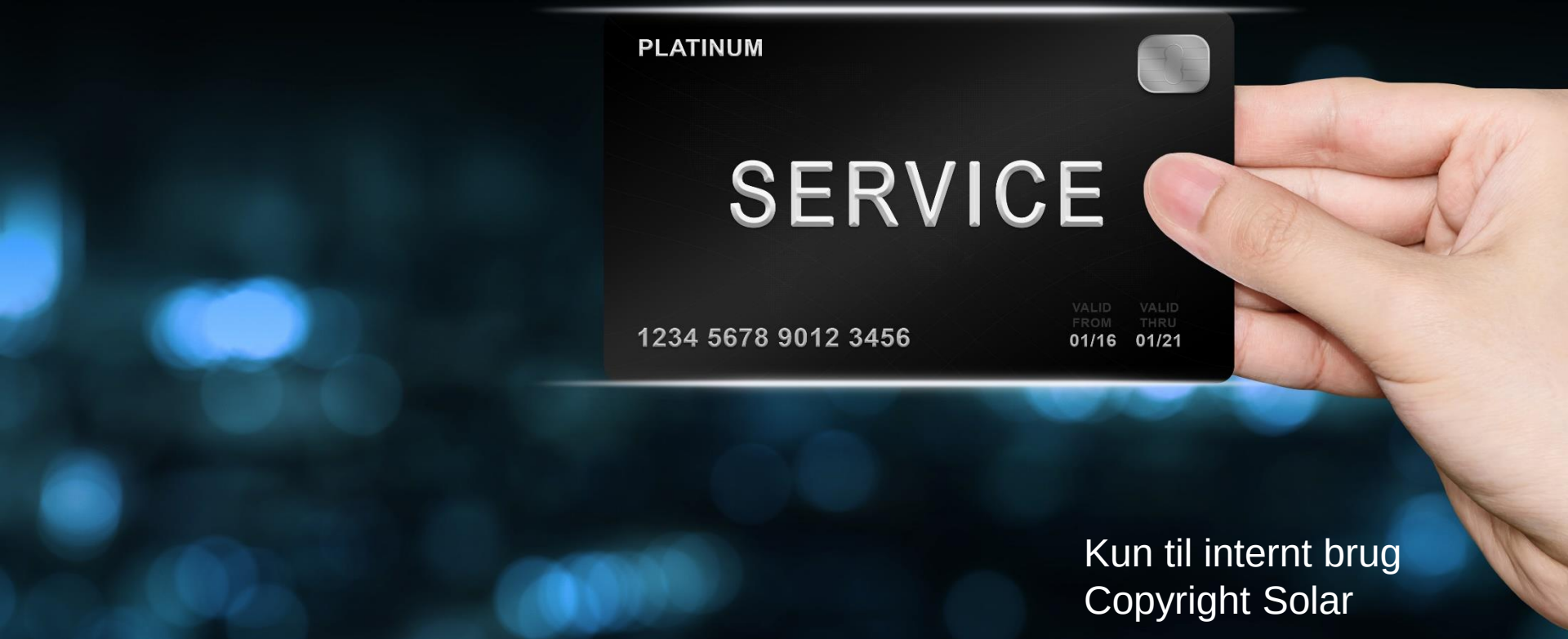
Solar - en førende Europæisk sourcing og services virksomhed!

11:15-12:00
Indlæg fra værterne SOLAR A/S, hvordan håndterer de digitaliseringen? Hvilket fremtidsbillede arbejder de hen i mod?



