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Who are we?

- Construction Professionals
- Business Improvement Consultants
- Bring a different way of looking at the industry
- Lean Construction Specialists



Andrew McElwee
Director



James Player
Director



Steve Ward
Managing Director



Michelle Leong
Director

**“Improve the Performance of the
Construction Sector”**

**“Make it Safer, Faster, Cheaper,
Higher Quality, Better for the Environment and
a Great Place to Work!”**

What We Do

- We help organisations actively engage their people in the continuous improvement of the design, construction and maintenance of the built environment, using lean thinking as a robust philosophical framework.



Design



Construct



Maintain

Some of our Customers

Scottish Construction Centre, CITB Construction Skills, The Ministry of Justice, Hennes & Mauritz, Dundee City Council, Skanska, Kier, BAM, ISG Group, Federation of Master Builders, National Federation of Builders, The Learning Skills Council, West Midlands Centre for Constructing Excellence, The Scottish Qualifications Authority, Dundee University, Farrans Construction, Bear Scotland, Morgan Est. Scottish Water, Network Rail, CIF Ireland, Enterprise Ireland.

Our Approach

- Challenge All Fixed Ideas
- Harness the expertise in your own workforce!
- Act Now – Don't wait for the perfect time – it wont come!
- Not Money! – Use you Wisdom!
- Get to the Root Cause
- Endlessly Pursue Perfection

Our Approach

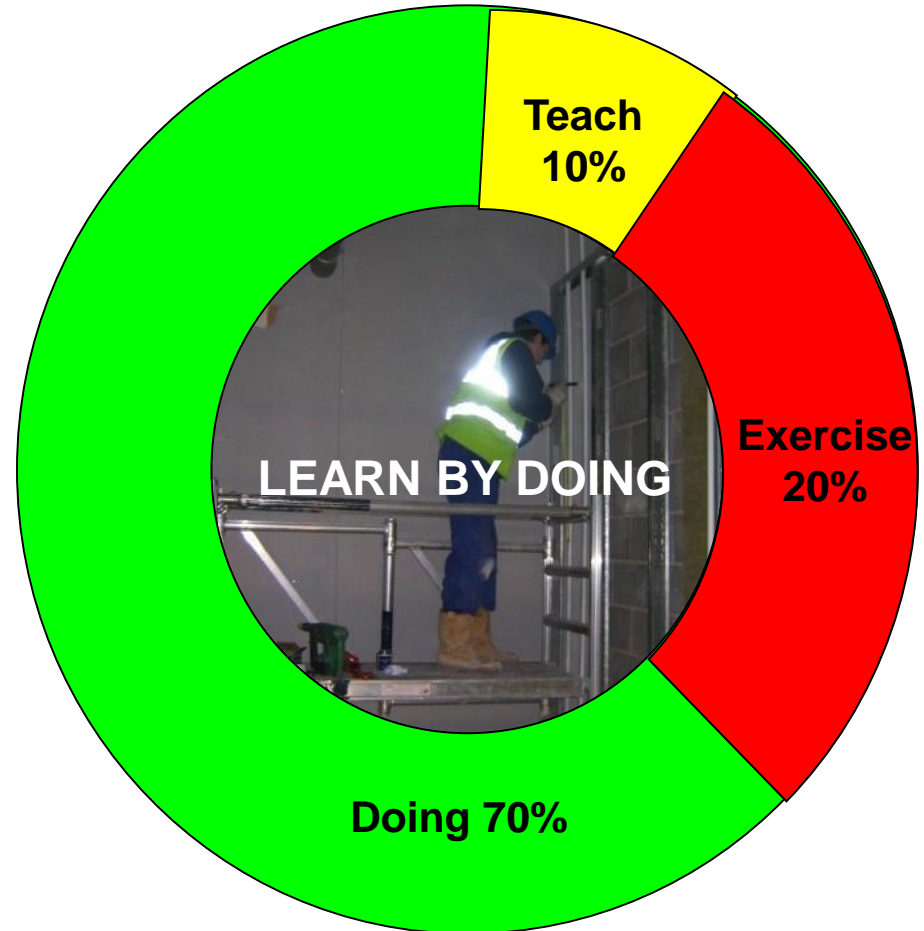
I Hear & I forget,

I See & I remember,

I DO & I UNDERSTAND

Lean Thinking is ok but
what really counts is Lean
Doing!

