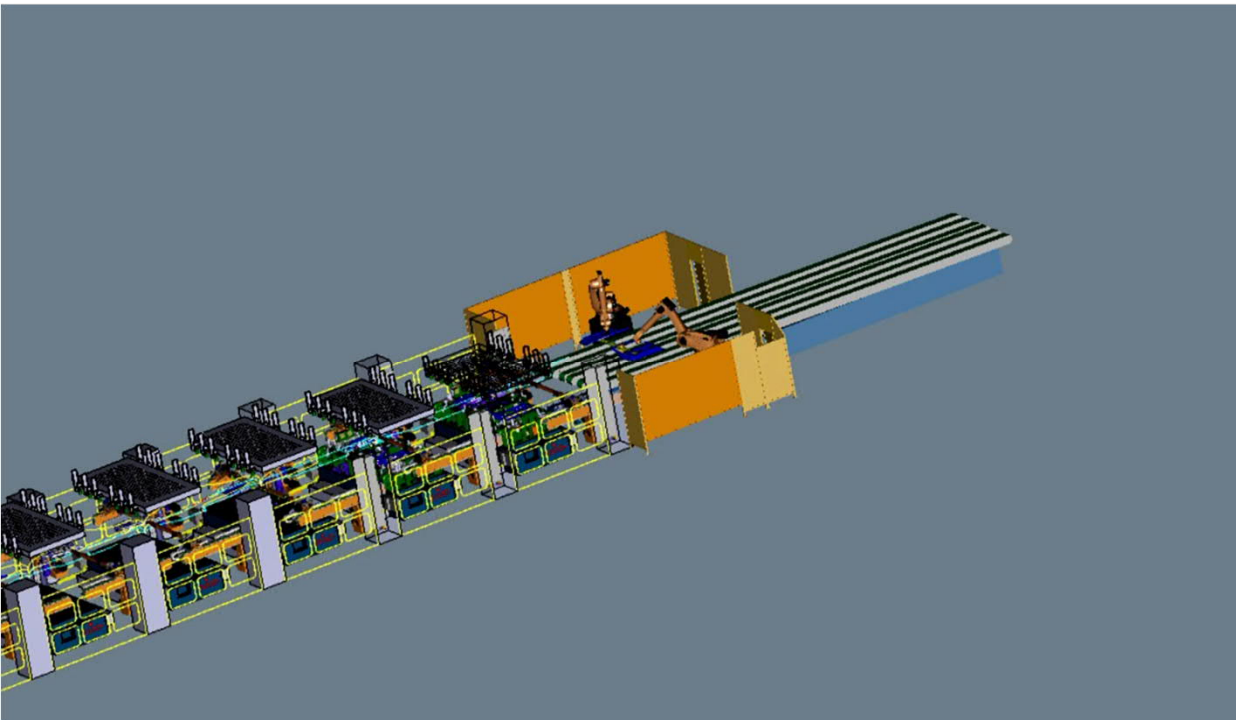


production digitalization: practical implementation and outlook

Alexandre Bonay Managing Partner Siemens Dynamo

use case: producing metal parts

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Ingenuity for life



