

10 STATEMENTS ON PRODUCTION AND CONSTRUCTION THEORY

Presentation by
Trond Bølviken
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Aim

- To comment and further develop the theory of production and construction as presented by Lauri Koskela in *An exploration towards a production theory and its applications to construction* (2000)

Industrialised Production of Commodities



Koskela

- Sees production as the production of value through a flow of transformations

This paper

- Sees industrialised production as production of commodities through a flow of transformations
- The commodities are seen as having a dual character, possessing both use-value and exchange value (price)

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Peculiarities as Disadvantages and Advantages



Koskela

- Sees peculiarities as something that characterizes the construction industry
- Sees peculiarities as disadvantages
- Analyses the elimination and mitigation of peculiarities in order to reduce disadvantages

This paper

- Sees peculiarities as something that characterizes any industry
- A specific industry is characterized by its specific peculiarities
- Also sees peculiarities as a potential advantage
- Also advocates strategies where these potential advantages are explored

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Peculiarities of the Construction Industry



Basic peculiarities

- Buildings are fixed to the ground
- Buildings are unique (one-of-a-kind)
- Buildings are expensive
- Buildings have big public interest
- Construction is projects
- Construction is a complex process
- Construction takes time and buildings last long

Non-basic peculiarities

- Temporary organisation
- The different trades
- Laws and regulations regarding real estate property
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Understanding the Commercial Dimensions



- Industrialised production as production of commodities through a flow of transformations
- The commodities having dual character, possessing both use-value and exchange value (price)



- A better understanding also of the commercial dimensions of construction

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From a Follower- to a Lead Position



- How to eliminate peculiarities to avoid disadvantages
- How to mitigate peculiarities to avoid disadvantages
- How to use peculiarities to gain advantages



- The construction industry can move from a follower- to a lead-position in parts of the industrial development