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The Formwork Experts.

ISHCCO GA 2022 How to Improve Safety?

08.04.2022

ISHCCO | Helmut Weißengruber
Amstetten, 08.04.2022

Some Experiences with H&S Trainings ...

Really necessary?

Training - but still accidents!

Fun?

Increases team feeling?

Sustainable?

Positive mindset befor meeting?

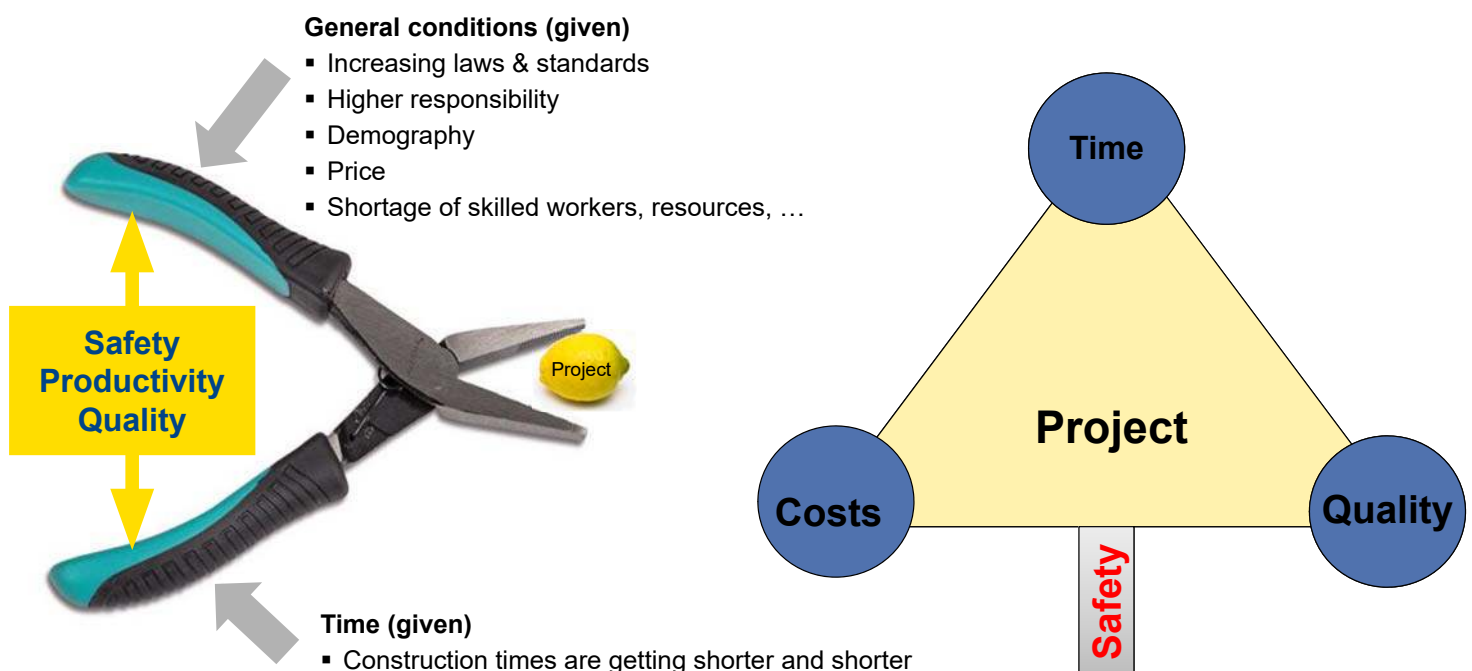
Helpful?

Safety: only one time /
year important?



How could the safety-level on site be increased?

A Short Look to a Typical Project



Learning by Doing!

When learning actively – “of what is worked out with thought and carried out by oneself” – the most is retained in memory (approx. 90%). However, on average only about 20% of what is heard is noticed. AUVA, Merkblatt M 070 (07/2016), S. 10

=> Hands on Safety!