he challenges of production

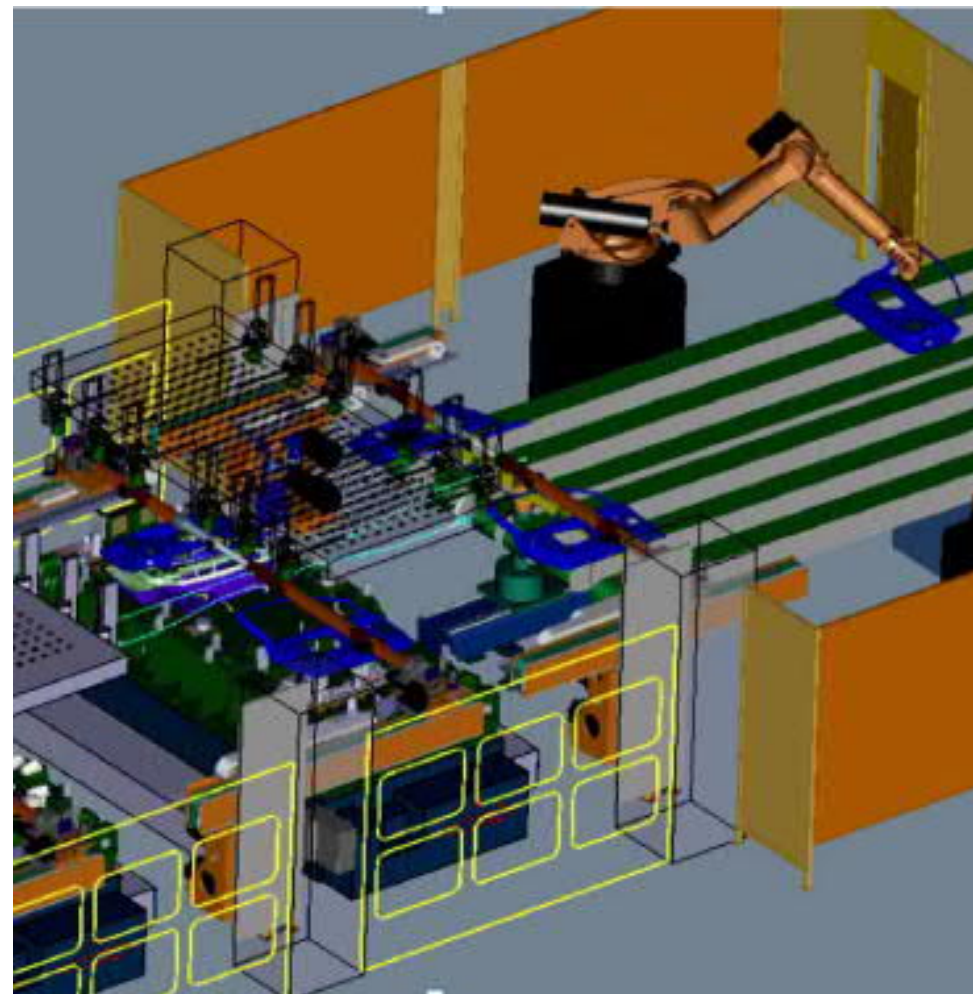
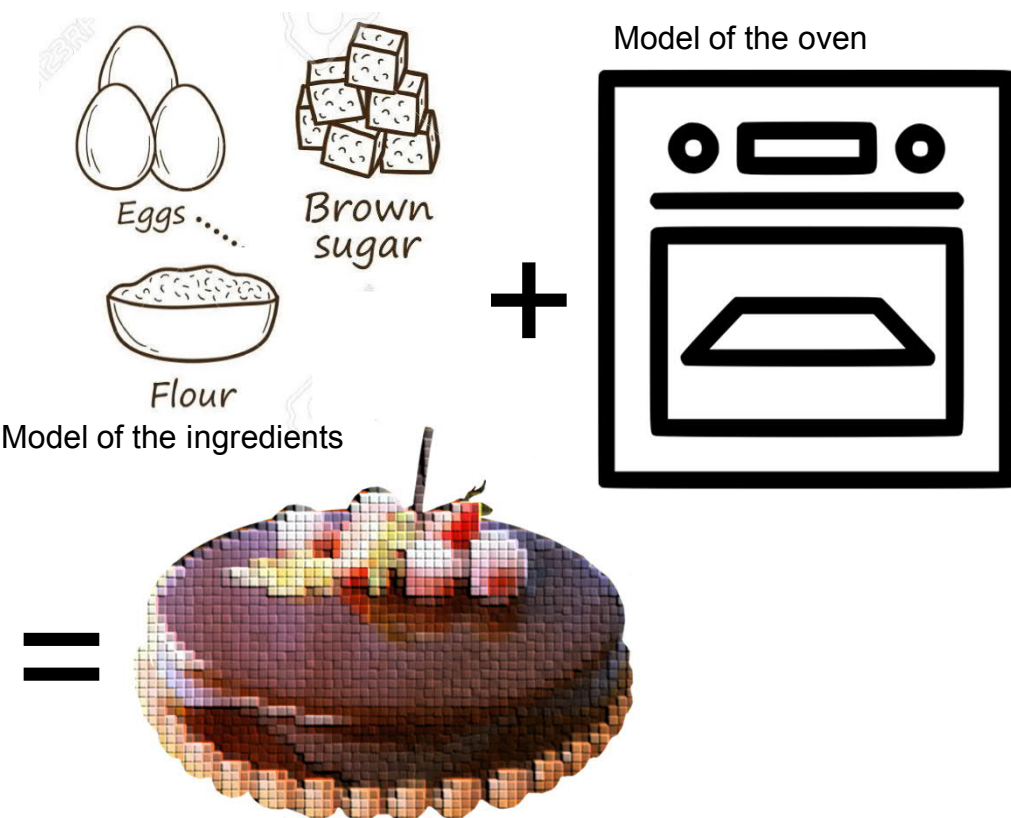
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Digital twins in production processes...

