

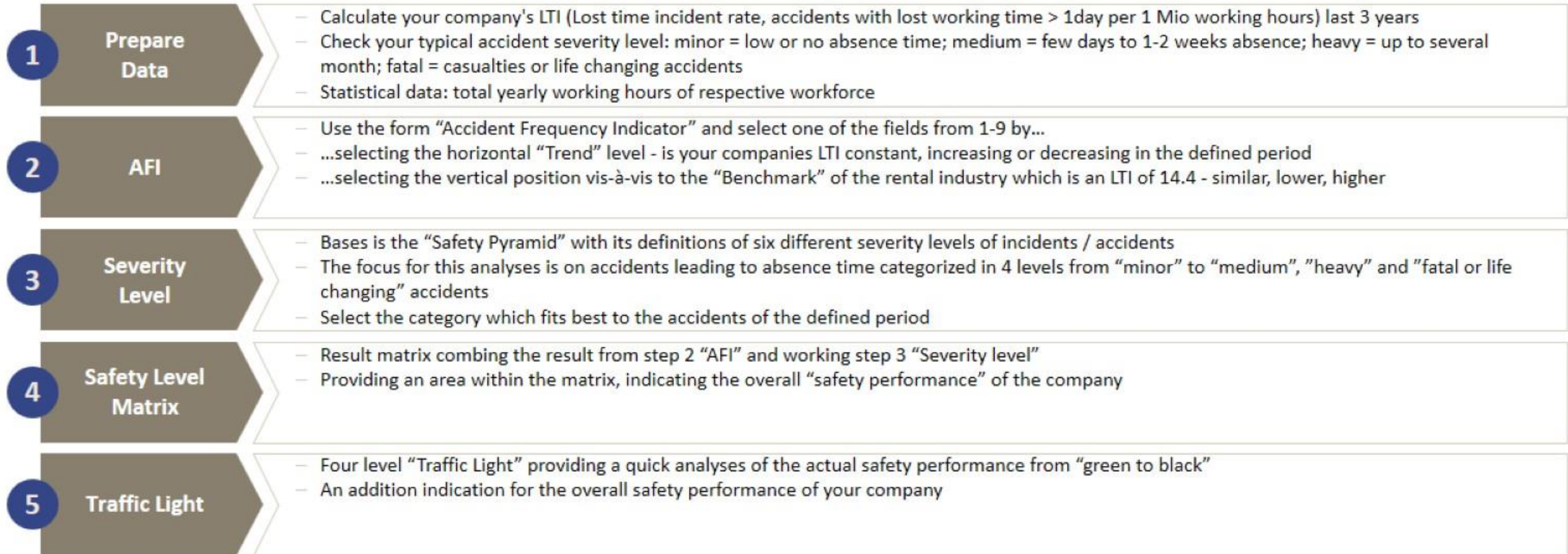
ERA Accidents Benchmarking

Status June 2024



ERA Benchmarking

5 steps to an indication for your company's safety situation



Step 2: Accident Frequency Indicator

Select the appropriate field in the matrix corresponding to the actual situation



A. LTI TREND



Increase

3

6

9



Constant

2

5

8



Decrease

1

4

7

Accident Frequency Indicator
AFI

B. LTI Benchmark

Accident frequency compared to ERA
average = LTI: 14.4

$$LTI = \frac{\text{Yearly Lost Time Incidents} > 1\text{day}}{\text{Total yearly working hours}} \times 1\text{Mio}$$



Lower

Similar

Higher



14.4



ERA average

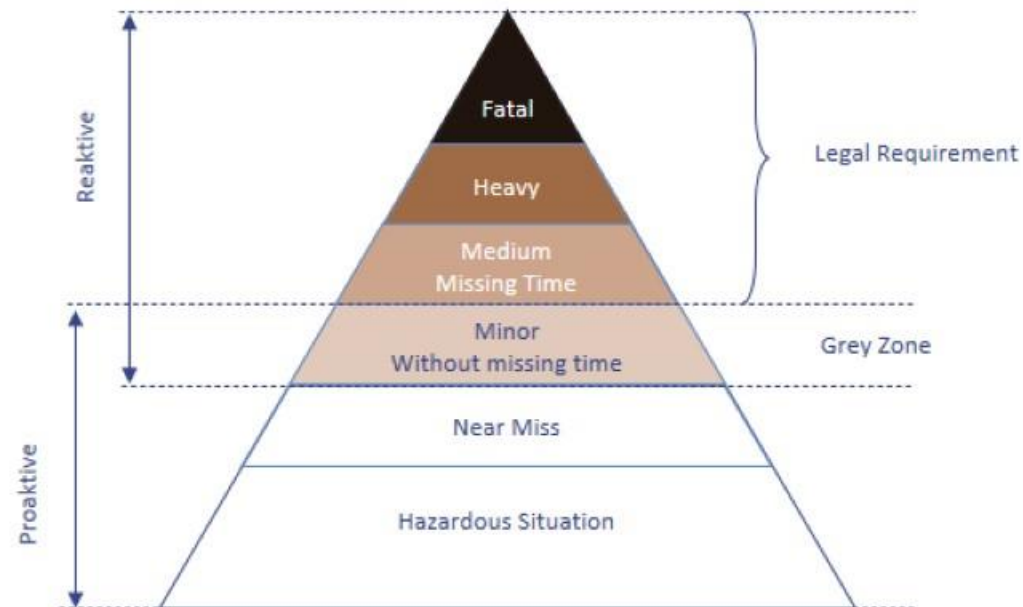
Step 3: Accident Severity

Definitions according to “accident pyramid” principle



«Accident Pyramid»
Focus on incidents with clear effect

Accident Effect



FATAL

- Casualties or life changing accidents

HEAVY

- Sever accident leading to long absence time of several month
- Significant effort required e.g. rehabilitation