Costs

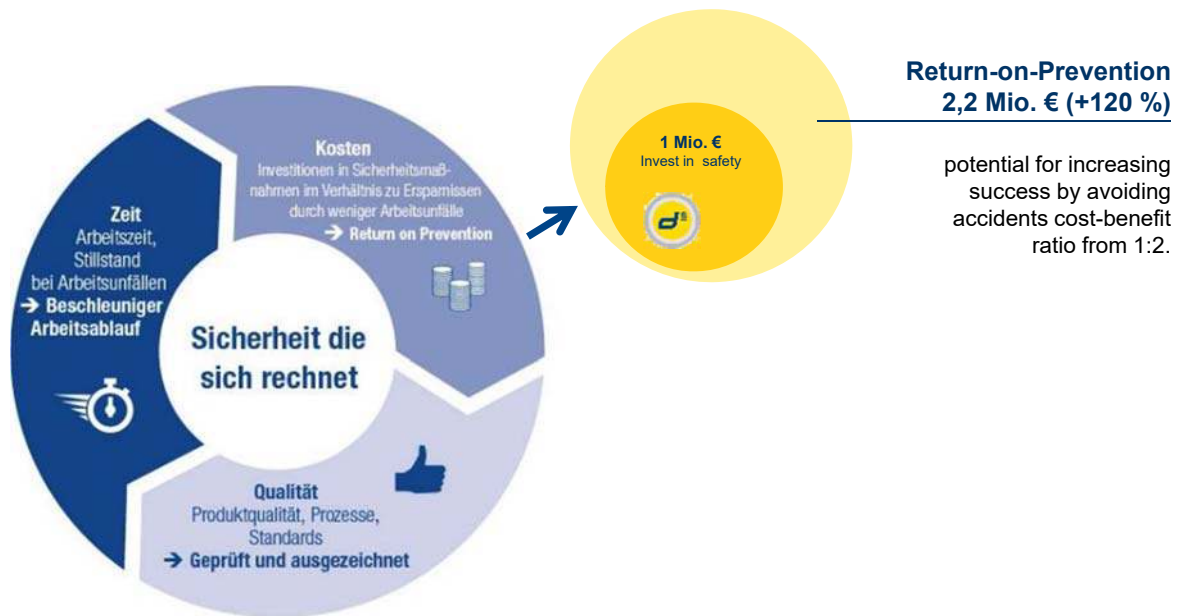
No
SAFETY

costs
more

money

Safety Pays Off!

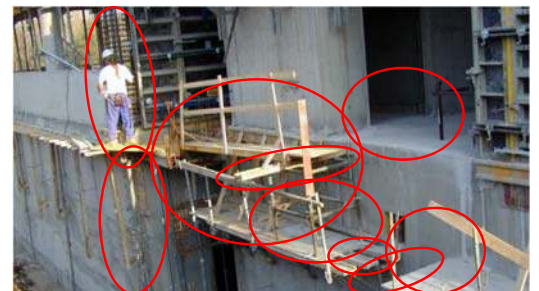
Higher efficiency, reduced risk of accidents, increased motivation



