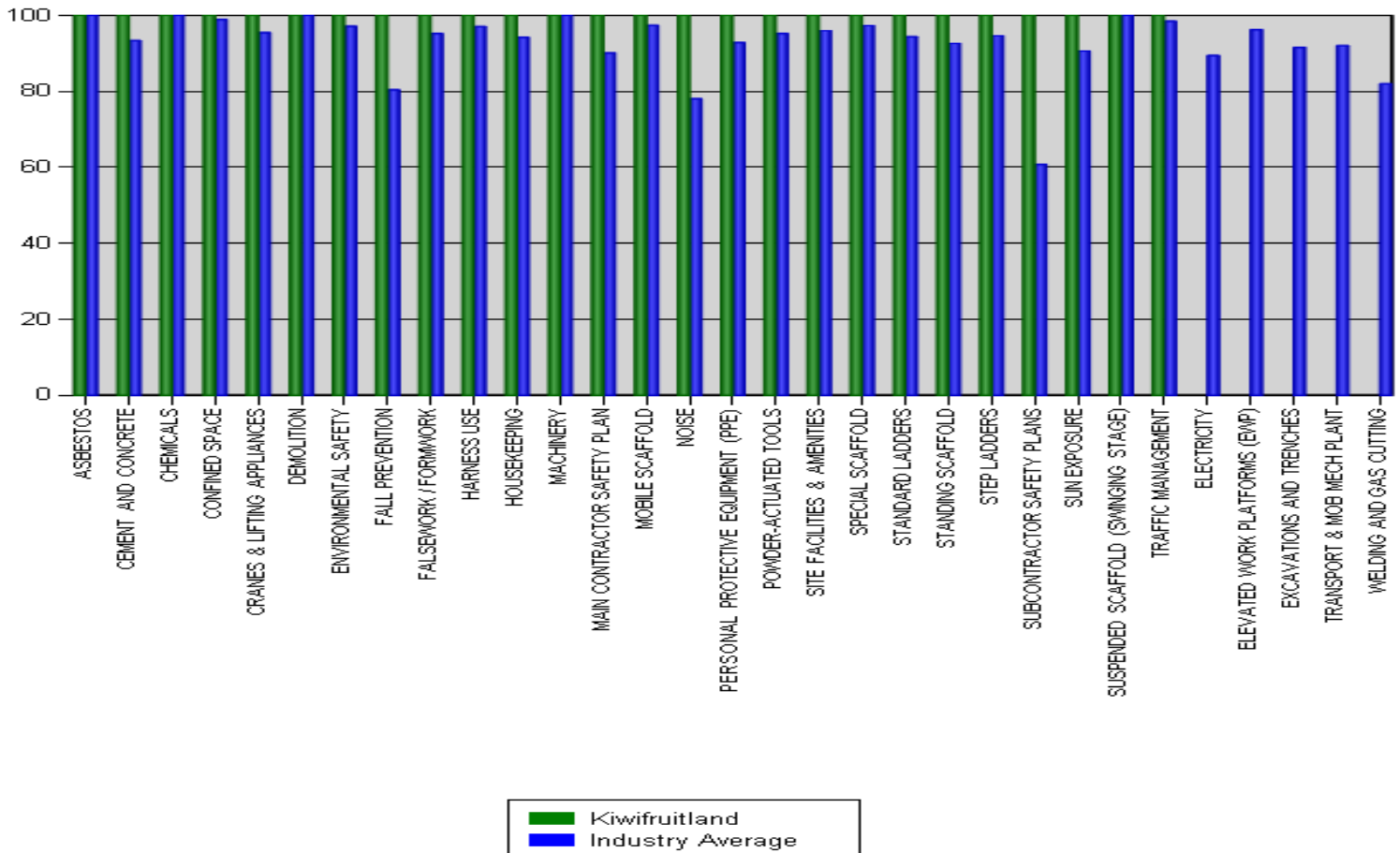


Benchmark Site by Site Performance





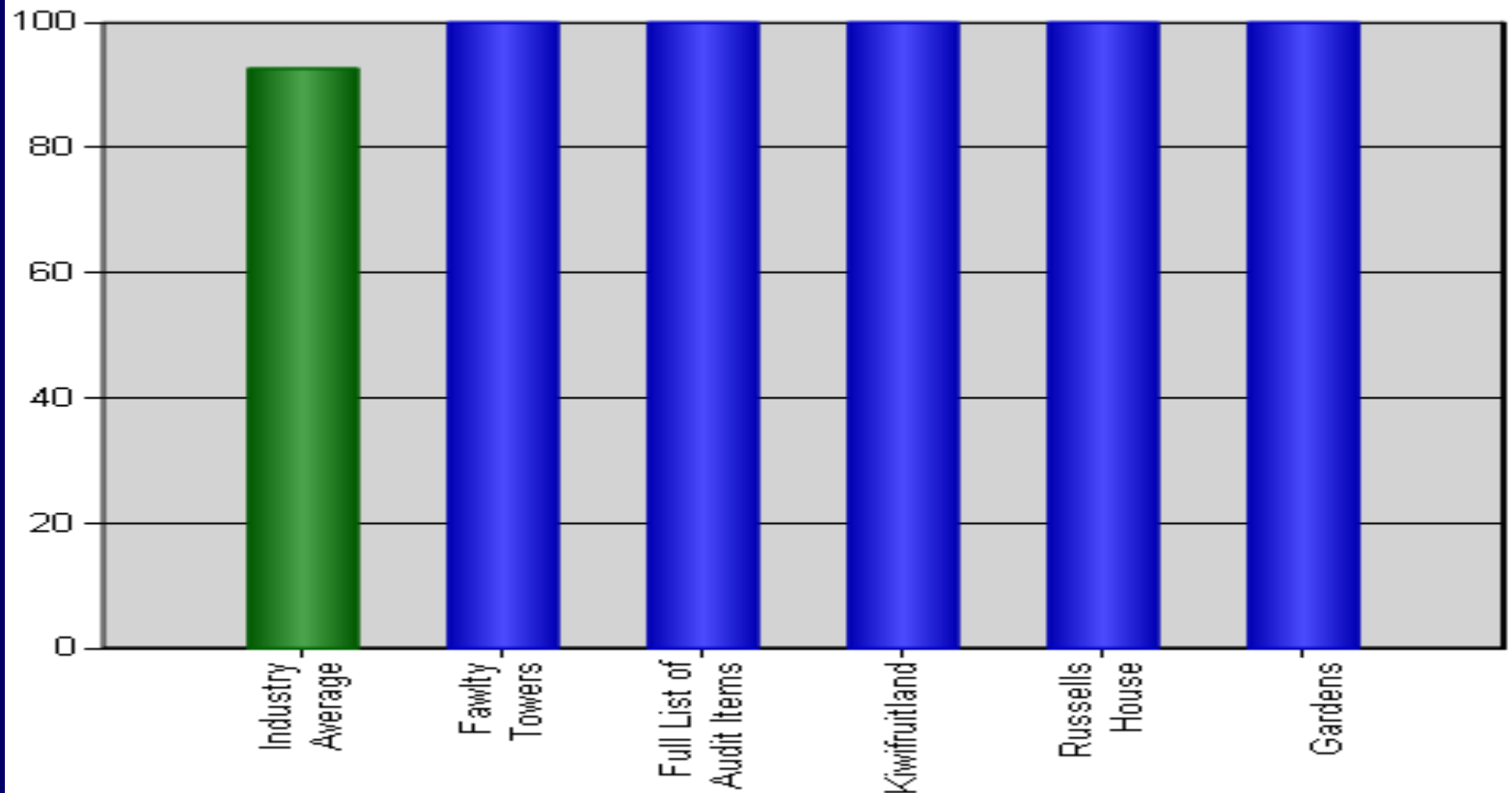
Benchmark Site Specific Activities





Benchmark Construction Activities

Scaffold Safety





Accessing Benchmarking Reports



http://csms.sitesafe.netresult.co.nz/pages/login.aspx?ReturnUrl=%2fDefault.aspx

File Edit View Favorites Tools Help

CSMS ~ Login Page

SITE SAFE

SITE SAFE AUDIT
Benchmark your performance

Login Name:

Password:

Login

Version: 3.0.25.3

Contact: For technical Support
(04) 495 9878
safetyaudit@sitesafe.org.nz

To register more subscribers:
(04) 495 9878
safetyaudit@sitesafe.org.nz

To request Safety Audits:
Your local Safety Advisor (go to website) or call Helen Collins on (04) 495 9878
safetyaudit@sitesafe.org.nz

