

# A zero-vision against accidents in the Swedish concrete industry

Malin Löfsjögård

*Managing Director Svensk Betong*

*Adj Prof Royal Institute of Technology (KTH)*



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# Work environment activities in Sweden

- The Swedish Work Environment Act
- The Swedish Work Environment Authority



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# Satisfactory work environment

- Physical work environment
- Psychological work environment



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# Employer responsible for work environment

- Take all necessary measures to prevent accident or ill health
- Instruct and inform employees in avoiding hazards
- Have an organization for rehabilitation and employee assistance
- Hire an occupational health care centre as necessary.



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# Systematic work environment management

The employer shall:

- Make risk assessments
- Investigate accidents, ill-health and serious incidents
- Implement safety measures
- Inspect these measures
- Assign work environmental tasks



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# Employee's responsibility

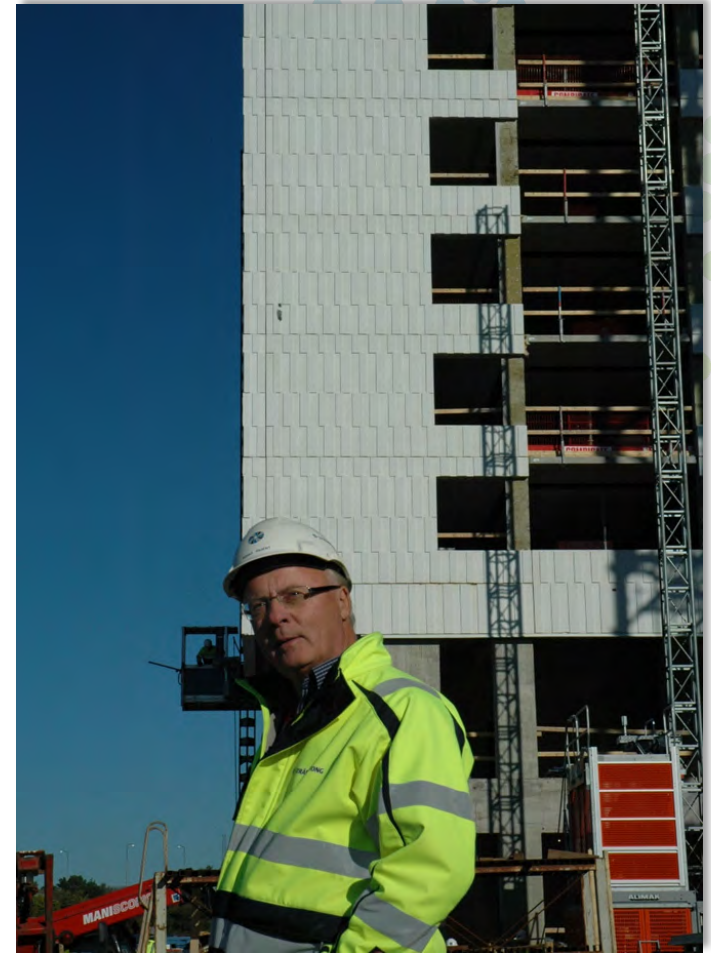
- Participate in work environment activities
- Follow regulations
- Participate in implementing safety measures
- Use safety devices and personal protective gear



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# Collaboration between the employer and employee

- Safety officer
- Principal safety officer
- Regional safety officer
- Safety committee.



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# Work Environment Authority ensures compliance with laws and regulations

- Inspect and demand information
- Issue injunctions and prohibitions



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# Work environment activities in the Swedish Concrete Federation (Svensk Betong)

- Safety issues
- Culture of safety
- Zero tolerance for accidents
- Training
- Work environmental days
- Collaboration within the 'Community builder industry'



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# Examples of projects related to the work environment.

- Reference measurements of silica
- Accidental statistics
- Publications on safety
- Safety training courses, i.e. assembling concrete elements, mixed concrete and concrete pumping
- Industry-wide 'Safe Foundation' training
- Yearly work environment day with various themes



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# New silica regulation in Sweden from 2015

- Regulation 'Silica – Silica dust in the work environment'
- Concentrates on systematic work environment management and preventative measures including risk assessment



# Reference measurement of silica

Project '*Reference measurements of silica in the concrete industry*' – the Swedish Concrete Federation together with IVL Swedish Environmental Research Institute and SBUF (the construction industry organisation for research and development).