80% of Work-Related Accidents are Behavior-Related

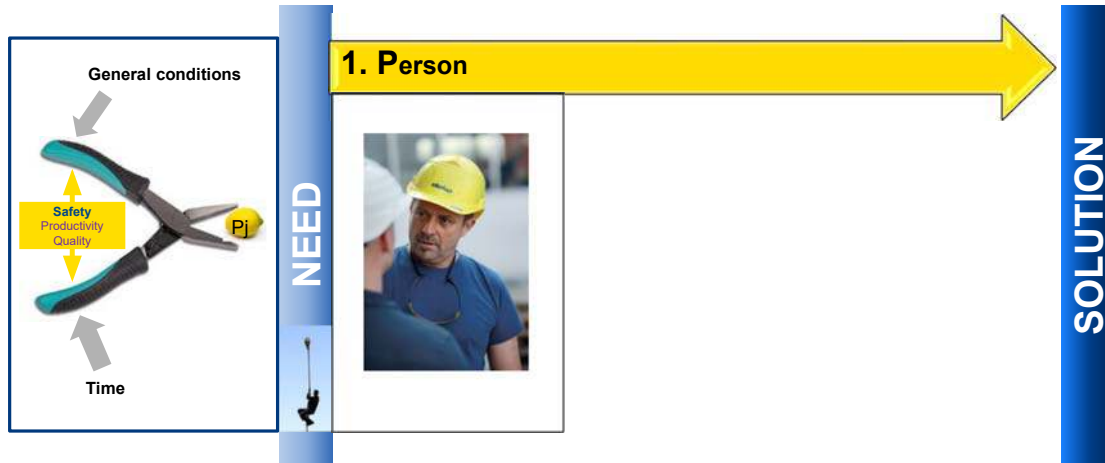
Quelle: Management und Führung, 7/2018

1. In accidents, **several factors** usually **come together**
2. **Safety regulations** are sometimes quickly / sometimes briefly overridden or **ignored**
3. **No time** or no desire
4. Has a **risk assessment** been carried out?
5. Are **near misses used** as a learning opportunity?
6. Is **behavior-based** occupational **safety** practiced?
7. Are **proper behaviors promoted**?
8. Is the **procedure** of work **planned beforehand**?
9. Are **non-employees** considered?



How Can Safety be Increased in the Long Run?

From „TOP“ to „POT“



Those Who Learn From Mistakes are (usually) Smarter in the Long Run

But why?

The brain remembers emotional messages much better ...



... and it takes 7-9 repetitions to make new things a habit

What We Need to Learn From Mistakes:

Sicherheitsingenieur 8/20012; Dr. med Helmut Jäger

1. Errors must have a certain size!

Too small: not enough frustration

Too big: do not lead to change, defense or giving up



2. Simulate accidents: pretend that a mistake has happened and train how to deal with it

3. Special vigilance in stressful situations (train a cool head!)

4. Model!

5. It needs **COURAGE** to address mistakes

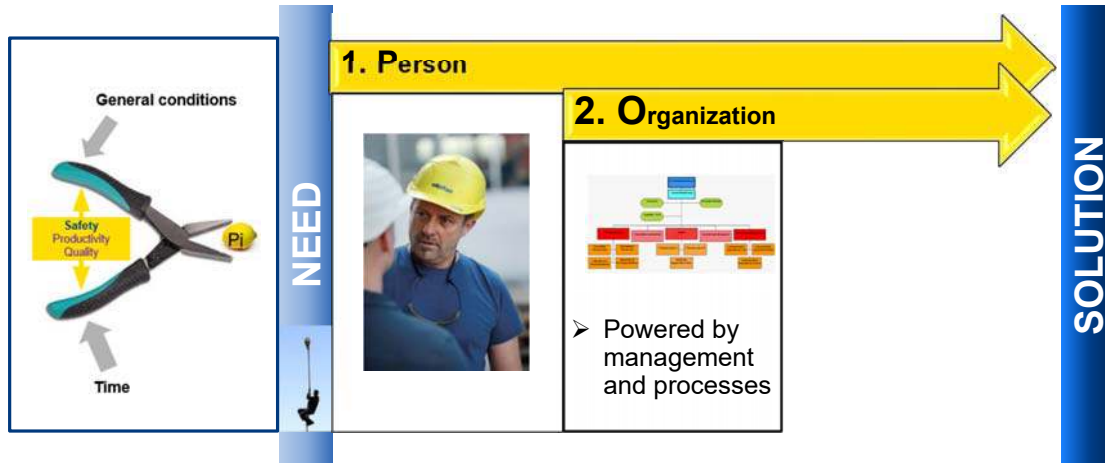
6. It needs the **right culture of criticism** (situation-dependent, personal => effective!)

7. **Attention:** If obvious problems are ignored!