To return to Site Safe's website:
www.sitesafe.org.nz

To access the Audit application you need to have a valid username and password. Please contact the system administrator shown above if you do not have a login to the system.

login.aspx?ReturnUrl=%2fDefault.aspx Trusted sites 100%





Accessing Benchmarking Reports



http://csms.sitesafe.netresult.co.nz/pages/Home.aspx

File Edit View Favorites Tools Help

CSMS ~ Home Page

Home **Benchmark Reports** Help Logout

SITE SAFE

SITE SAFE AUDIT
Benchmark your performance

Welcome
Bob Smith

Trusted sites 100%





Accessing Benchmarking Reports



http://csms.sitesafe.netresult.co.nz/pages/report_selection.aspx

File Edit View Favorites Tools Help

CSMS ~ Reports

Home Benchmark Reports Help Logout

Reports

Step 1 - Select a Report

1. Company Performance Summary
2. Site by Site Performance
3. Site Specific Performance Summary
4. Construction Activity Performance

Step 2 - Choose Filter Values for the Report

Date from * 01 Jan 2008

Date To * 13 May 2008

Branch Customer

Customer Amalgamated Builders Ltd

Project Value

Stage of Completion

Region

Step 3 - Create the Report

Output Report as HTML

Create Report

Trusted sites 100%



Provide a Pathway for Continuous Improvement

Charter Accreditation Performance Tiers

Tier One: Safety Systems

Tier Two: Safety Behaviours

Tier Three: Safety Leadership - 2009





Define Key Performance Indicators of Best Practice in NZ Construction



Tier One - Site Specific Safety Plan

1. Tender Documents
2. Safety Plans
3. Hazard ID & Control
4. Safety Training
5. Site Safety Meetings
6. Toolbox Talks
7. Safety Audits
8. Training Register
9. Accident Register
10. Subcontractor Monitoring





Define Key Performance Indicators of Best Practice in NZ Construction



Tier Two - Safety Behaviours

1. Facilities
2. Housekeeping
3. Personal Protective Equipment
4. Excavation & Trenches
5. Falsework/Formwork
6. Welding & Gas Cutting
7. Demolition
8. Sun Exposure
9. Noise
10. Confined Space
11. Cement & Concrete
12. Asbestos
13. Chemicals
14. Fall Prevention
15. Harness Use
16. Ladders
17. Scaffolds
18. Elevated Work Platforms
19. Equipment & Machinery & Tools
20. Crane & Lifting Appliances
21. Powder-Actuated Tools
22. Electrical
23. Environmental Issues
24. Traffic Management





Define Key Performance Indicators of Best Practice in NZ Construction

Tier Three - Safety Leadership

1. Organisational KPI's
2. Defined management responsibilities
3. Communicated responsibilities
4. Evidence of management participation
5. Performance feedback and recognition