Kun til internt brug
Copyright Solar

Solar Group

1919
Founded in 1919

1953
Listed on the stock exchange since 1953

DKK 11.1bn
DKK 11.1bn in revenue and EBITA of DKK 295m in 2017

Customers
A lot of close customer relationships in our markets

>50%
E-business share

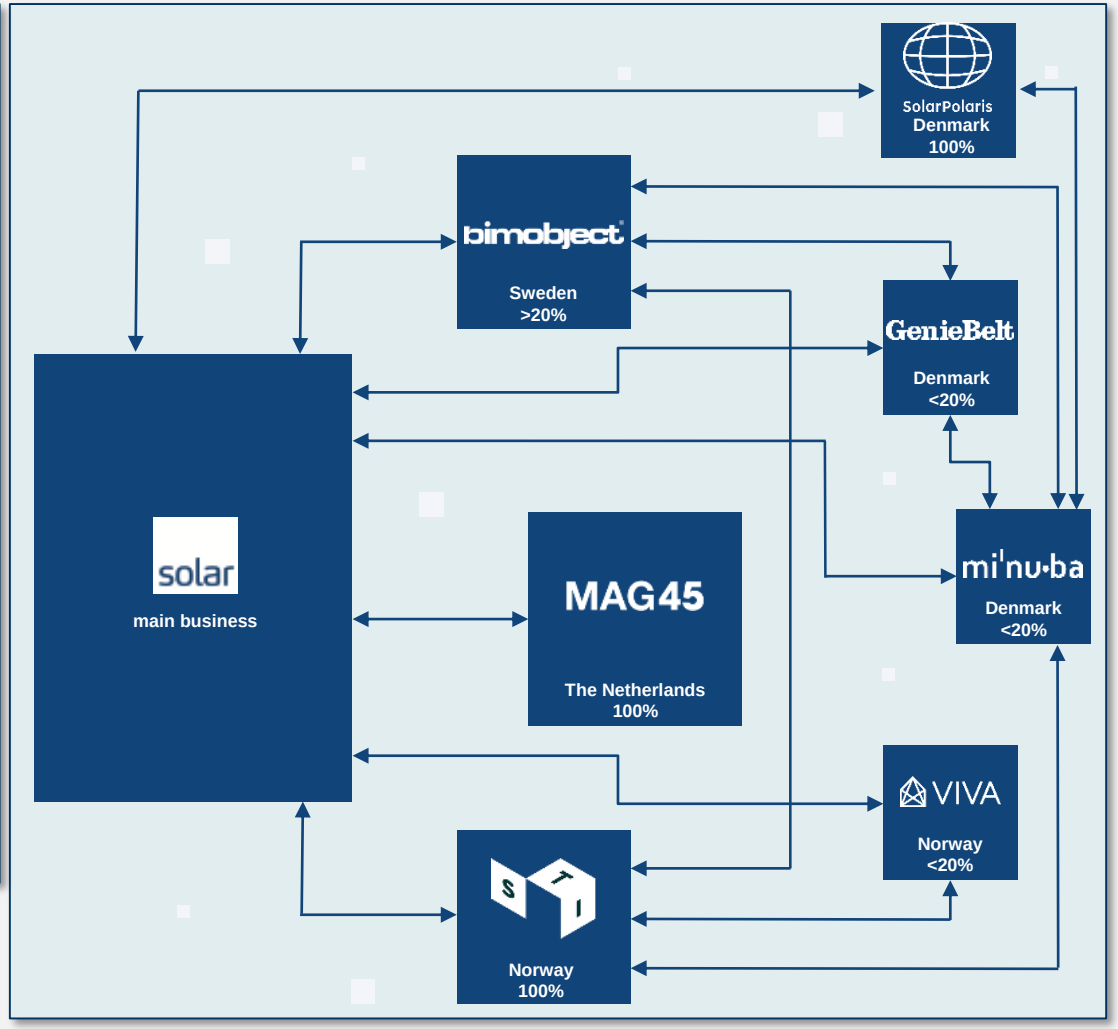
Warehouses
Strategically placed central warehouses