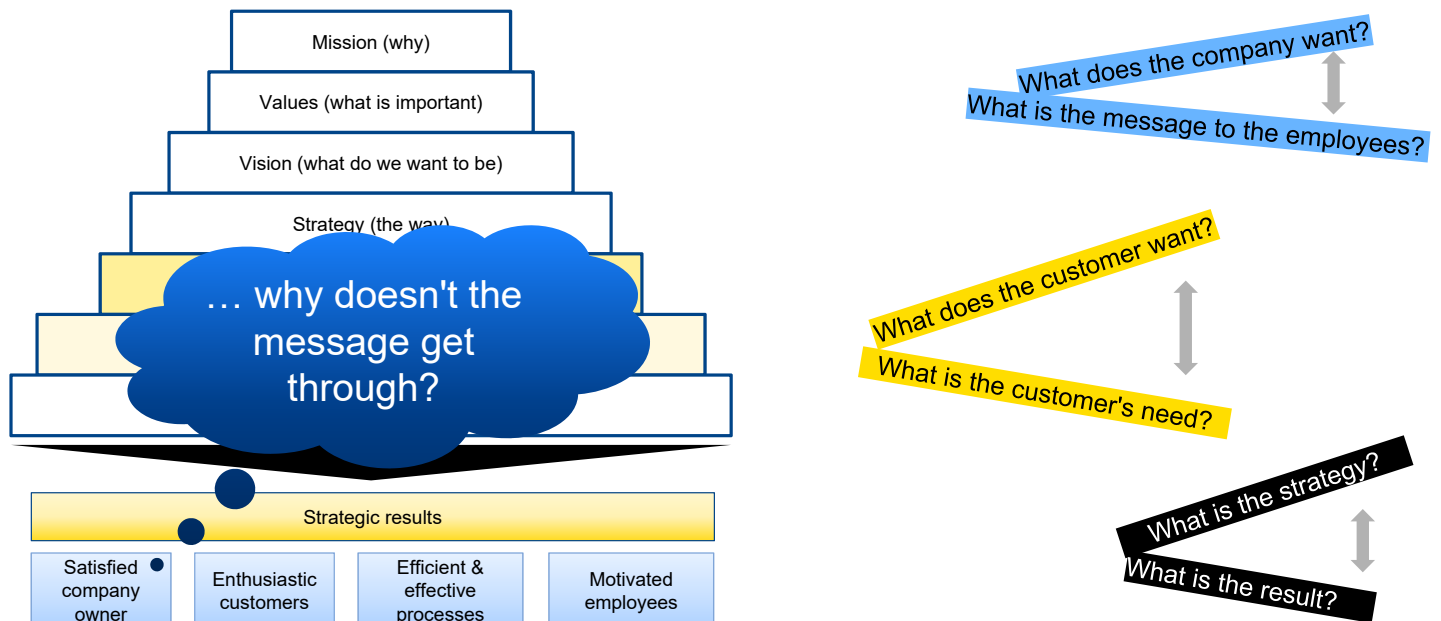
How Can Safety be Increased in the Long Run?

From „TOP“ to „POT

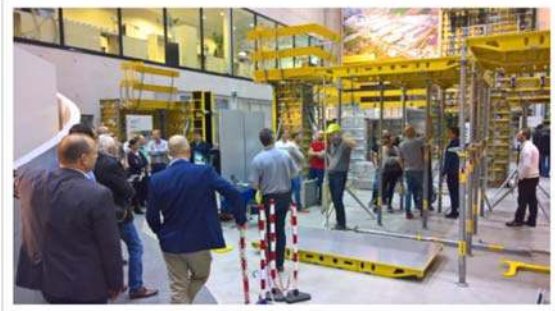


Usually there is a Strategy, But ...

What is the result?



28th April: „World Day for Safety and Health“



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28th April: „World Day for Safety and Health“

Safety WEEK & Sommer tour

Customer



sun cream



Safety poster – brochure

Facebook – competition with photo - stickers



HelmMut – Safety Quiz



Summer Tour: Safety quiz including snack, mineral water „Drinking water is good for you“

Truck driver



Mineral water „Drinking water is good for you“ + Poster „Loading, stacking, storage“ + Facebook posting



Employee



Mineral water „Drinking water is good for you“

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Summertour



<https://www.doka.com/at/solutions/Sicherheit mit Doka>

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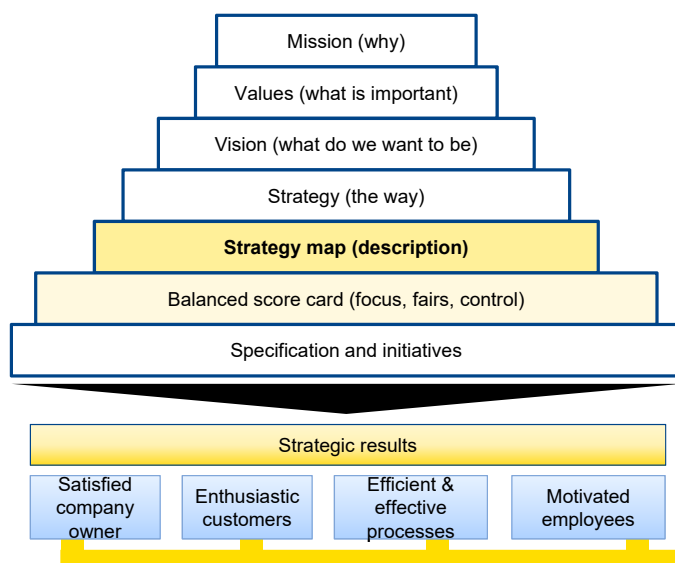
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Safety poster