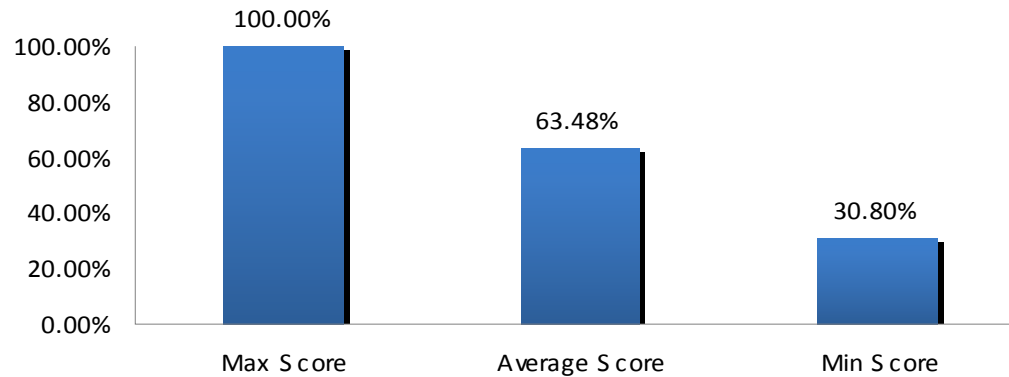




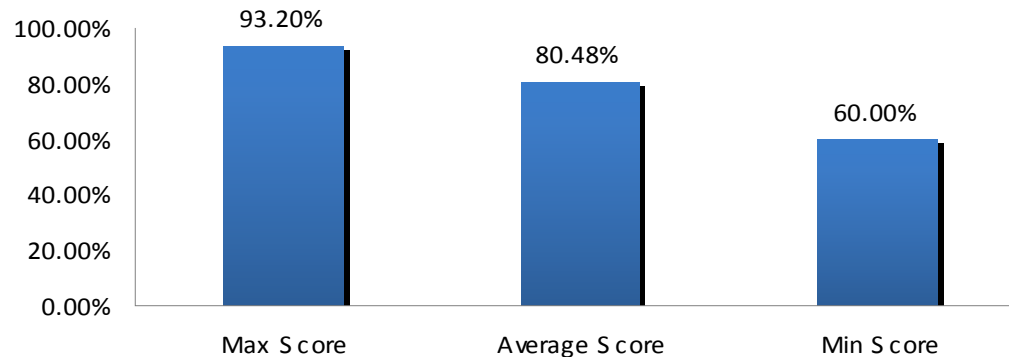
Recognise Companies Performing at a High Level



Tier 1 Performance Threshold - 65%



Tier 2 Performance Threshold - 80%





The Audit Process

- Initial Accreditation Audits
 - 1-3 active sites = 2 audits
 - 4 or more active sites = 4 audits
- Ongoing Accreditation Audits
 - Up to \$200 million = 4 audits
 - \$200 million - \$300 million = 6 audits
 - Over \$300 million = 8 audits
- NZIM Qualified Auditors

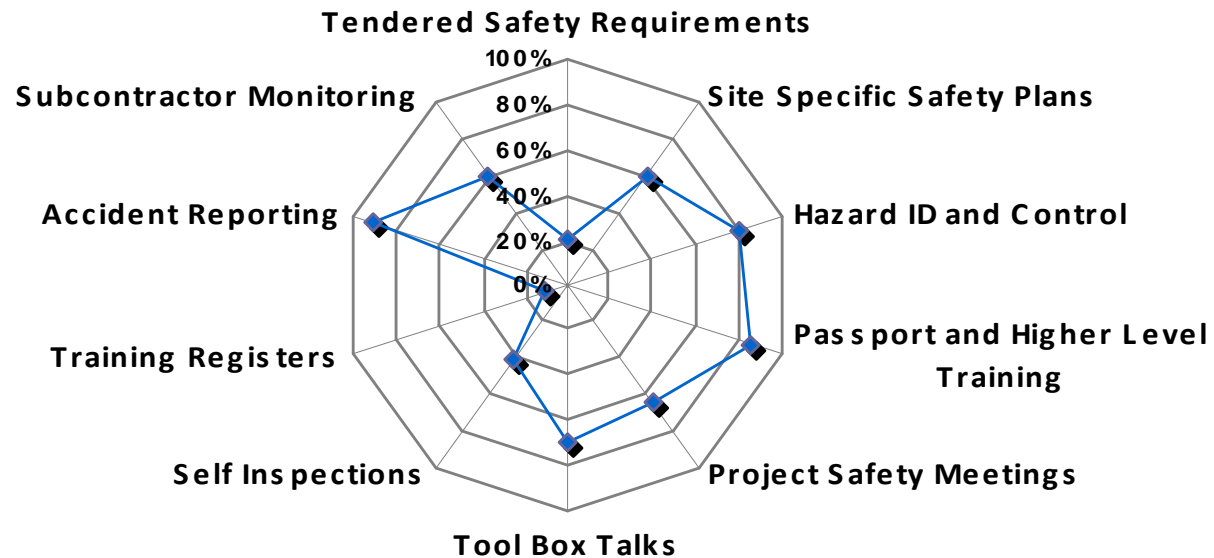




Construction Safety KPIs



Construction Safety KPIs





Client Application

- Legal responsibility
 - Take All Practicable Steps to ensure Contractors are not harmed
- Benefits of Safety - Best Value
 - Efficiency, quality, relationships, problems, delays, accidents
- Convenient method of pre-qualifying and selecting Contractors
 - Streamline the screening process