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Ingenuity for Life

Simulation: Proof of concept



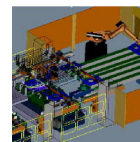
help to find the right balance between quality and productivity

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Quality

Productivity

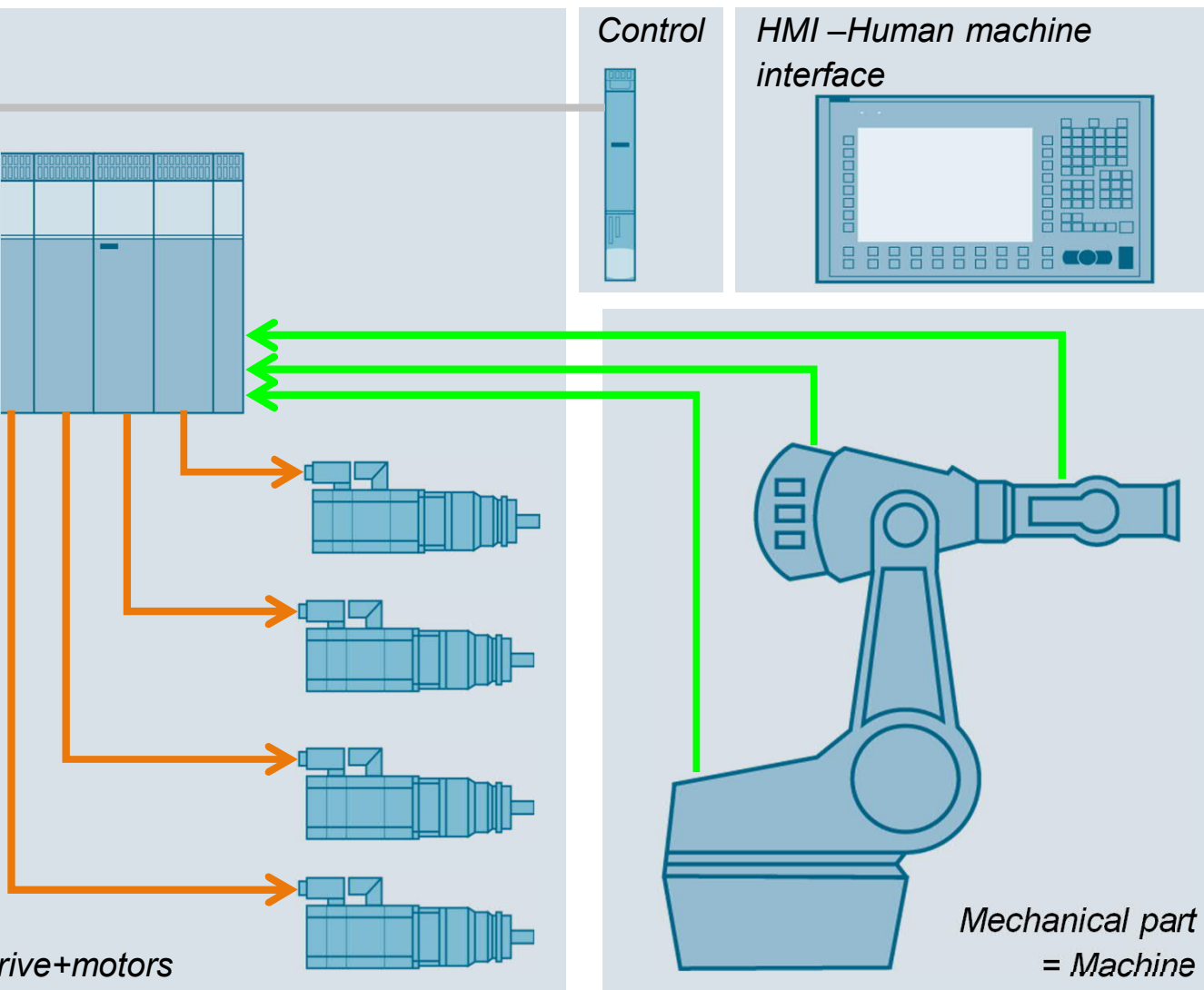