https://www.doka.com/at/solutions/Sicherheit_mit_Doka



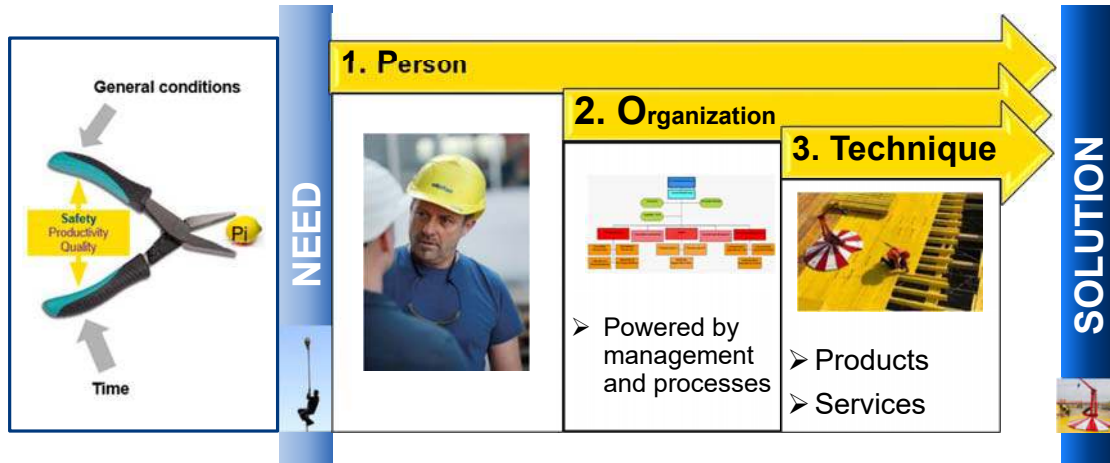
Strategic Results



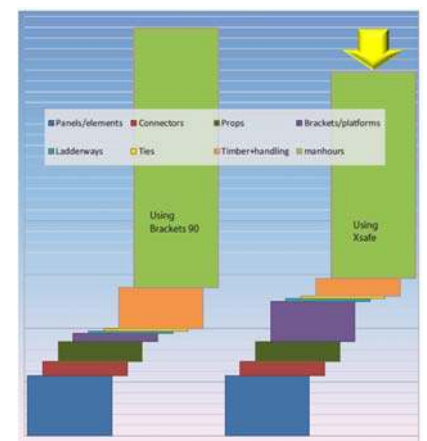
	Results
CEO	<ul style="list-style-type: none"> ➤ Better margin and turnover ➤ Less accidents ➤ Improving corporate image ➤ Reduced liability risk
Customers	<ul style="list-style-type: none"> ➤ Less accidents, but more productivity
Processes	<ul style="list-style-type: none"> ➤ Clear processes and responsibilities
Employees	<ul style="list-style-type: none"> ➤ Clear strategy and measurable goals

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Fully Pre-assembled on the Ground



One Stair Tower for Many Use Cases



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Edge Protection – Common Requirements

According to **EN 13374**, temporary side protection systems must have the following marking:

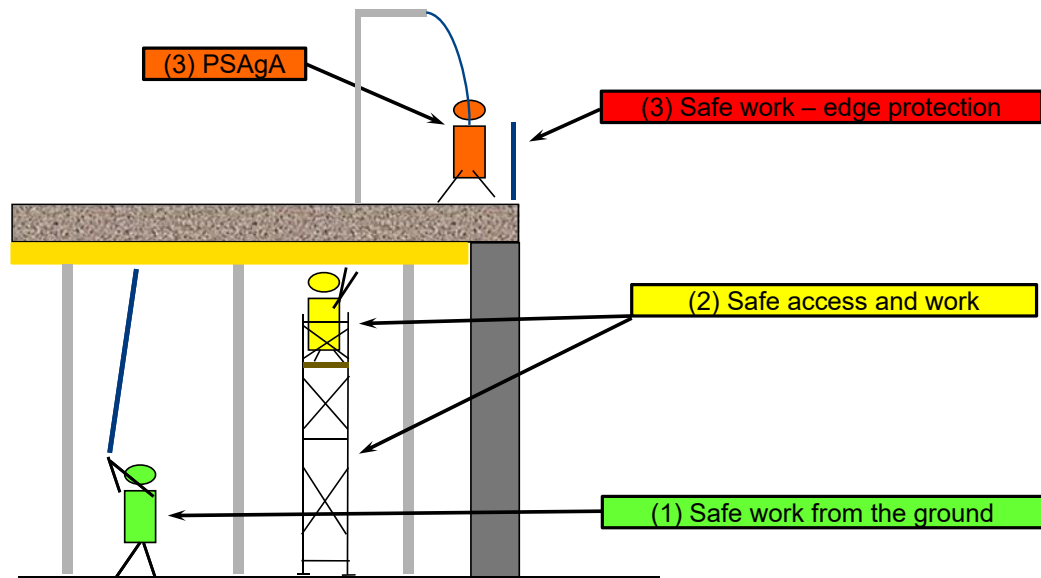


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Keep Risk as Low as Possible!



FreeFalcon



FreeFalcon – Flat Roofs



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More Productivity through Safe Solutions

Integrated safety	Safe products in addition
  	  
Safety = Productivity!	

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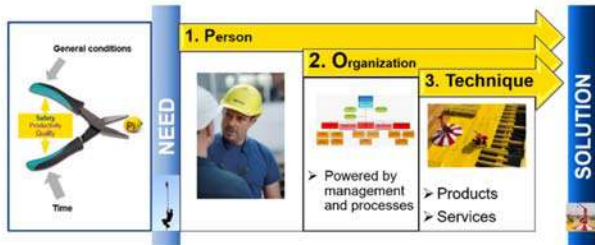
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Safety Webinars