215,000
Approximately 215,000 articles in stock

3,000
Approximately 3,000 people

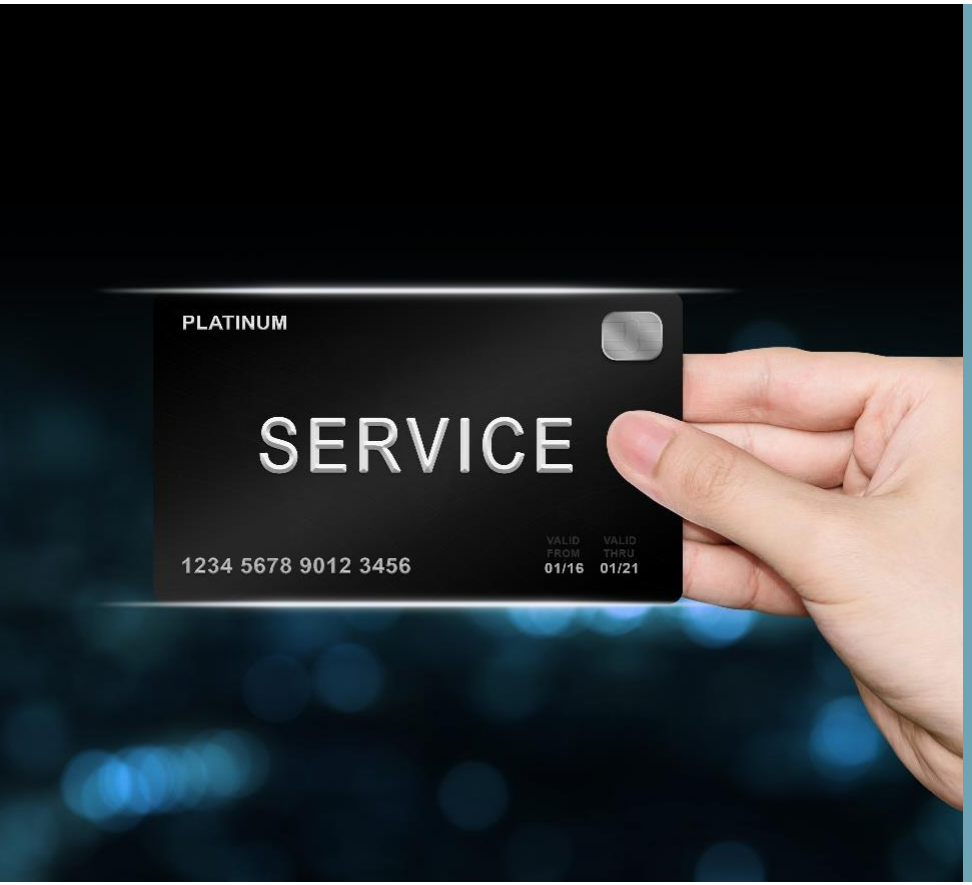
Solar family – digital platforms

- We support the development of the associated company through full or partial ownership.
- We create common value by sharing knowledge and competences from our main business to the associated business.
- We create common value by sharing knowledge and competences between the associated businesses.
- We create common value by sharing knowledge and competences from the associated business to our main business.



Note: most companies also have subsidiaries

Solar Services – gør vores kunder til vindere!



Ser på kundernes udfordringer i hverdagen

Hvad kan vi tilbyde?

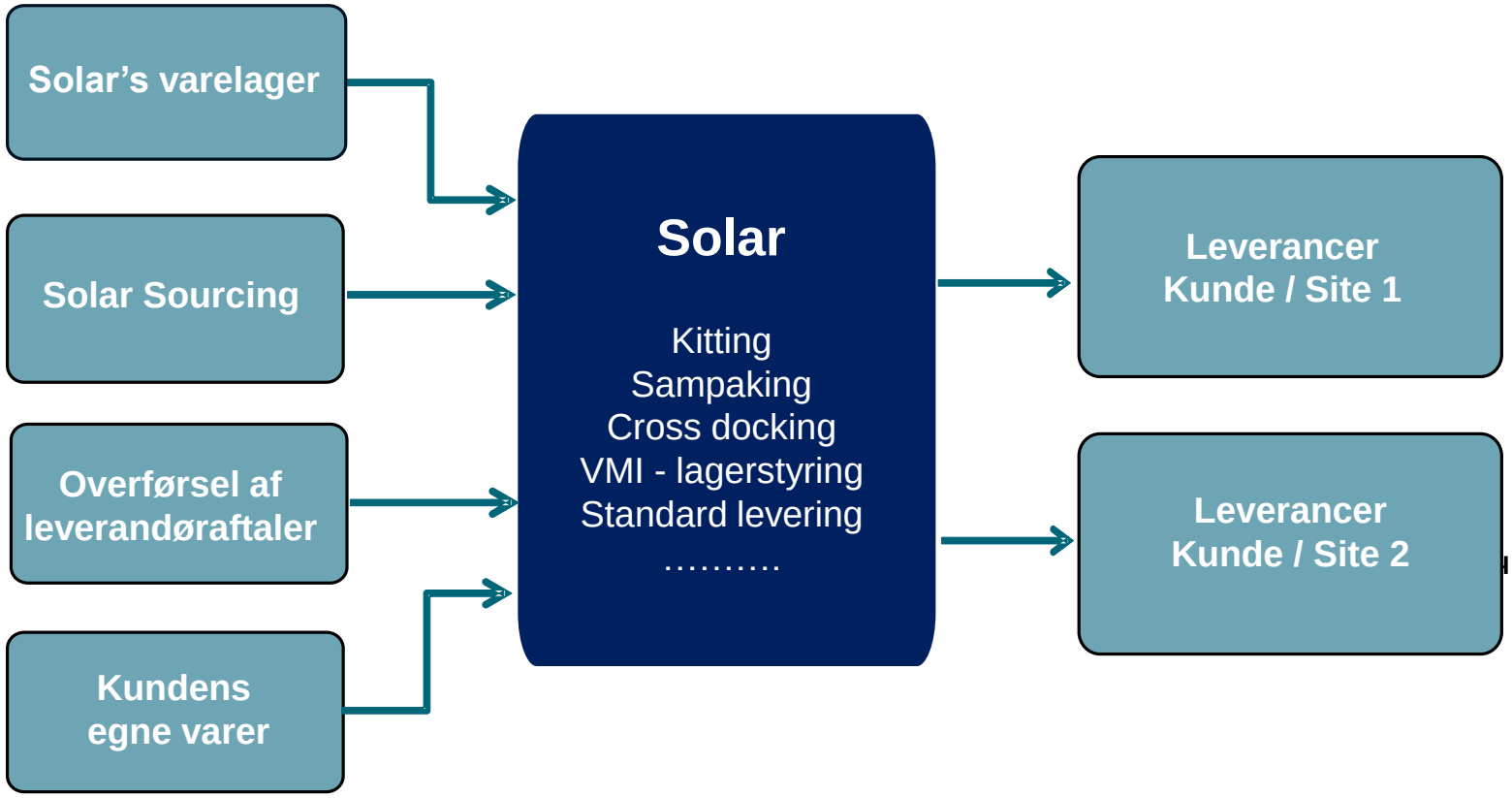
- Lagerstyring - VMI
- Kitting
- Projektlogistik
- Fastbox
- Vendingmaskiner