Must turn theory into
practice!

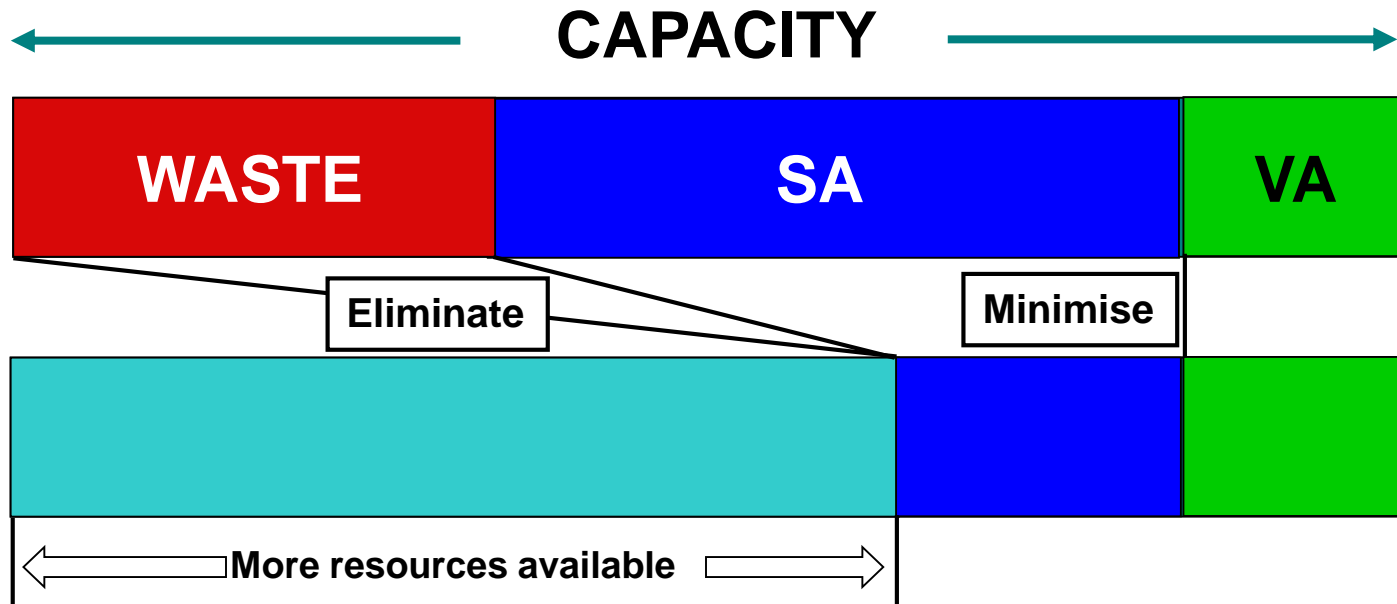


ACTIVITY = WORK + WASTE

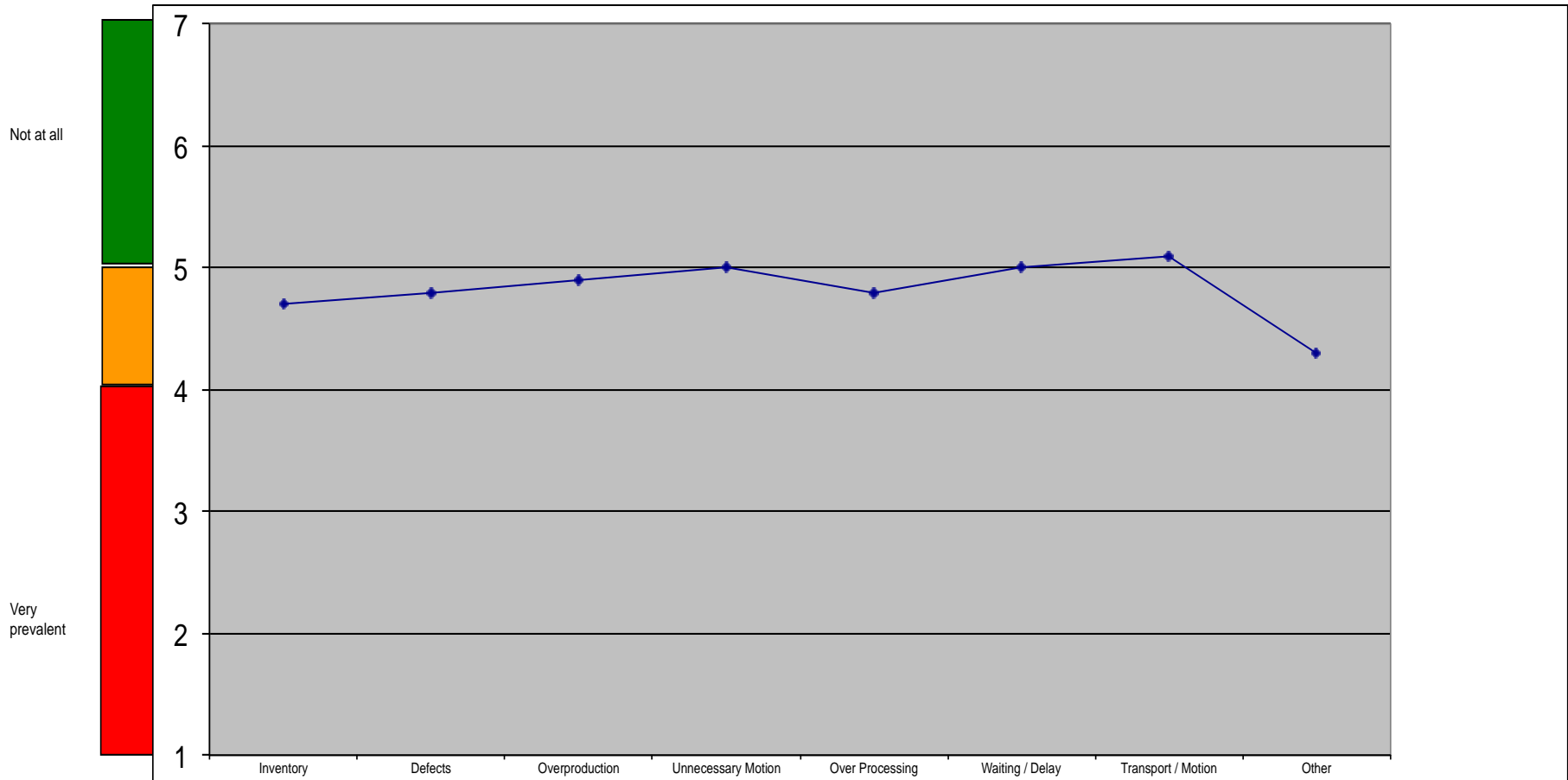


Creating Capacity

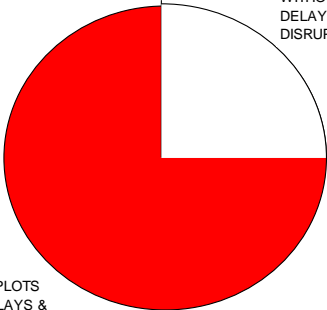
Raise the ratio of **Value Added** Tasks to **Support Activity** and **Waste**