~ 5 %



Industrial automation: muscles and brains

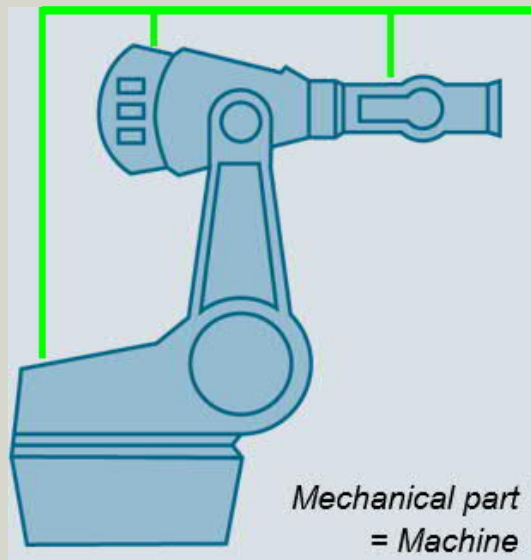
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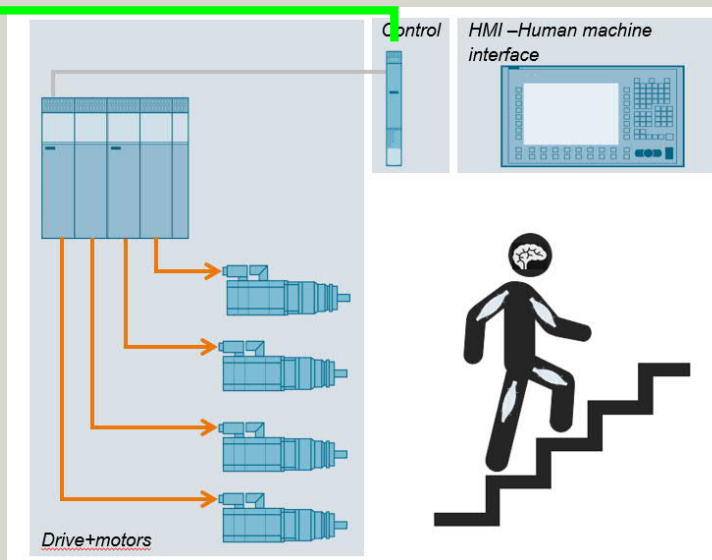
3 different production floors

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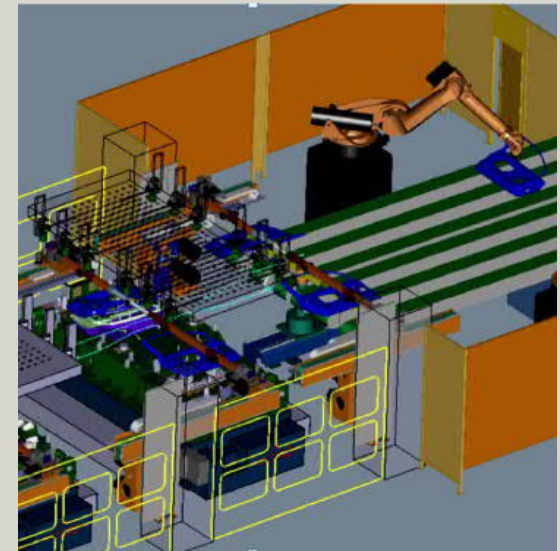
Shop
floor



