

Safe digging lets make a difference event

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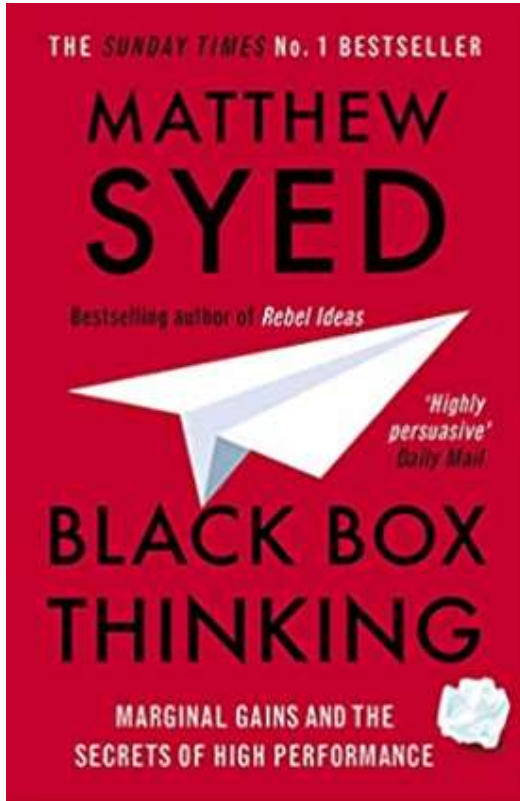
Introduction

When it goes wrong

1. Operative hit a Low Voltage main cable and was on fire
2. Operative hit a High Voltage cable encased in concrete and received 60% burns
3. Operative damaged the duct of a 275kv cable encased on concrete



Learning from incidents



1. Blame is entirely counterproductive
2. Failure, and our attitude to failure, is critical to learning and improvement
3. Feedback is at the very heart of improvement and growth
4. Cognitive dissonance becomes more problematic the more experienced and influential you are



Utility Strike
Avoidance
Group Charter
9 commitments

8) Provide utility
strike information in
the format
requested by USAG
as part of the annual
report into utility
damage



Systematic and data led approach



Utility Services
Avoidance
Roadmap



Cultural development
behavioural led focus



Critically evaluate
leading and lagging
indicators



Essential standards
document and
guidance



Client, PD to PC
handover process
review



Full alignment to the
industry best practice



EUSR Locate Utility
Services training



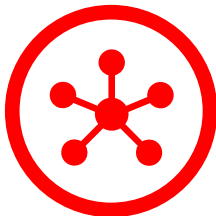
Competency
assurance



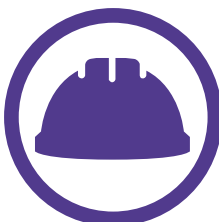
GPR gated
process



Reduce dig
technology



Robust Comms plan



Equipment, tooling
& PPE




Utility damage
Risk reduction
plan



Review year end
performance
data



Quick wins

	Operatives Name	Operatives ID no.			
Site Supervisor/ Site Manager	Contract				
No.	Check	Passed	Passed with Coaching	Failed	Score
Conducting the survey					
2.1	SURVEY AREA IN POWER MODE - P mode selected Sensitivity switched to maximum. Correct search pattern used. C.A.T is kept vertical sensitivity is reduced to narrow search response. Plant clearly traced and marked.	2	1	0	
2.2	SURVEY AREA IN RADIO MODE - R mode selected Sensitivity switched to maximum. Correct search pattern used. C.A.T is kept vertical sensitivity is reduced to narrow search response. Plant clearly traced and marked.	2	1	0	
2.3	SURVEY THE AREA IN GENNY MODE - G mode selected, Ground is scanned and earth peg used at 45 degree angle. Black lead connected to earth, red lead connected to plant. Plug in to Genny and listen for tone change.	2	1	0	
Excavation					
3.1	Is the plan for the required work the safest way of completing the job	2	1	0	
3.2	Can identify the difference between HV and LV cables	2	1	0	
3.3	Is aware of the separation distance when using mechanical equipment in relation to underground plant	2	1	0	
3.4	Do the team know that they must ask for the service to be isolated if they are cased in concrete.	2	1	0	
3.5	Are safe digging practices evident and resurveying with the CAT	2	1	0	
		No. Core knowledge failures			
		Total score			
Pass	Pass with requirements	Failed			
53+	46-52	0-45			
No further action required	Further coaching and assessment required within 10 to 30 working days	1 or more core knowledge failures			
		Operative must only work under direct supervision.			
		Refer for training and assessment			
Sign-off					
Assurance Checker Name		Signature		Date	
Operators Name		Signature		Date	

