



Finnish Institute of
Occupational Health

Well-being through work



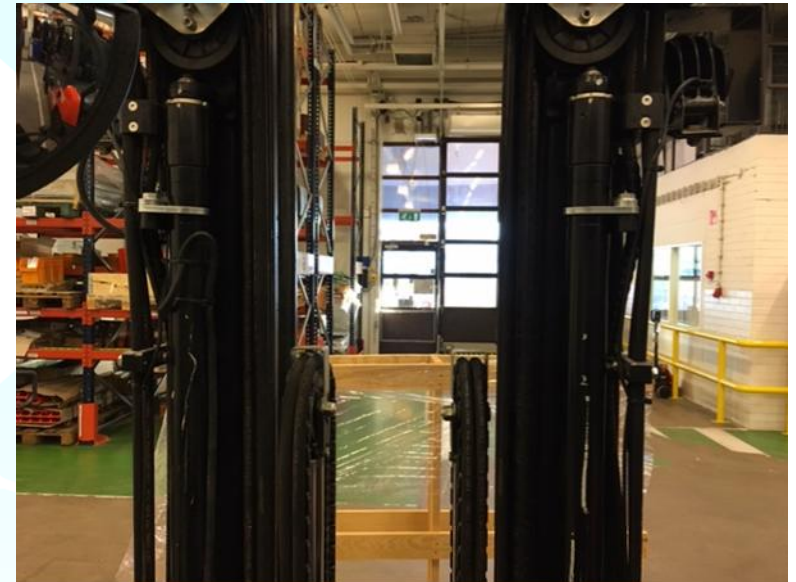
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Improving occupational safety in in-house logistics with the aid of digital measures

Perttula, P., Ratilainen, H. & Puro, V.

Safety in logistics

- Despite changes in work life and consumer habits, material transfers are increasing
- Logistics include accident risks
 - > material-transfer –related accidents more severe than others
 - Safety research in in-house logistics has mainly focused on accident prevention
 - -> here the point of view is promoting safety



www.ttl.fi/logisafe
(1.6.2016-31.3.2019)

New solutions to improve safety in
in-house logistics?



Funding:



Työsuojelurahasto
Arbetskyddsfonden
The Finnish Work Environment Fund

TOYOTA

MATERIAL HANDLING

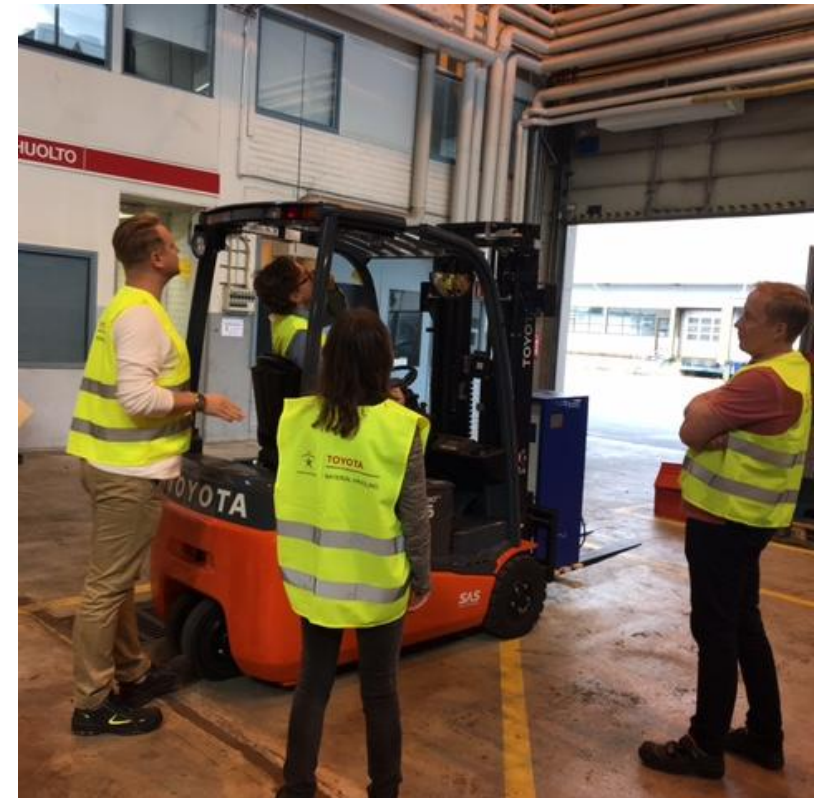


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Two interventions

Digital
feedback
system

Video-based
learning
game



Preliminary results: Forklift truck drivers' attitude towards new technology

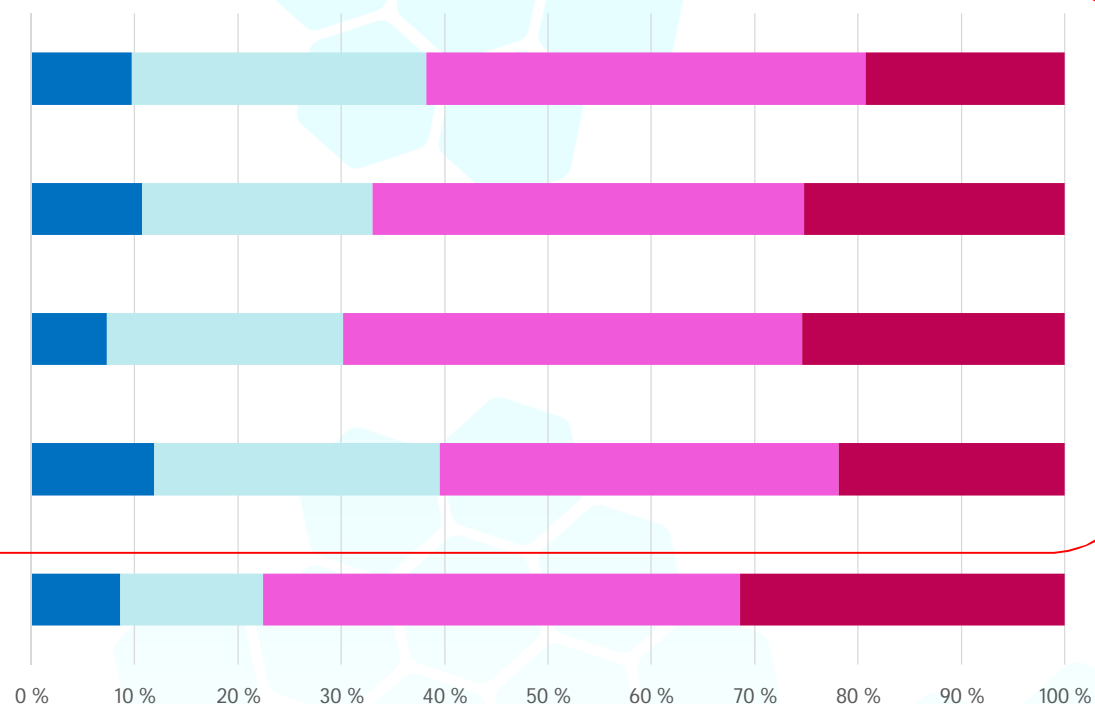
You have received sufficient training at work to use the IT solutions you require

IT solutions help you work more efficiently

IT solutions improve the quality of your work

IT solutions make your work safer

IT solutions enhance the flow of your work



■ Completely disagree ■ Partly disagree ■ Partly agree ■ Completely agree

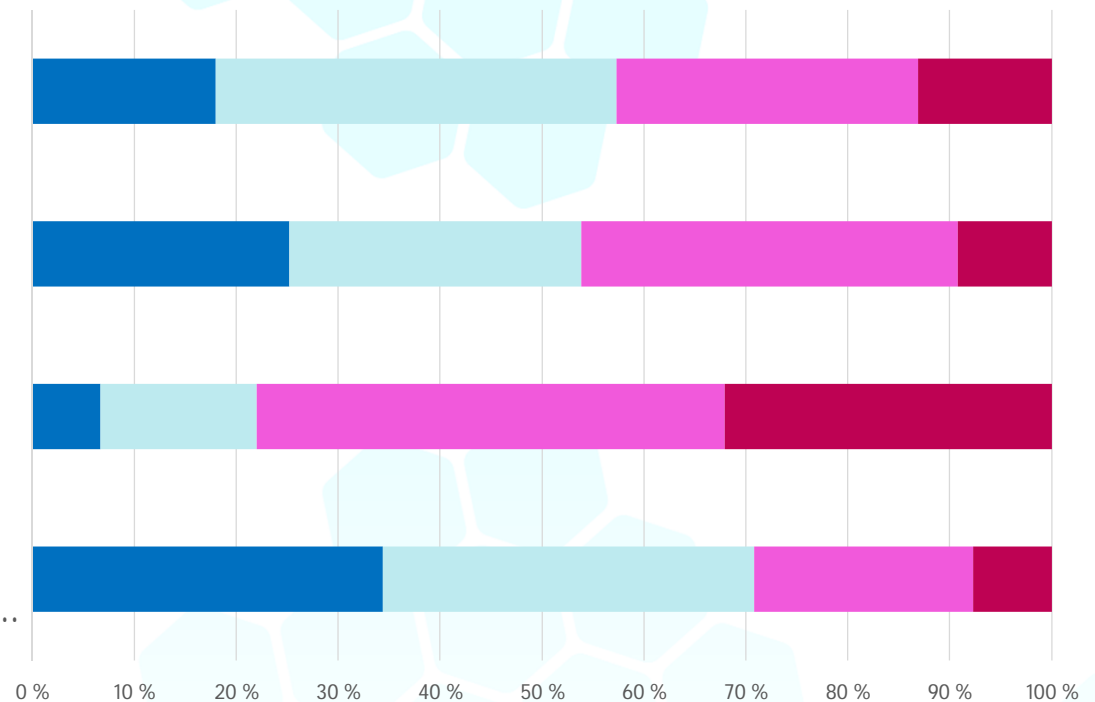
Preliminary results: Forklift truck drivers' attitude towards new technology

The IT solutions always let you down when it matters.

Sometimes, you feel that the IT devices and systems were not designed to be used by regular individuals.

You trust the vehicles/machines/devices to work as intended.

You are worried that the IT solutions enable your employer to find out information about you that you...



■ Completely disagree ■ Partly disagree ■ Partly agree ■ Completely agree

Preliminary conclusions

- Forklift drivers have a positive attitude towards digital systems
 - > A good basis for interventions
- New technologies provide new possibilities for promoting safety, but it requires safety communication

More information?

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