Control
floor

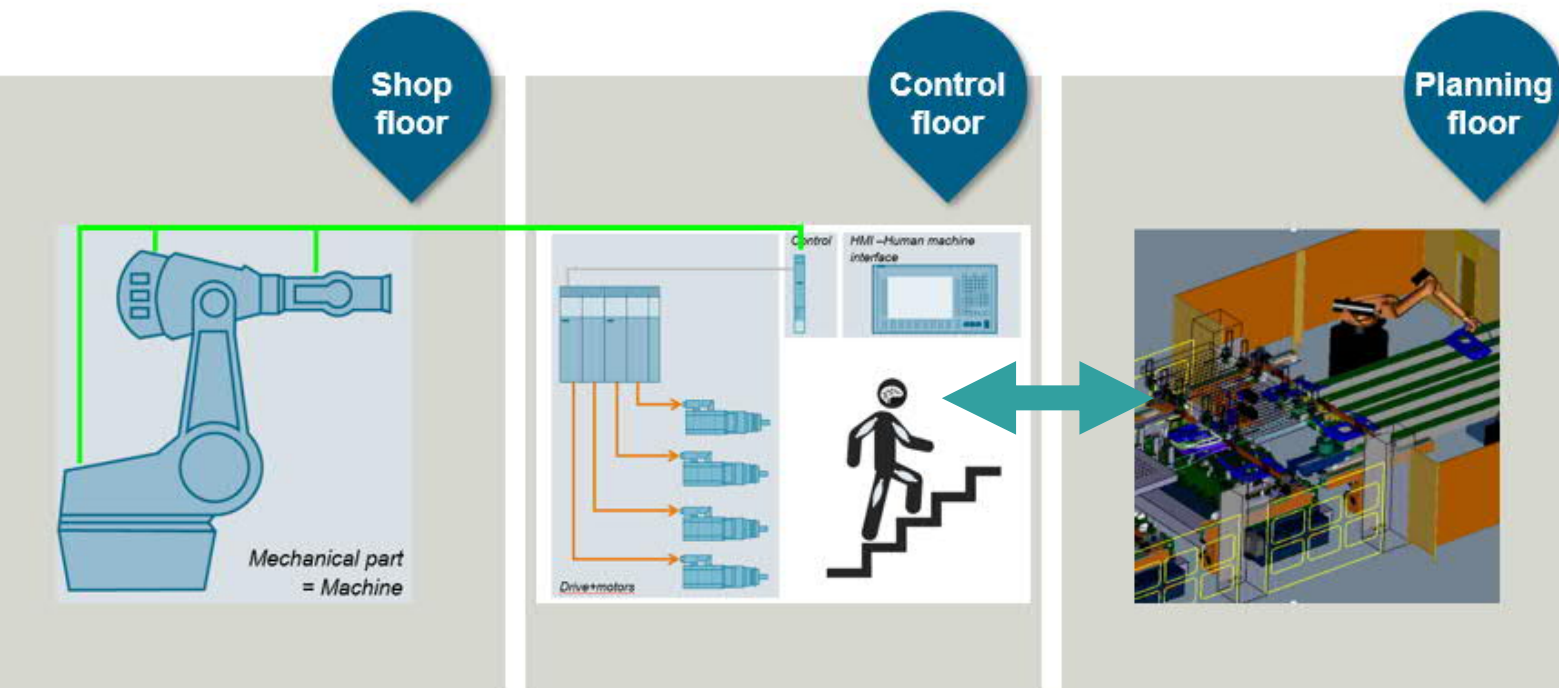


Planning
floor



Digitalization is... connecting control and planning floors

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