Lean Healthcheck

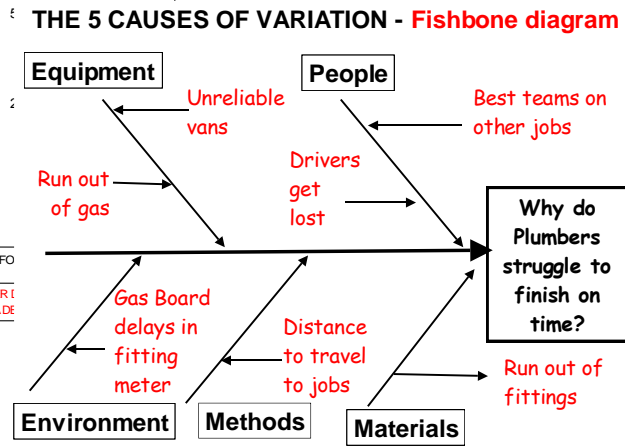


Waste

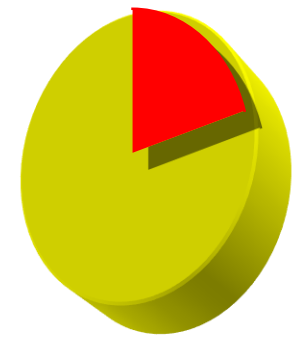
LEVEL	ANALYSIS OF PLOTS EXPERIENCING DELAYS & DISRUPTIONS
1	
DATA PERIOD: APRIL - MAY, 2004 SAMPLE SIZE: 20 PLOTS DATE DRAWN: 31st May, 2004 DRAWN BY: N.MORREY	
25% OF PLOTS WITHOUT DELAYS & DISRUPTIONS	
	
COMMENT	75% OF PLOTS EXPERIENCED DELAYS & DISRUPTIONS
ACTION	ANALYSE CAUSES OF DELAYS & DISRUPTIONS

LEVEL	ANALYSIS OF DELAYS AND DISRUPTIONS
2	
DATA PERIOD: APRIL - MAY, 2004 SAMPLE SIZE: 20 PLOTS DATE DRAWN: 31st May, 2004 DRAWN BY: N.MORREY	
COMMENT	47% OF TIME IS LOST DUE TO WAITING FOR OTHER TRADES COMPLETE
ACTION	INVESTIGATE WAITING FOR OTHER TRADES CATEGORY

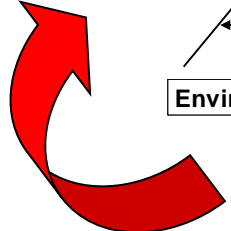
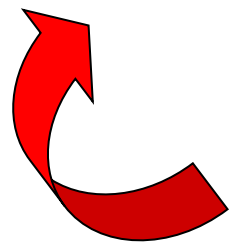
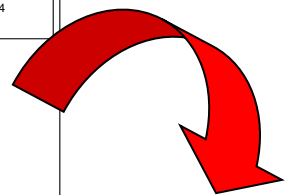
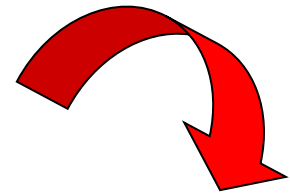
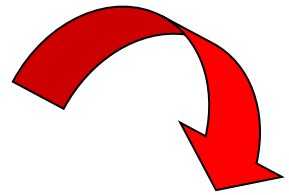
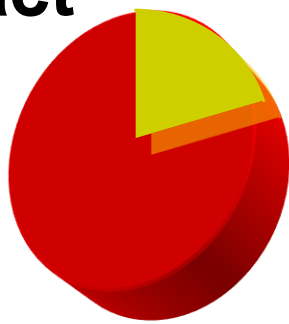
LEVEL	ANALYSIS OF WAITING FOR OTHER TRADES
3	
DATA PERIOD: APRIL - MAY, 2004 SAMPLE SIZE: 20 PLOTS DATE DRAWN: 31st May, 2004 DRAWN BY: N.MORREY	
COMMENT	40% OF TIME IS LOST DUE TO WAITING FOR PLUMBER TO COMPLETE WORKS
ACTION	INVESTIGATE REASONS WHY PLUMBER DOES NOT WORKS ON TIME, CAUSING OTHER TRADE



