

Collaborative Planning in Design

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WHO, WHAT, WHERE IS VEIDEKKE?

- + Norway's largest and Scandinavia's fourth-largest contractor and property developer
- + 8,000 competent employees in three countries
- + Annual revenue of NOK 31.6 bn. (2017)

NON-RESIDENTIAL
BUILDINGS

33 %

RESIDENTIAL
BUILDINGS

25 %

CIVIL ENGINEERING
OPERATIONS

27 %

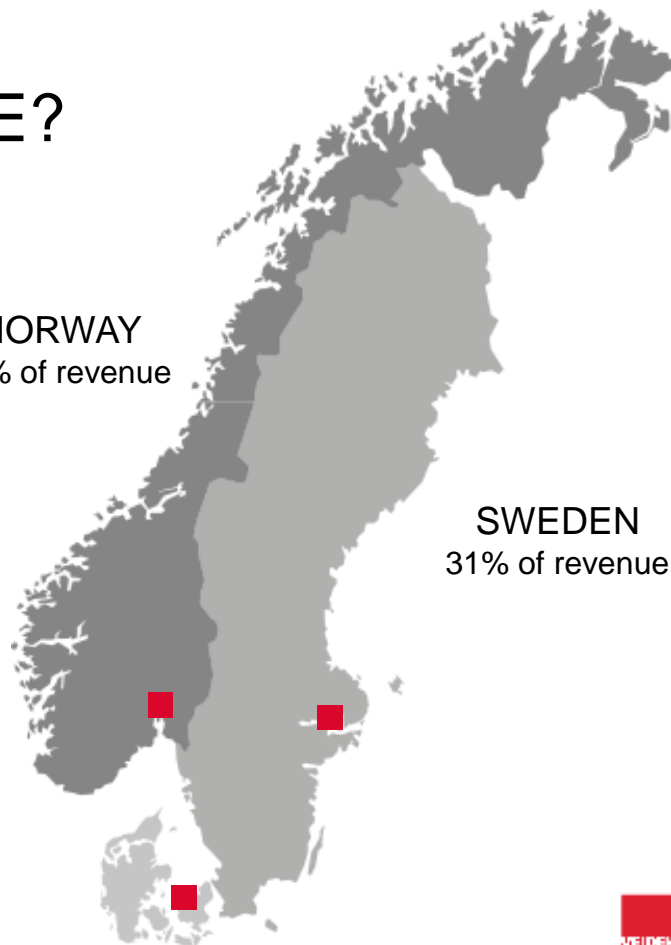