Kunderne opnår

- TCO besparelser – gennem reduceret tid brugt på koordinering, indkøb, logistik og varemodtagelse mm

Værdiskabende services

Mange mulige samarbejdsformer



Sourcing & Services

Solar BIM

DETF - generalforsamling & medlemsmøde

19.04.2018

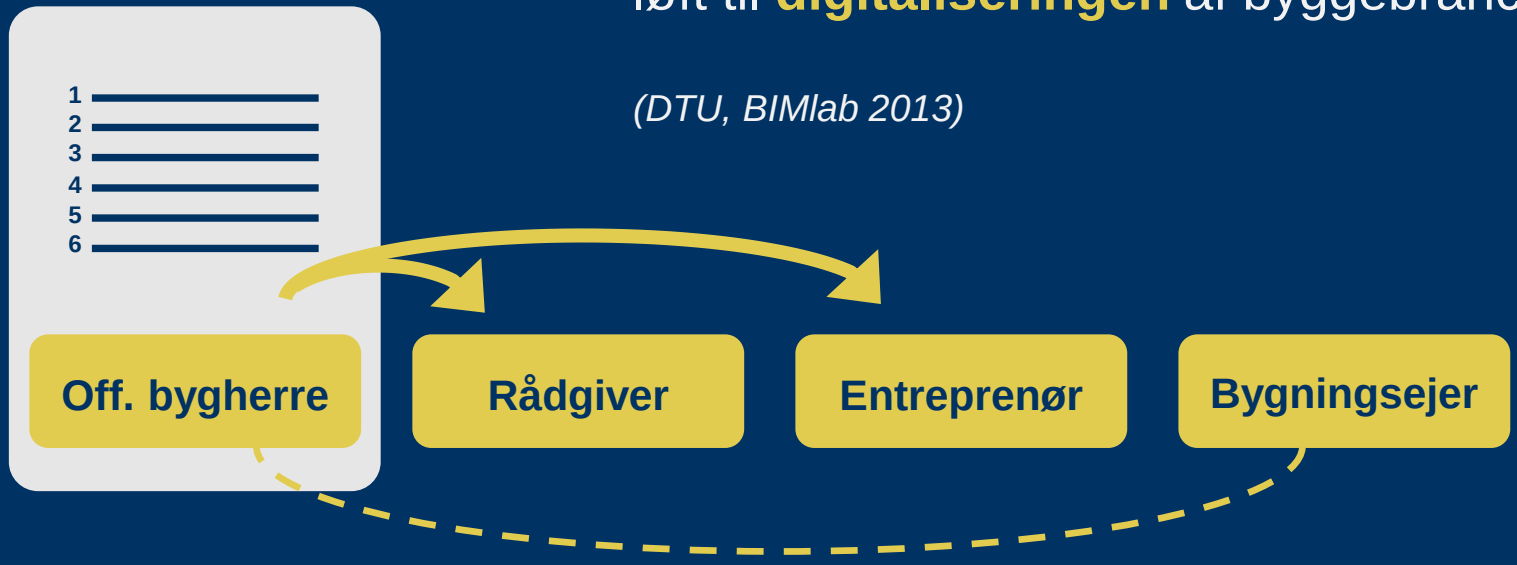
v. Allan Rasmussen, BIM Project Manager Solar.

Det Digitale Byggeri

> Hensigten er, at brugen af disse **redskaber og metoder** skal smitte af på resten af branchen, således at målet om, at **højne effektiviteten og kvaliteten** af byggeriet i Danmark opnås.