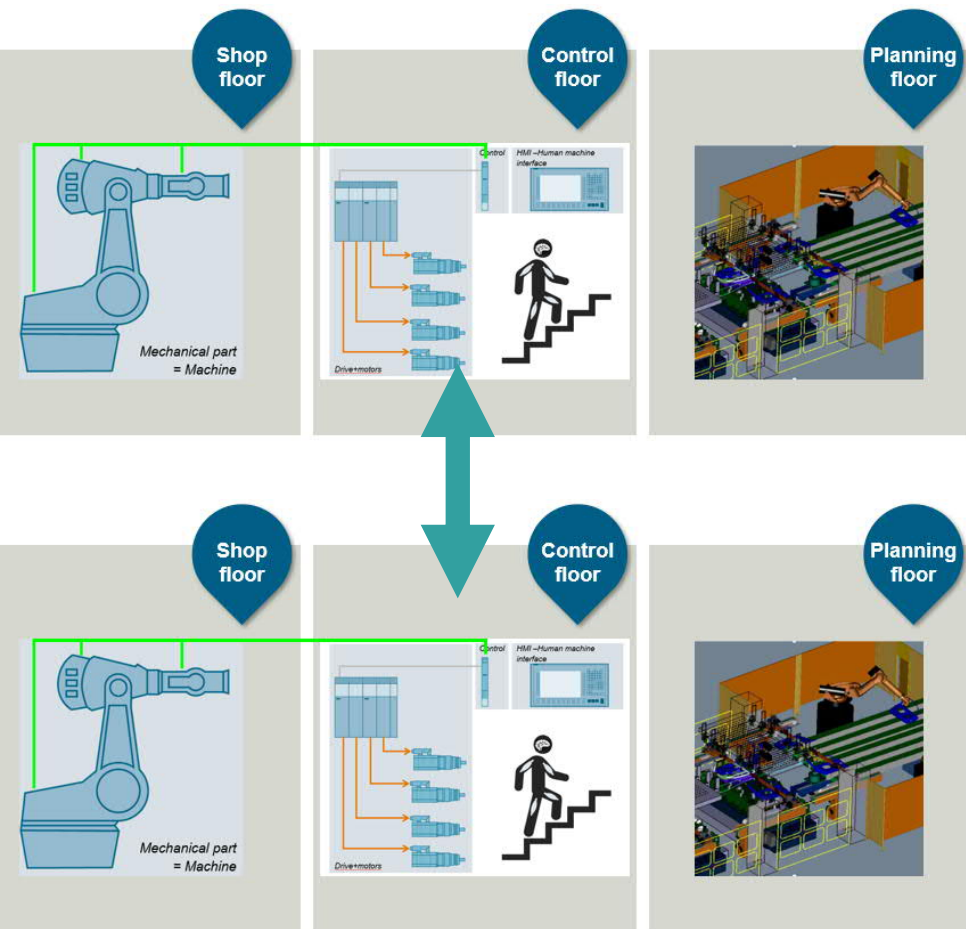
Productivity

~ 10 %



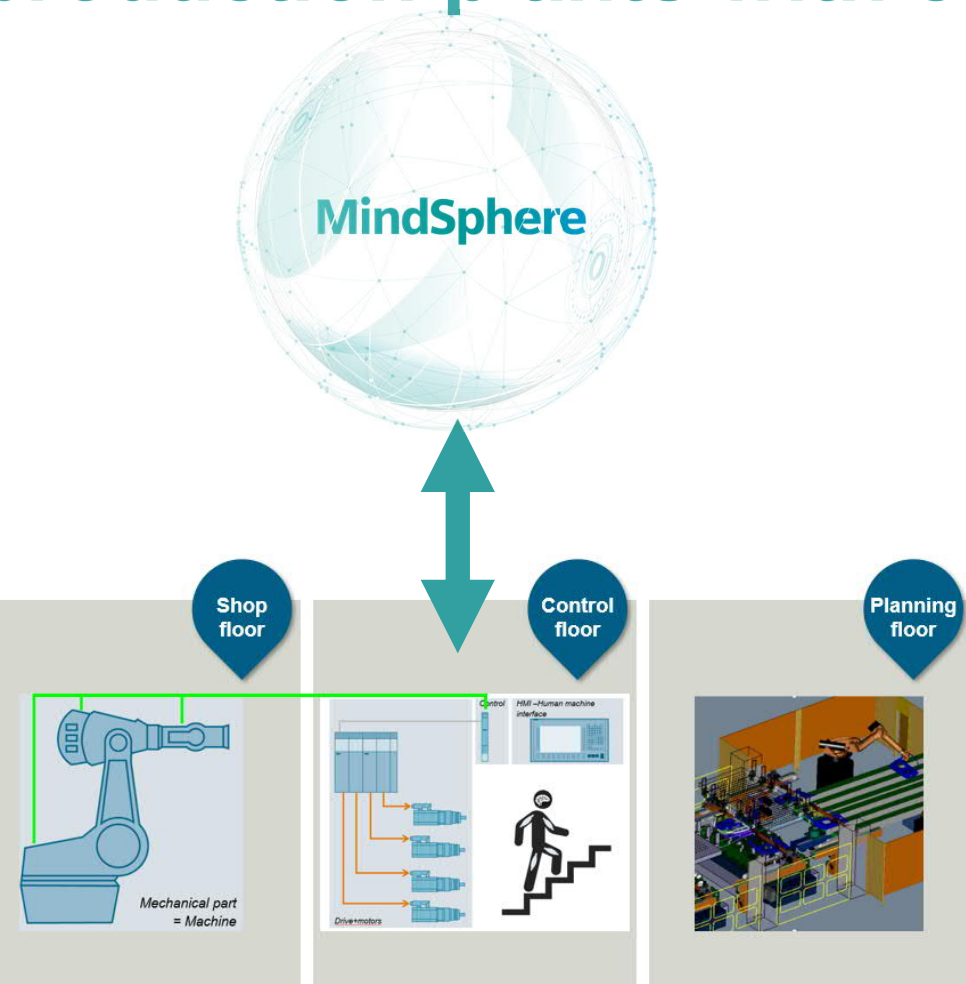
Digitalization is ... connecting production plants together

