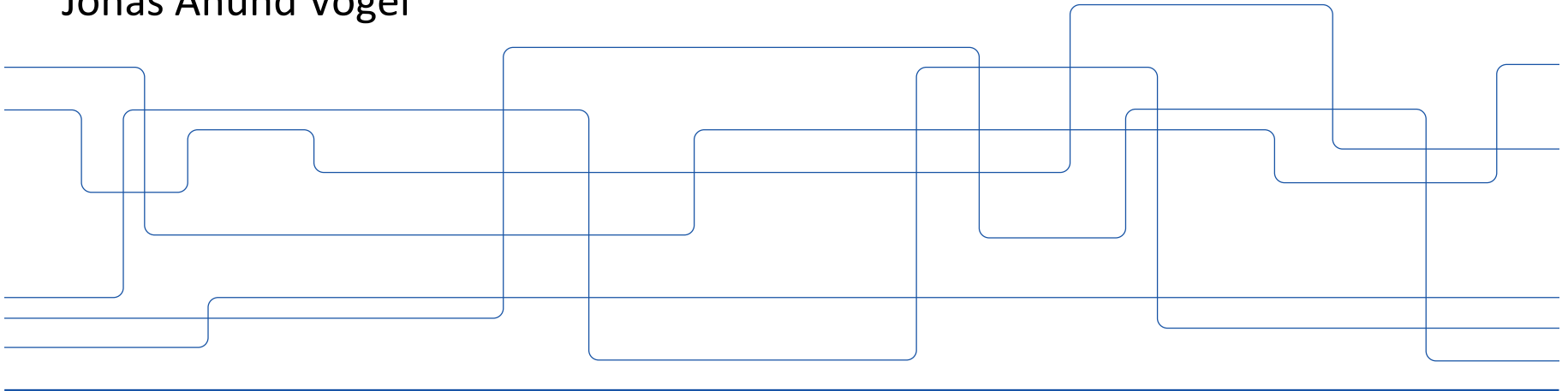




Dig-It Lab

Sustainable buildings through digitalization

Jonas Anund Vogel





96%

OF DATA
GOES UNUSED

90%

OF DATA GENERATED
IS UNSTRUCTURED

ACCELERATING THE JOURNEY
FROM DATA TO IMPACT

Dig-It Lab

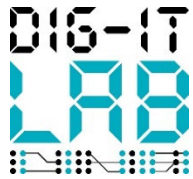
LOWERING ENERGY USE
AND CO2 EMISSIONS

Buildings in the EU are responsible for:

- **40 percent of energy use**
- **36% of GHG emissions**

inclusive of construction and operation.

Decarbonizing the sector is crucial to achieving the commitments made under the Paris Agreement and the United Nations Sustainable Development Goals. When done right, decarbonization not only addresses global environmental challenges, but also contributes to cost savings, social equity, tenant and employee health and well-being.



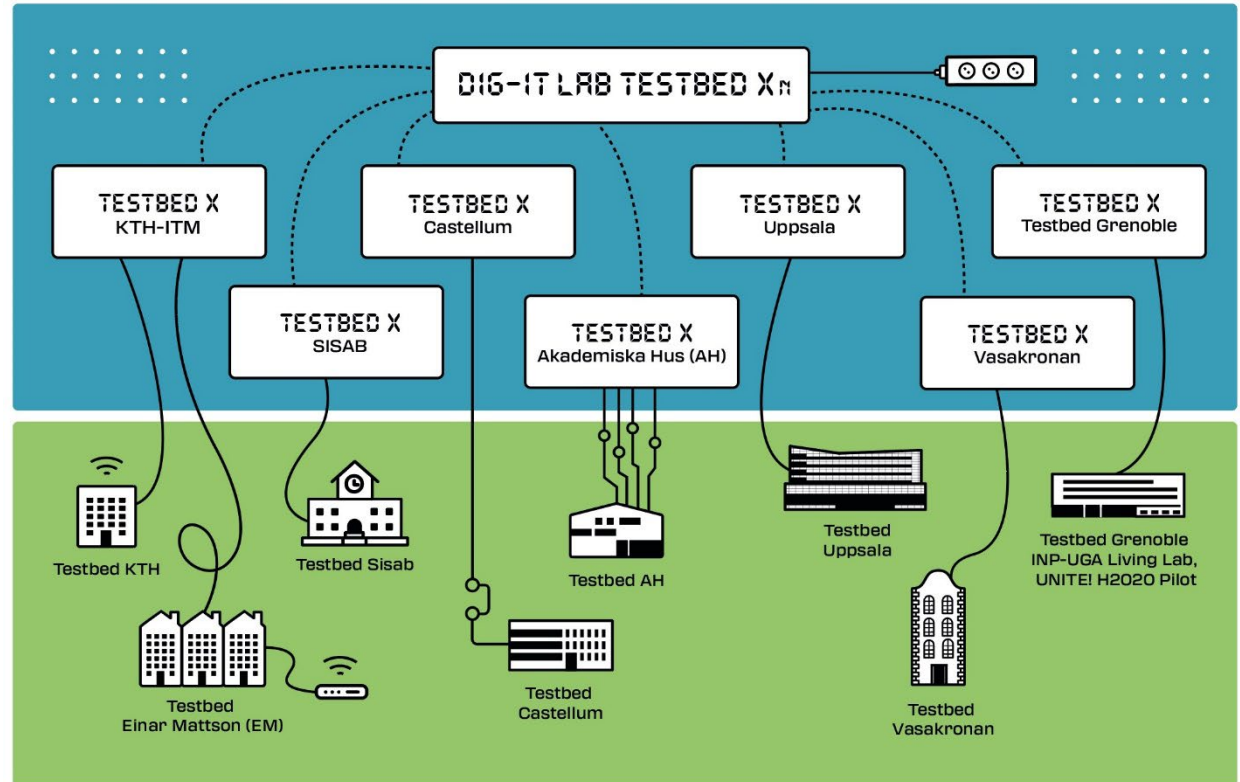
Competence Centre for Sustainable built environment