Effort



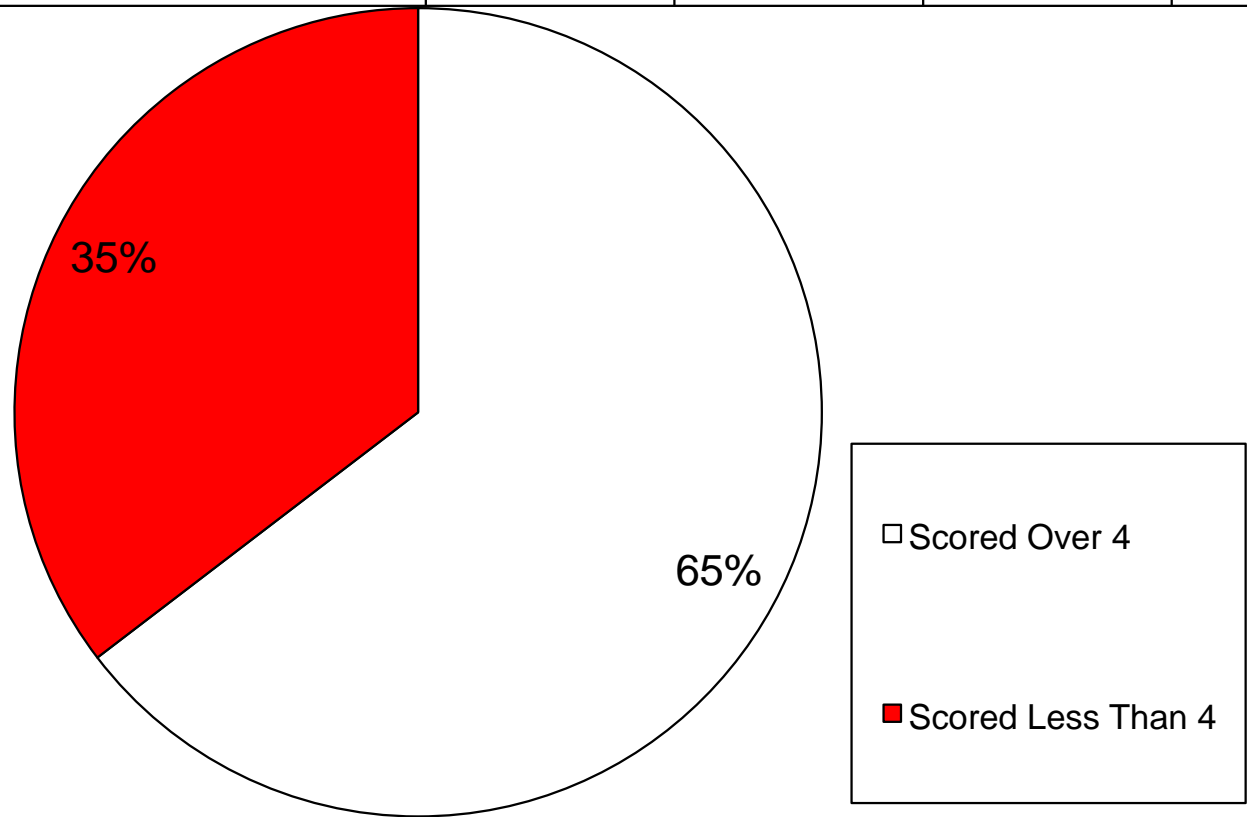
Impact



About the CIF Data

- 34 Projects across 7 companies were reported against
- Each Project has 106 checks
- Total Population of checks = 34×106
= 3604
- Less Than 4 = Red so looked at % of checks less than 4