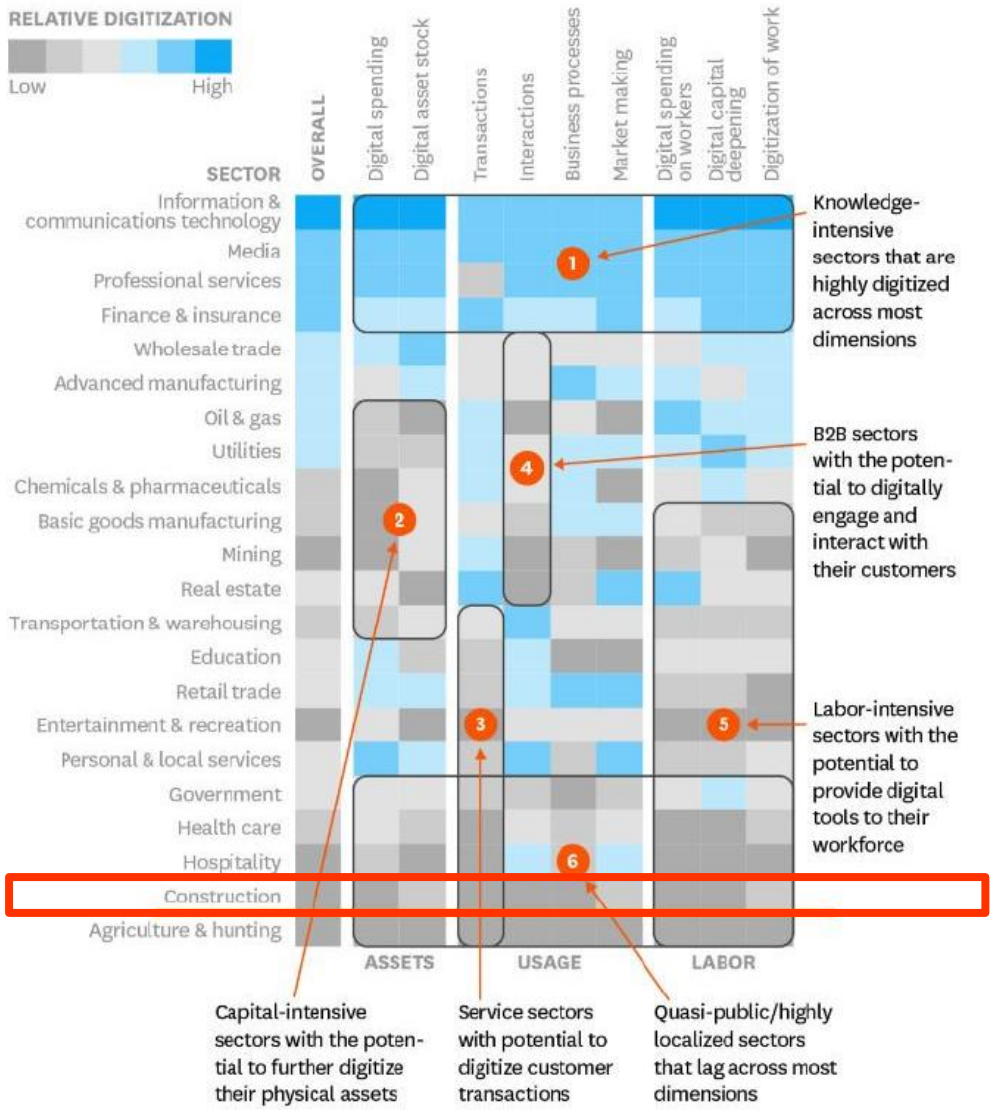
Det Digitale Byggeri's krav, har i høj grad givet et løft til **digitaliseringen** af byggebranchen.

(DTU, BIMlab 2013)