MEDIUM

- Incidents leading to injuries of the person with several days of absence time
- Short hospital stay or »sick leave«

MINOR

- Accidents with low or no absence time
- Accidents with low or no absence time

Step 4: Accident Frequency Indicator

Select the appropriate fields in the matrix corresponding to your AFI and typical accident severity level



Select the typical severity level
Based on categories from Step 3

FATAL	●	●	●	●	●	●	●	●	●
HEAVEY	●	●	●	●	●	●	●	●	●
MEDIUM	●	●	●	●	●	●	●	●	●
MINOR	●	●	●	●	●	●	●	●	●
	1	2	3	4	5	6	7	8	9

Traffic light
Indication for actual safety level

Select the Accident Frequency Indicator

AFI number from Step 2

Step 5: Traffic light

Indication for your company's actual overall safety performance

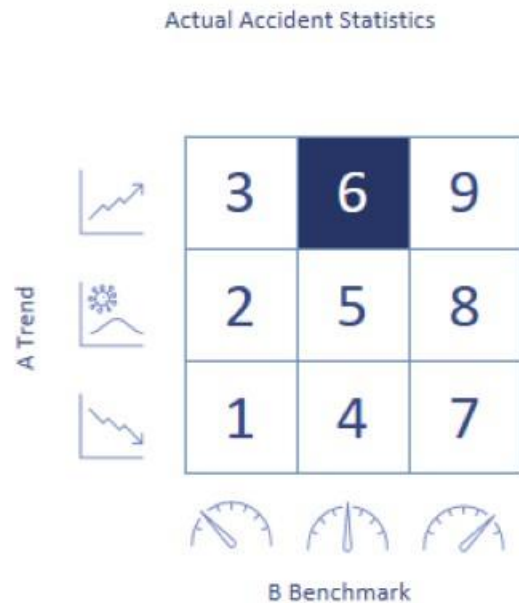


G	<ul style="list-style-type: none">Top Culture & behaviour, processes, good integration„Very low risk“ IndustryPure luck, no or bad reporting	<p>No problem zone Excellent overall situation Stay alert, further develop the system</p> 
Y	<ul style="list-style-type: none">Solid system with improvement potentialChanges in Processes, -technologies or -environmentPossibly “Luck“ or „med risk“ work environment	<p>Some critical incidents Increasing focus required Continues improvement process</p> 
R	<ul style="list-style-type: none">System with significant improvement potentialLarge gaps within the safety systemAcceptable level within the industry?	<p>Critical situation Systematic review process required Develop or upgrade safety system</p> 
B	<ul style="list-style-type: none">No system at allHigh risk work environmentNo employee orientation	<p>«Houston, we have a problem» System - break down Task force mode ??</p>

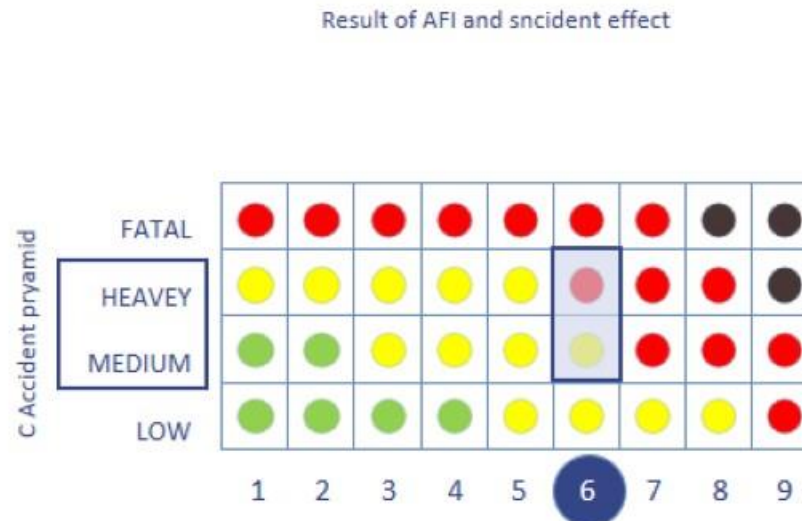
Example: How could the result look like?



AFI Accident Frequency Indicator



Safety Level



Safety Performance



- Within the defined period the accident frequency has increased
- The company LTI is on the level of the ERA benchmark

- Typical accident with medium to heavy severity levels
- The combination with the AFI of "6" leads to a "yellow to red" safety performance

- Based on the quick assessment higher attention towards safety is required and the risk to slide into a critical situation is given