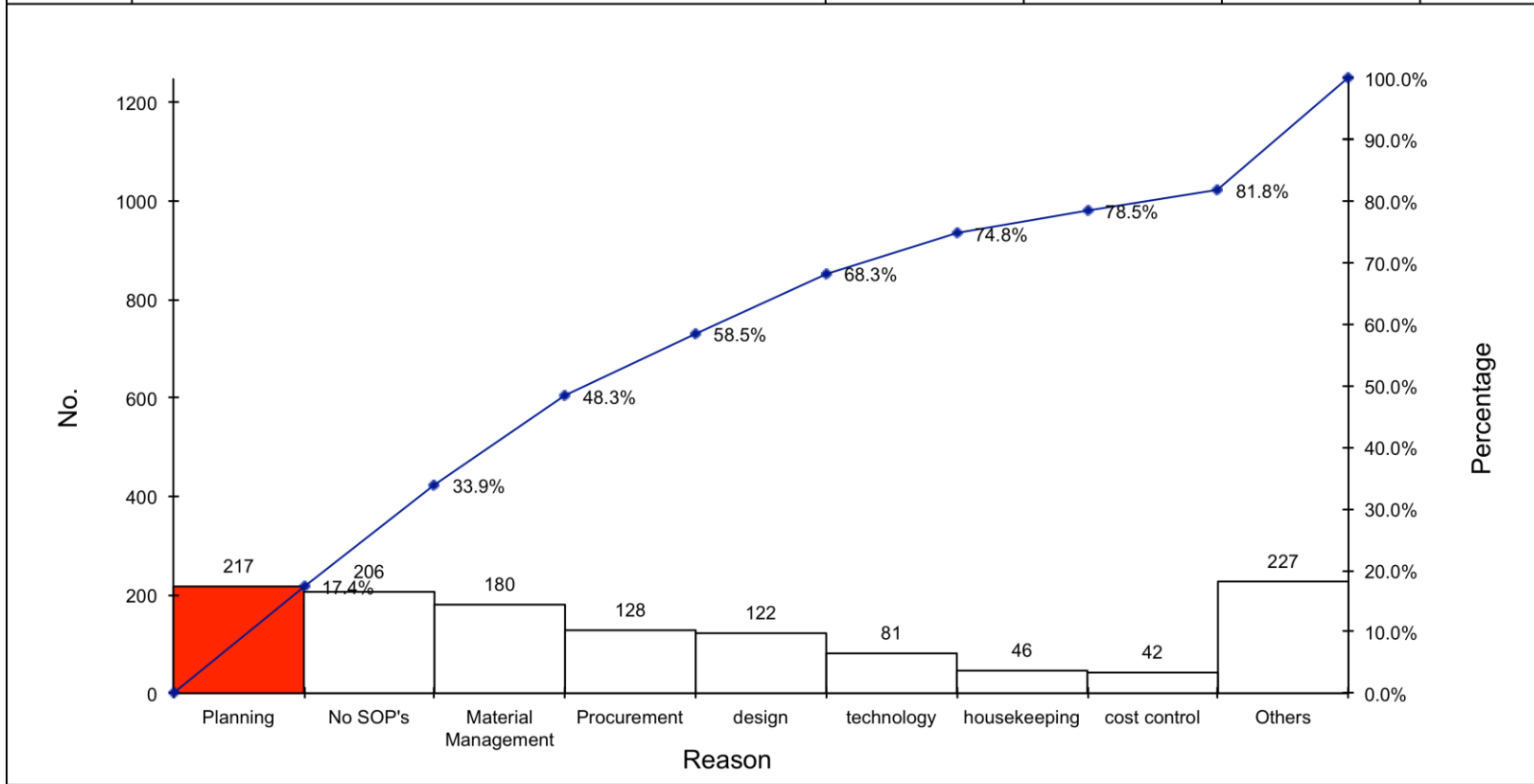
LEVEL	Lean Healthcheck Summary	SAMPLE SIZE	PERIOD	ISSUER	DATE
1		3604	34 Projects	S.Ward	06/01/2014



Comment 35% of lean Healthcheck items scored less than 4

Action Investigate most frequent causes of failure

LEVEL	Frequency of Mentions of Driver Types	SAMPLE SIZE	PERIOD	ISSUER	DATE
2		1249	34 Projects	SW	19/01/2014



Comment	50% of all Waste can be improved by focussing on Planning, SOP's and Material Management
Action	Form Strategy for improvement



- Lean Start
- Lean Plus
- Lean Transform