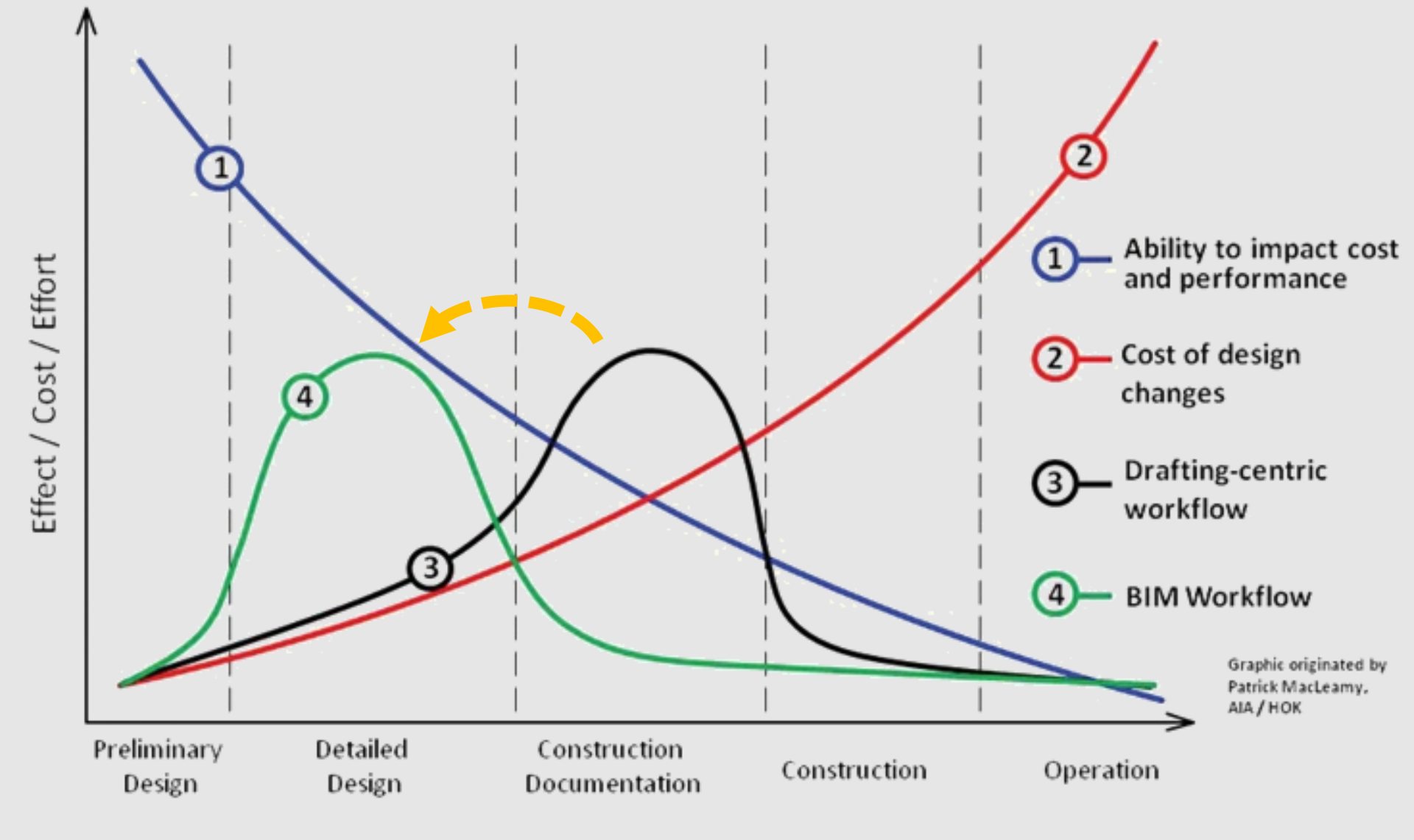


Det Digitale Byggeri

Digitalisering fordelt pr sektor



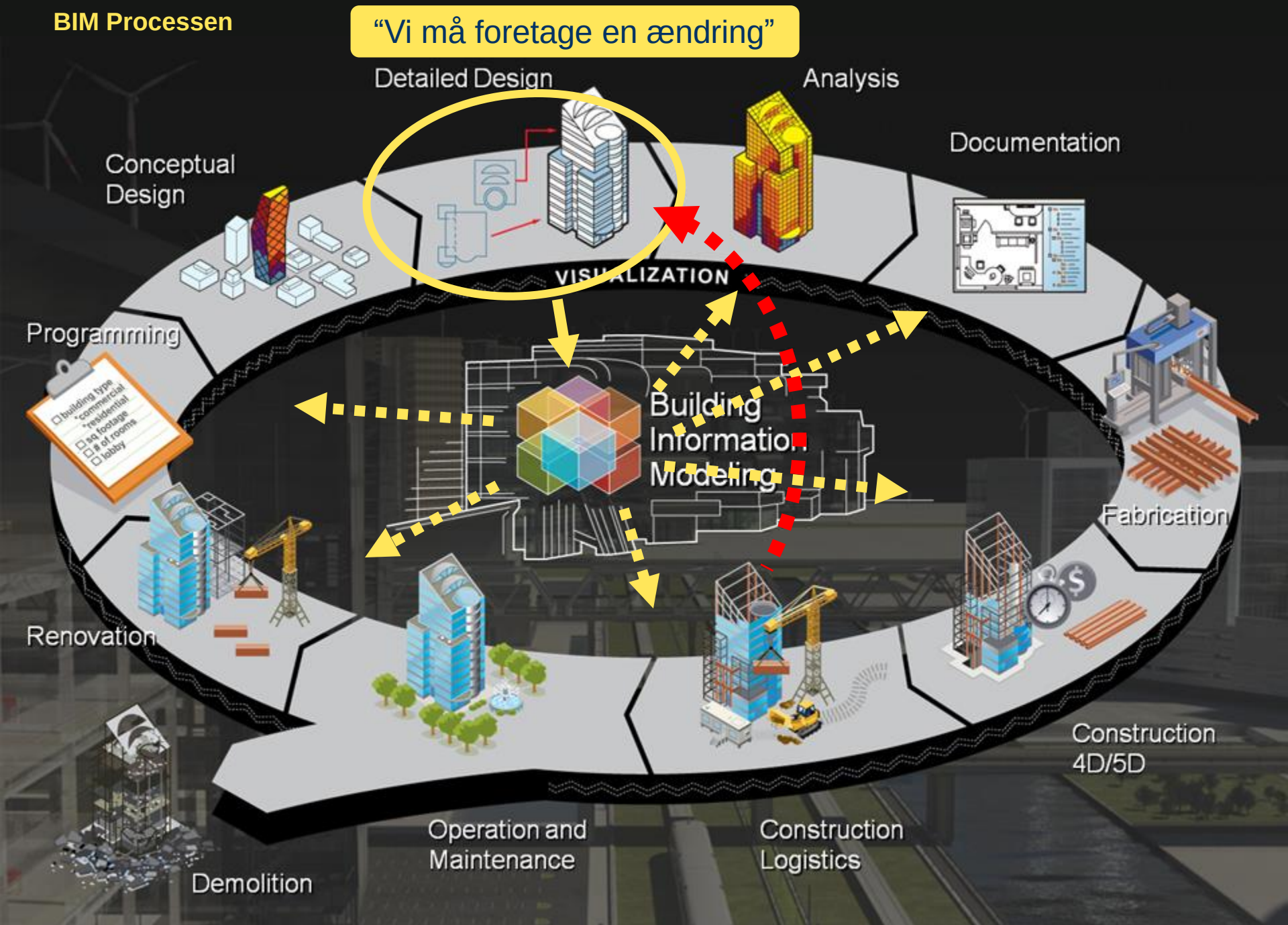
BIM transformation



Hvad er BIM?

