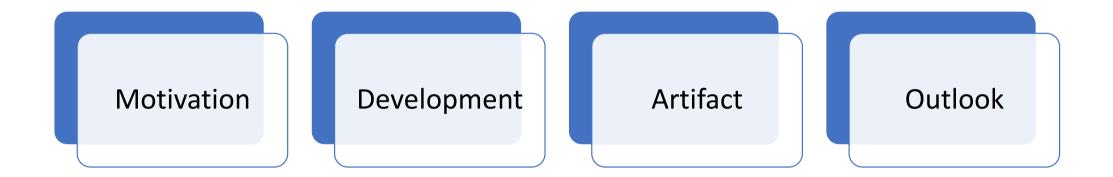


A DIGITAL SUPPORT FUNCTION FOR FACTORY LAYOUT EFFORTS

INDUSTRIAL PHD STUDENT ANDREAS LIND, SCANIA CV AB AND UNIVERSITY OF SKÖVDE

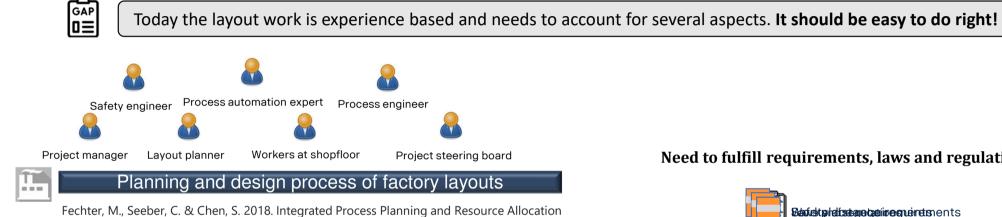
Content of the presentation



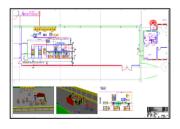
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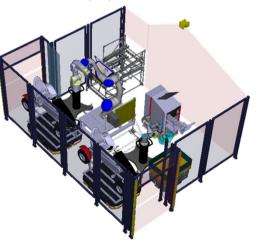
Motivation

Artifact motivation

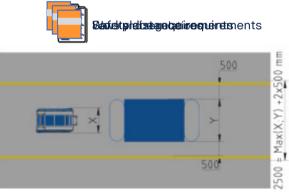


for Collaborative Robot Workplace Design. Procedia CIRP, 72, 51st CIRP





Need to fulfill requirements, laws and regulations

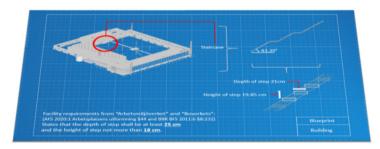


SS-EN 1525 Max(X;Y) + 2x500 mm

1

Motivation

> Artifact motivation – example from current way of working





Built and installed stairs: following the blueprint drawing with a tilt of 43.39°

Compare



Sweden's second steepest ski slope: Väggen, Sälen with a tilt of 45°.

Development

> Artifact nature & artifact development

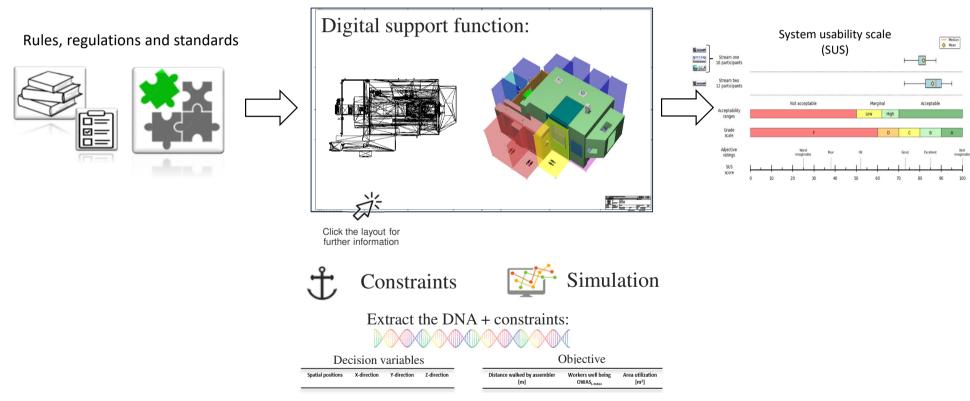


Showcase enhanced digital support to assist layout planners:

- executing the associated tasks correctly, efficiently, and **objectively**, when performing the layout planning
- to a lesser degree depending on the background and **experience** of the layout planner.

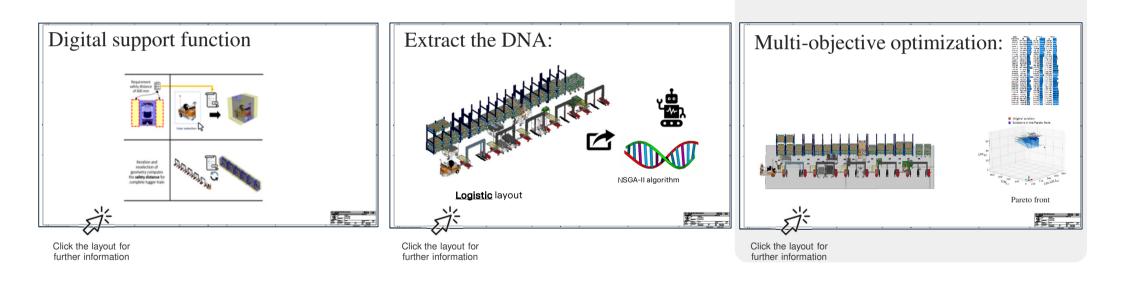
Artifact

> Artifact content – the digital support function



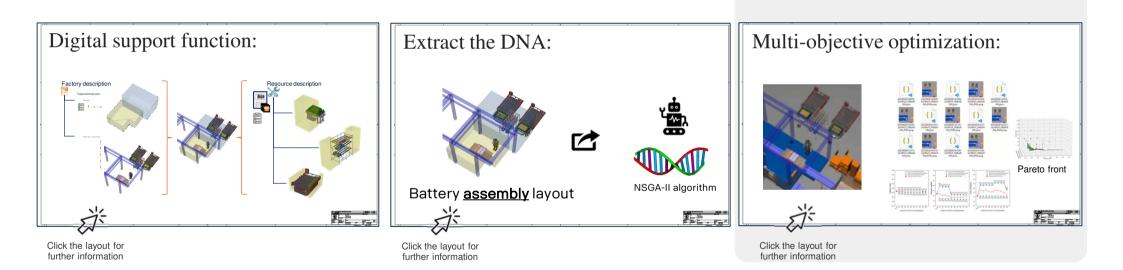
Outlook

Artifact in use - logistics



Outlook

> Artifact in use - assembly



Outlook

> Artifact in use - assembly