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Digitalization is... connecting production plants with cloud services, 4th floor

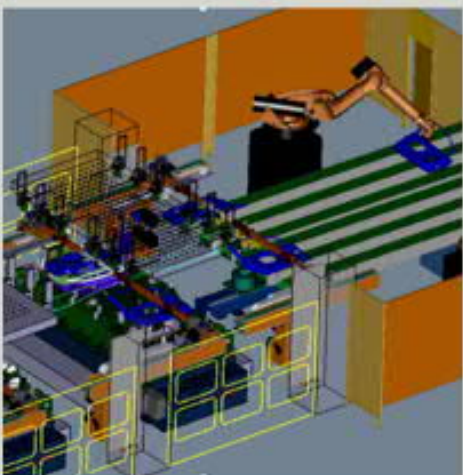
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Digitalization can be... using gaming technologies with industrial SW

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Planning
floor



Quality



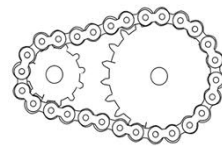
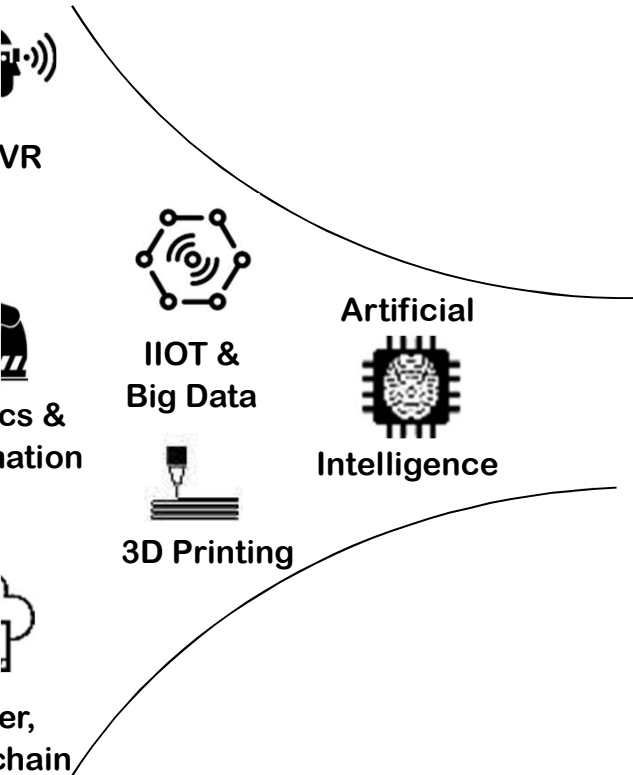
Set up time



DYNAMO...

Injects startups technologies into Siemens

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Ran



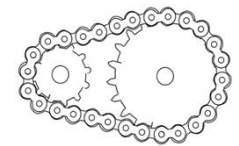
Tali



Haim



Alex



Smart Factory

Alexandre Bonay
Managing Partner Siemens Dynamo

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alexandre.bonay@siemens.com