Building Information Modelling = Samarbejdsproces

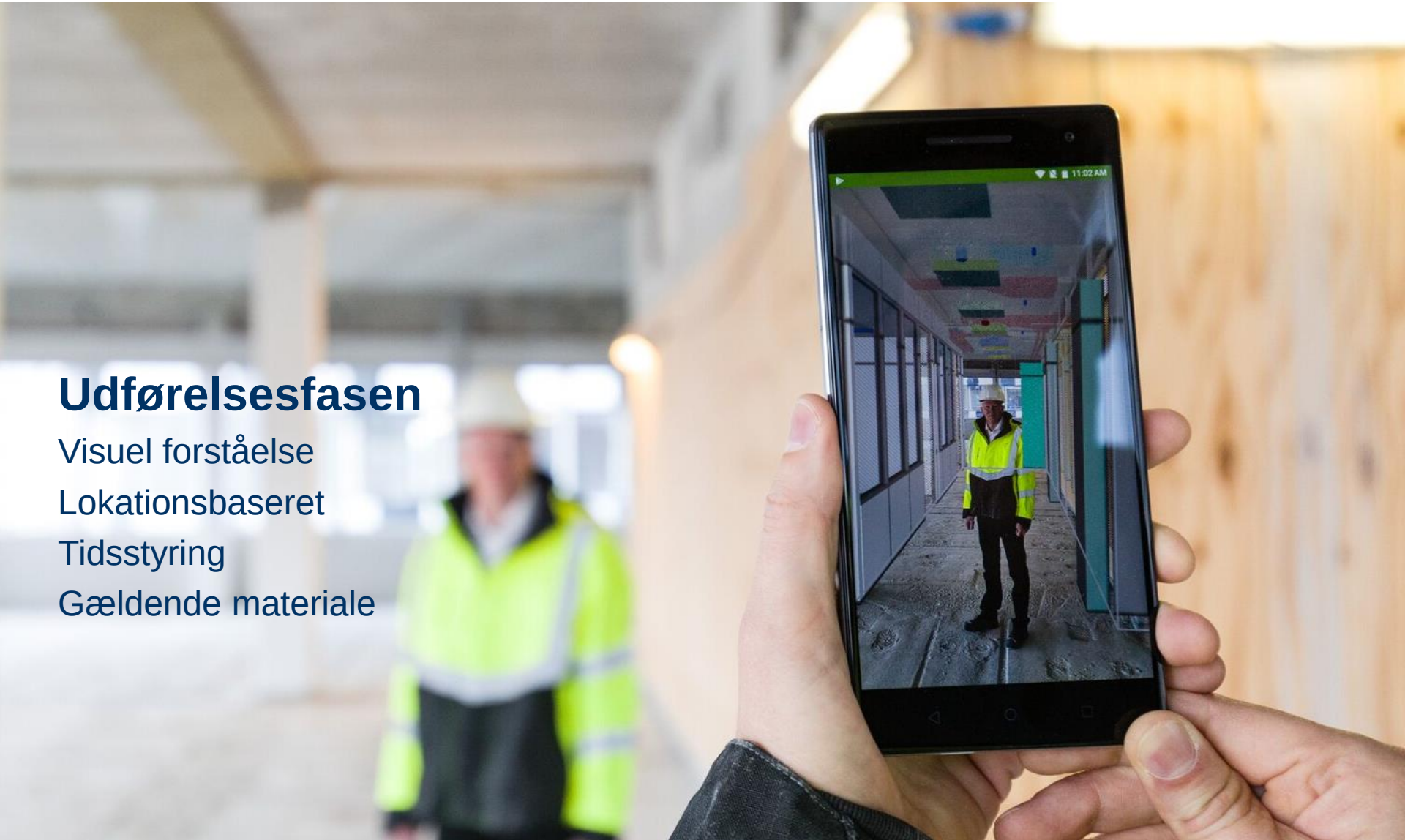
BIM Processen



Transformation

Transformation

fremtidsbillede



Udførelsesfasen

Visuel forståelse

Lokationsbaseret

Tidsstyring

Gældende materiale

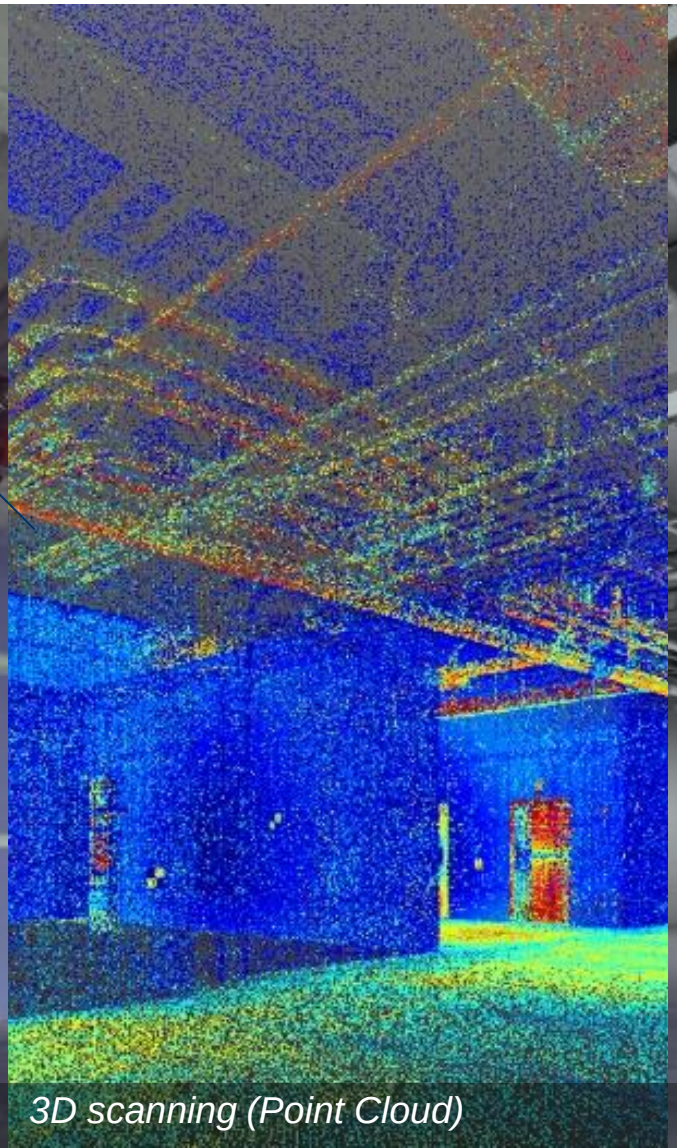
Udførelsesfasen

Tjek af udført arbejde

Overholdelse af tidsplan

Digitalt tilsyn

Virkelighed



3D scanning (Point Cloud)

3D model (BIM)

Vedligehold

Vejledning
Lokalisering
Reservedele

Konstruktion

BIM USE	Frequency	Rank	Benefit	Rank
	%	1 to 25	-2 to +2	1 to 25
3D Coordination	60%	1	1.60	1
Design Reviews	54%	2	1.37	2
Design			1.03	7
Constru			1.09	6