INDUSTRIAL
OPERATIONS

15 %

NORWAY
62% of revenue

SWEDEN
31% of revenue

DENMARK
7% of revenue



COLLABORATIVE PLANNING IN DESIGN



The Start-up process



Planning



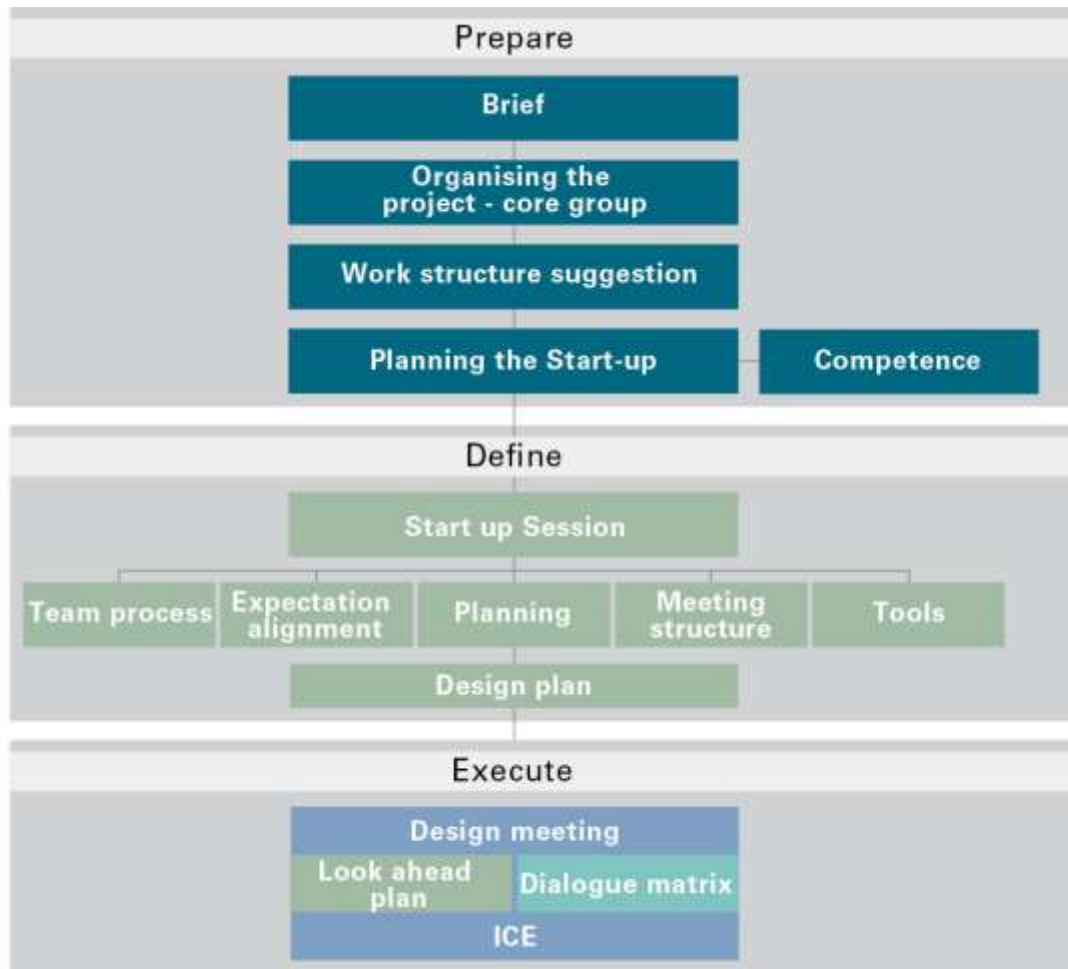
Work and meeting
structure



Constraint analysis

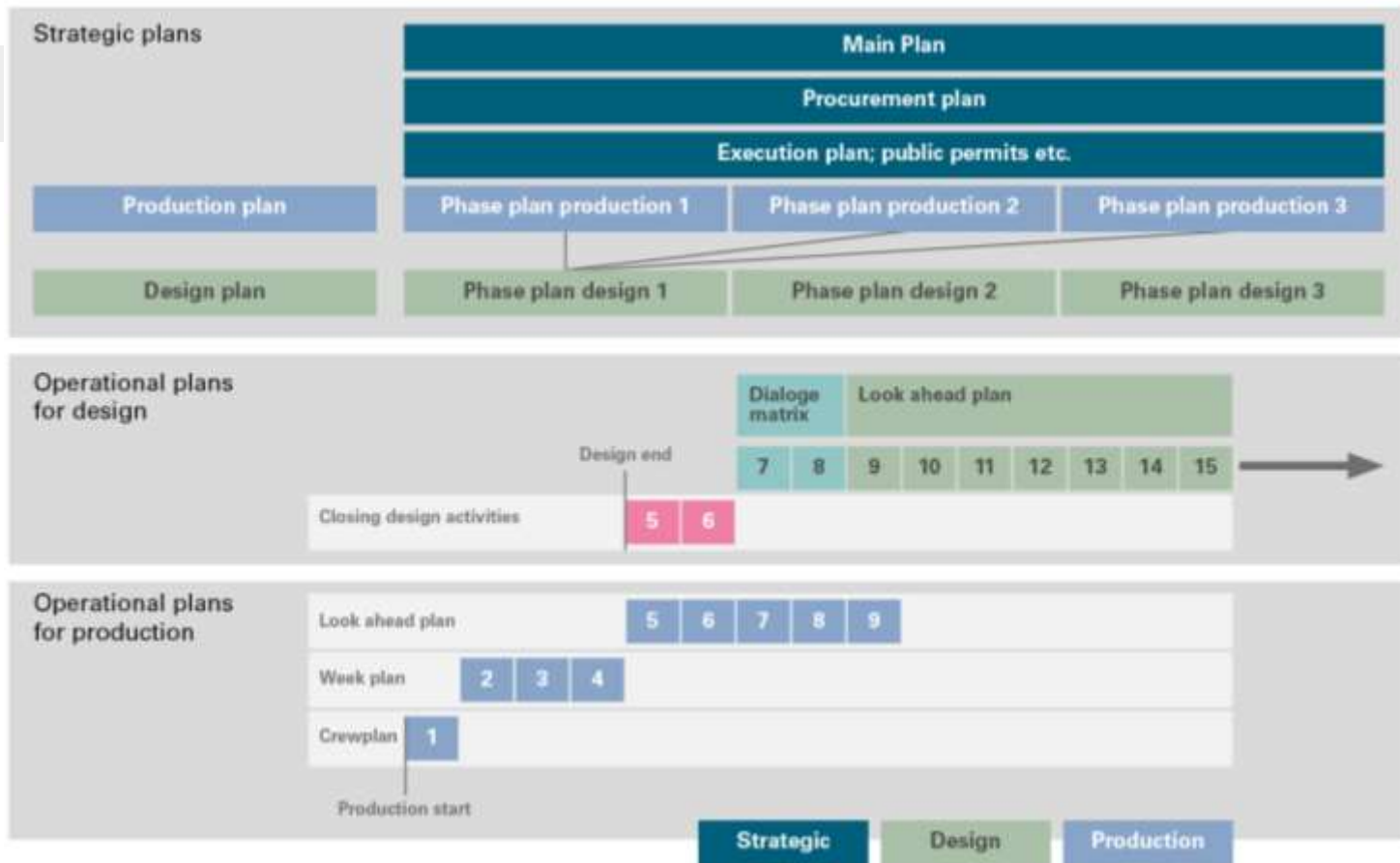


The Start-up process



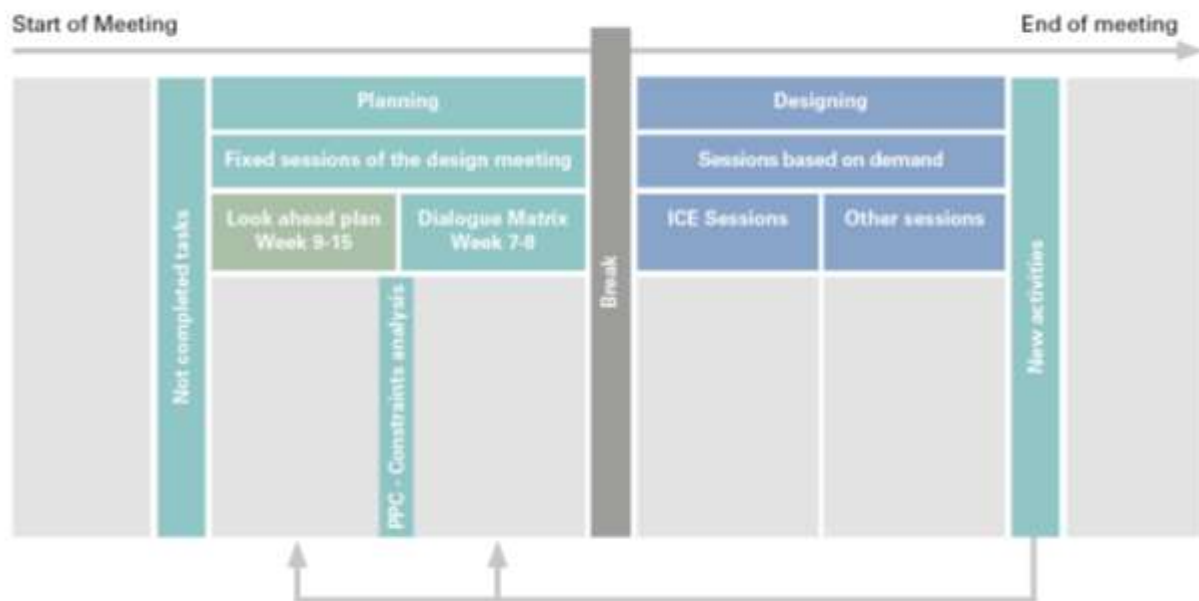


Planning



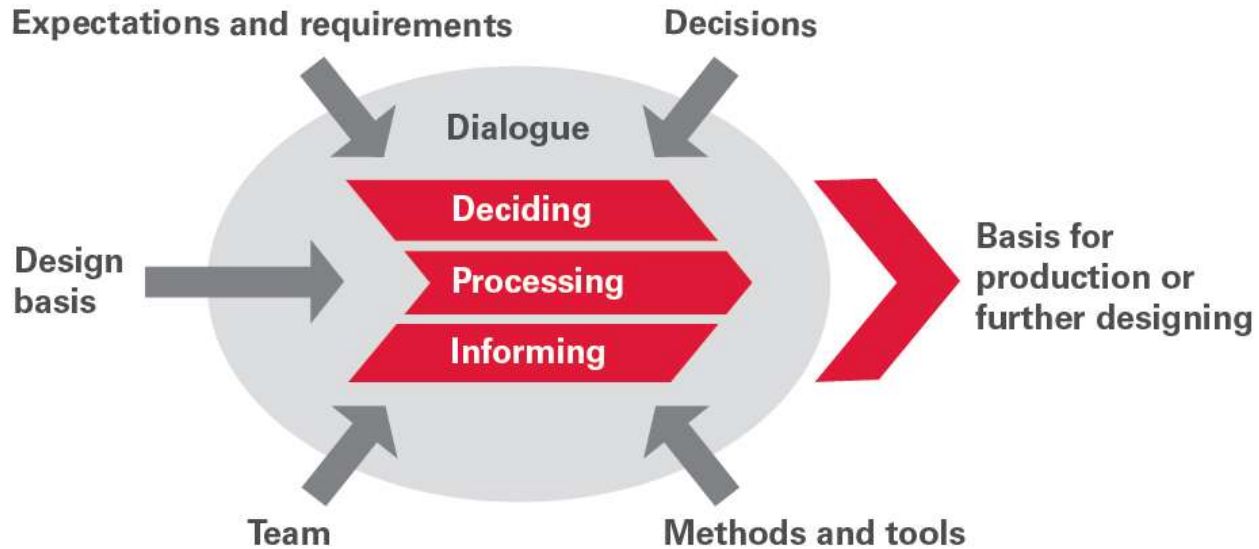


Work and meeting structure





Constraint analysis



SOME THEORETICAL FOUNDATIONS

1. Both design and production are value creating processes consisting of transformations and flows
Koskela (2000): An Exploration Towards a Production Theory and its Application to Construction
2. Both design and production can be managed through the Last Planner System
Ballard (2000): The Last Planner System of Production Control
3. There can be pooled, sequential and reciprocal interdependences between tasks
Thompson (1967): Organizations in Action
4. Both design and production are logistical, economical and social processes
Andersen, Bølviken, Dammerud, Skinnarland (2008): Approaching Construction as a Logistical, Economical and Social Process
5. Dialog is a precondition for design
Bølviken; Gullbrekken, Nyseth (2010): Collaborative Design Management