➡ resulted in guidelines for using reference measurements for our members



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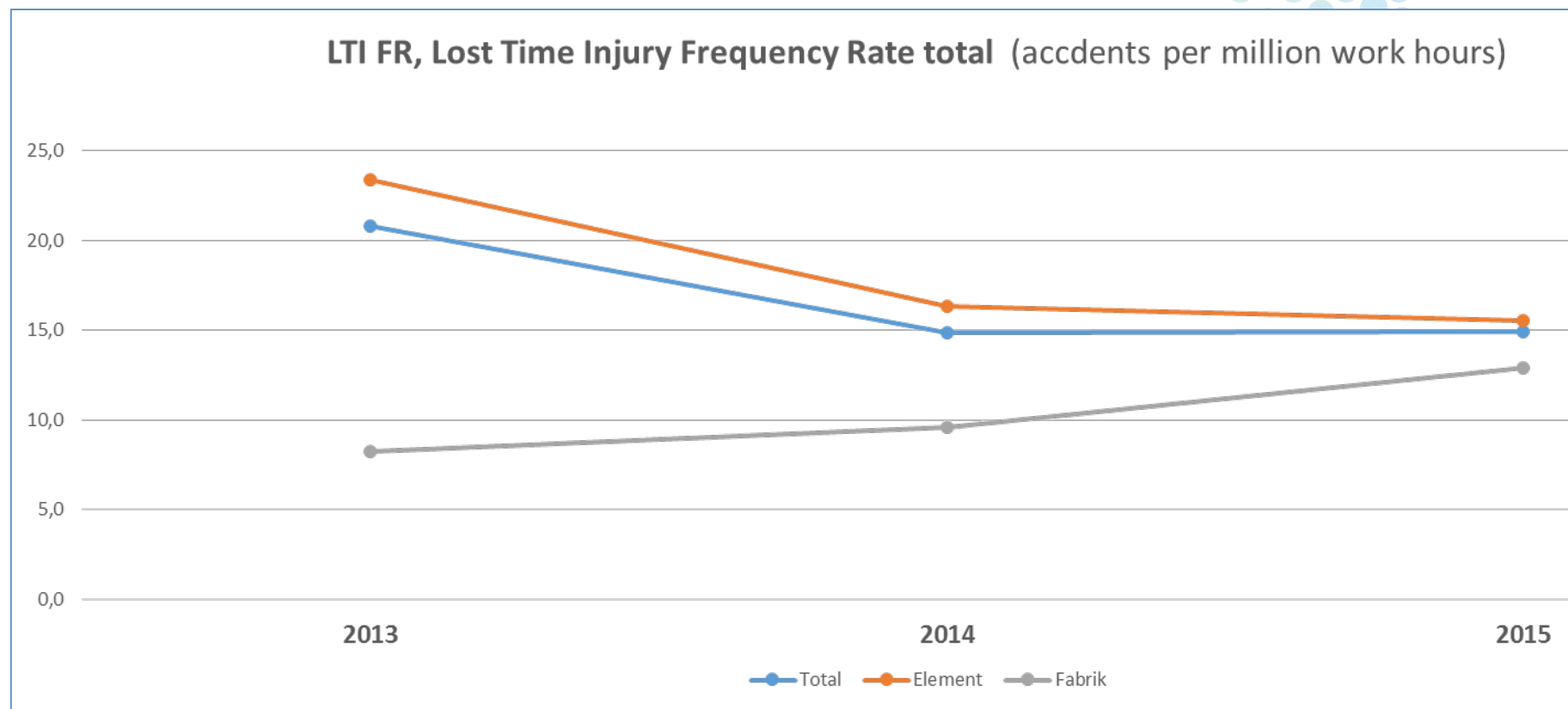


# Swedish Concrete Federation – Accidental Statistics 2013 – 2015

Accident statistics	2015 year			2014 year			2013 year		
	Total	Element + Assembly	Factory + Pump	Total	Element + Assembly	Factory + Pump	Total	Element + Assembly	Factory + Pump
Work environment events									
Company	74	32	42	64	32	32	58	30	28
Employed	4,874	3,796	1,078	4,554	3,567	987	4,677	3,871	806
Work hours (assumed)	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800
Observations	1,443	1,235	208	865	697	168	901	806	95
Incidents (oops)	1,903	1,742	161	1,592	1,488	104	1,051	973	78
Accidents - no absence (ouch)	453	405	48	400	357	43	370	346	24
Accidents - with absence (ouch)	131	106	25	122	105	17	175	163	12
Absence days due to accident	1,911	1,402	509	1,594	1,402	192	2,314	2,054	260
Travel accidents	21	16	5	6	1	5	15	11	4
Deaths	0	0	0	0	0	0	0	0	0
LTI FR lost time injury frequency rate	14.9	15.5	12.9	14.9	16.4	9.6	20.8	23.4	8.3
*Accidents for LTI involve at least one day's absence									



# Swedish Concrete Federation – Accidental Statistics 2013 – 2015



# A selection of safety publications

- Safe work environment when assembling concrete and steel elements
- Working at height
- Working in concrete factory yards
- Securing loads - concrete products
- We want you to feel well - safety in the construction element industry



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# Safety training courses for members

- Assembling concrete elements
- Safety for pump operators
- Technical course for assembly team managers
- Transport of fresh concrete





# Industry-wide safety training courses

Interactive basic course – safety training common to the construction industry for delivery and/or some work at the construction site



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# Yearly Work Environment Day



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