Existing			1.16	3
3D Cont			1.10	5
Progran			0.97	9
Phase P			1.15	4
Record			0.89	14
Site Uti			0.99	8
Site Ana			0.85	17
Structu			0.92	13
Energy			0.92	11
Cost Est			0.92	12
Sustain			0.93	10
Building			0.86	16
Space M			0.78	18
Mechar			0.67	21
Code Va			0.77	19
Lighting			0.73	20
Other E			0.59	22
Digital			0.89	15
Asset M			0.47	23
Building Maint. Scheduling	5%	24	0.42	24
Disaster Planning	4%	25	0.26	25

Spørgsmål?

BIM
gevinster og fremtid

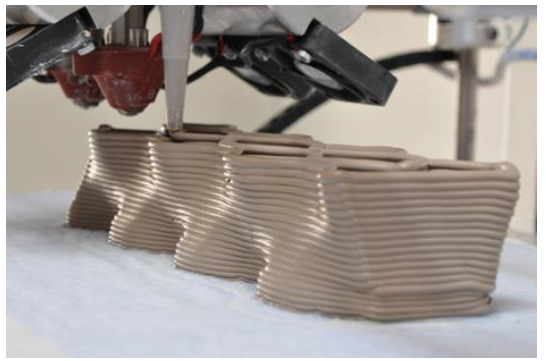
solar

3D printede bygninger

På pladsen

Specialproduktion

Superoptimerede elementer



BIM
gevinster og fremtid

solar

3D print stål

Kanaler

Rør

Kabelbakker