Safety Risk - Construction Site

How to increase the safety level



FreeFalcon

How to protect workers



Safety Webinars

Working platforms

Folding Platform K

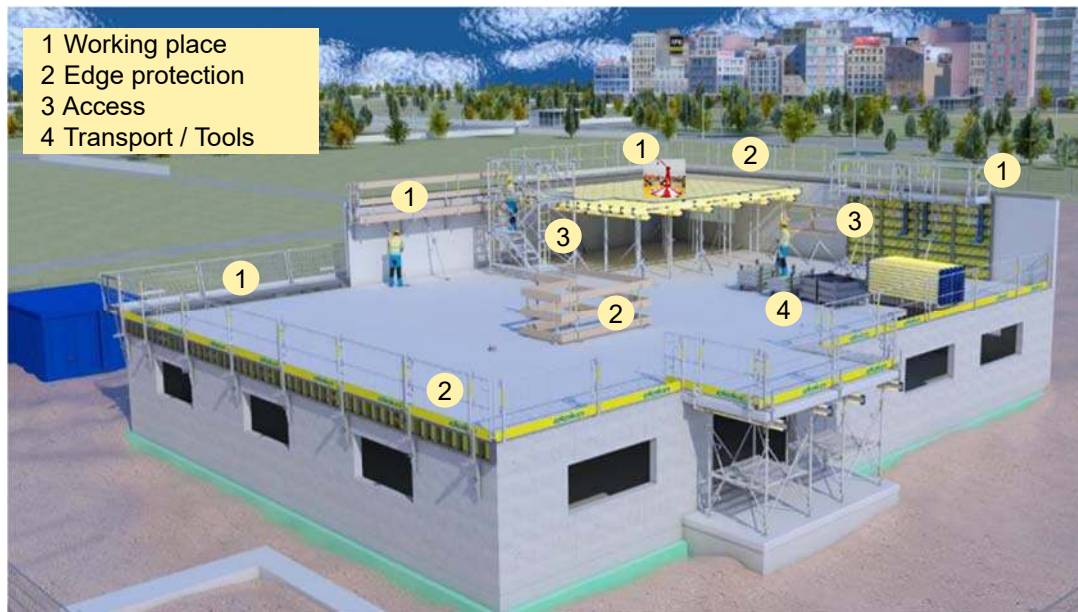


Edge protection Structure

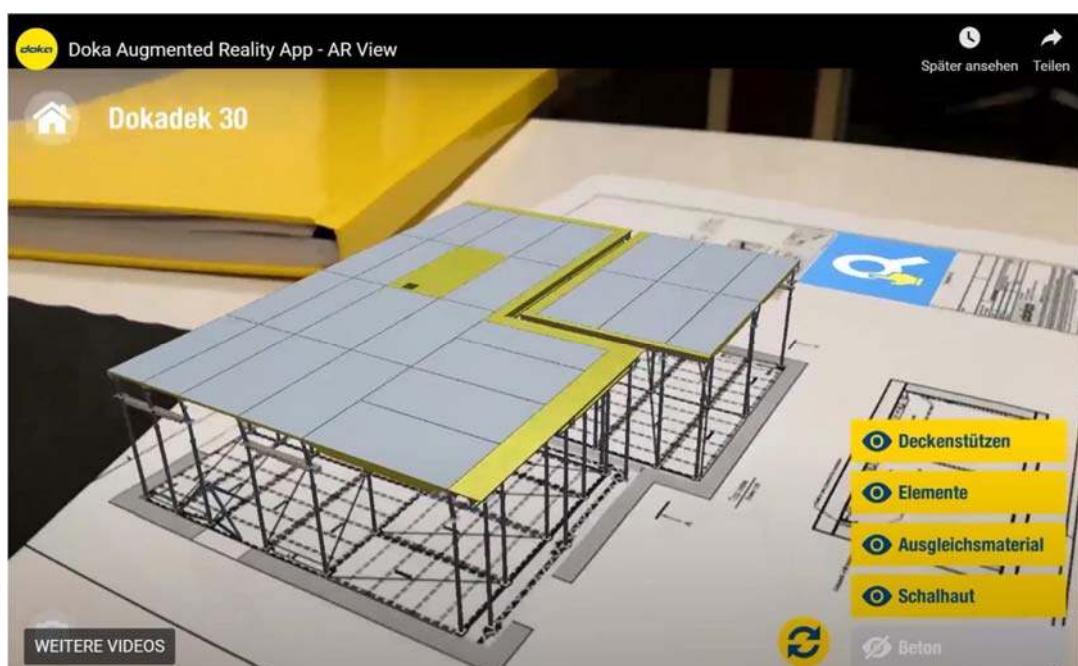
Edge protection system XP



There is No Shortage of Technical Solutions ...



... And Tools ...



... But in “Interaction Competence”!

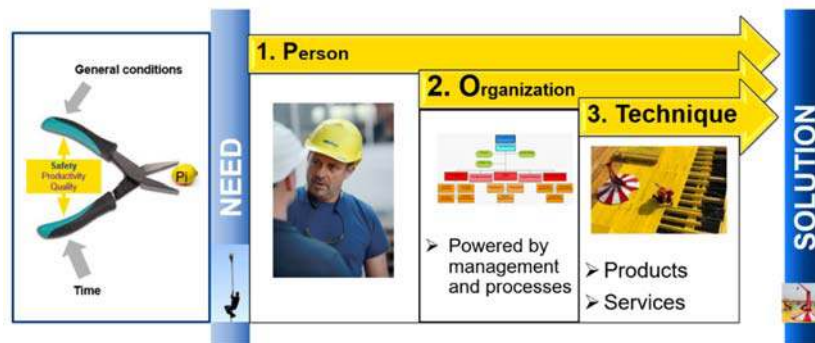
In the personal sphere of influence and within company

The current project: Is it “one of many” or is it a “WOW project”?

WOW – Project:

With certain, outstanding criteria?

Conceived, initiated and built by people who see their activity as something special (Peters (2003), p. 196)



Helmet + Courage = Helm[M]ut

https://www.doka.com/at/solutions/Sicherheit_mit_Doka

„Doka-Safety Game“



Helm[Mut] – Safety Quiz & Fun



- Time
- Quality
- Price
- Safety



Result/Question



Result / Participant
Result / Group
Result / Project

Some Factors Influencing Safety on Construction Sites

Safety

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