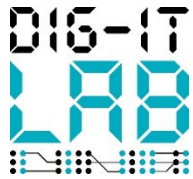
We enable lower energy use and CO2 emissions

This through collaboration and shared digital infrastructure.

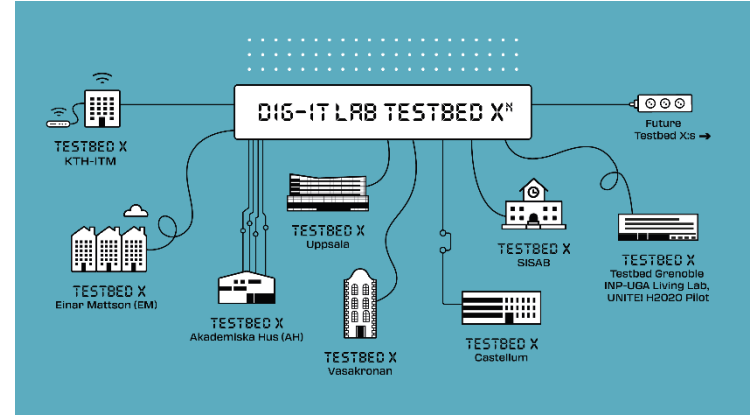
Enable upscaling and sustainable construction and real estate industry

Accelerated innovation





Accelerating Sustainable Industry Dig-IT Lab



Vasakronan



Fastighetsbranschens
UTBILDNINGSNÄMND



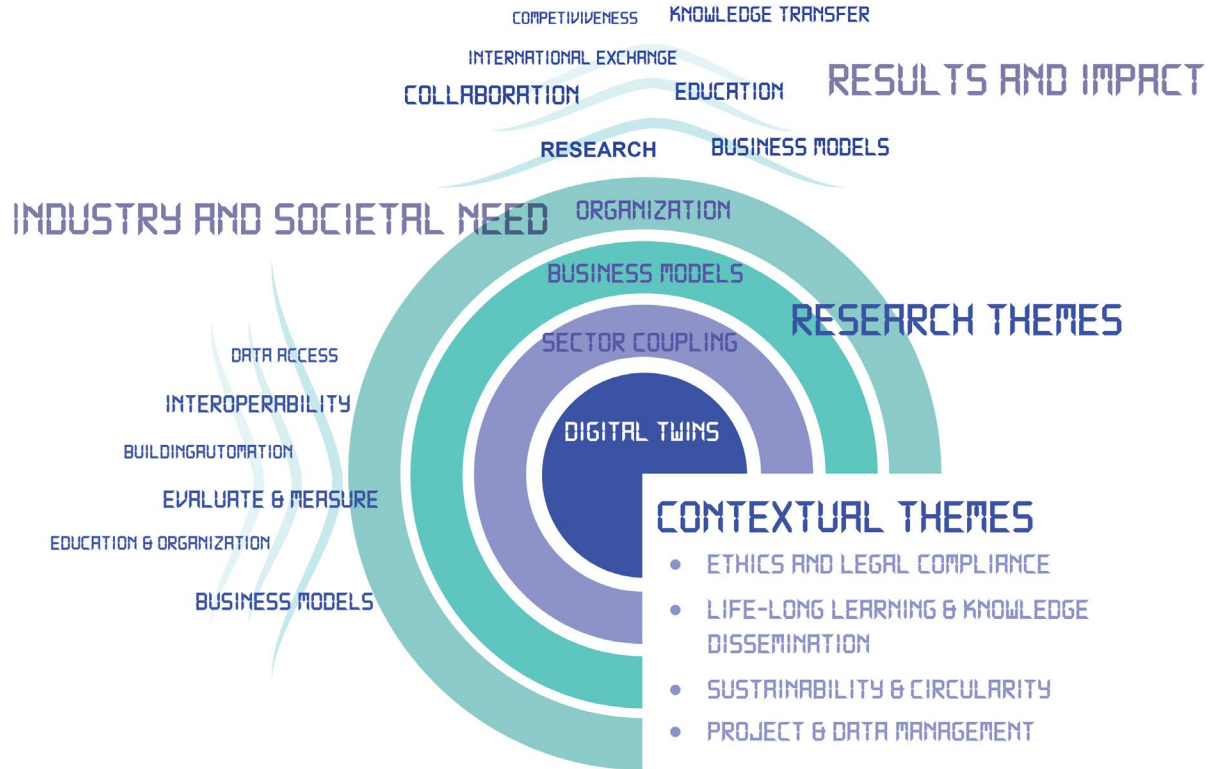
UMEÅ
UNIVERSITY



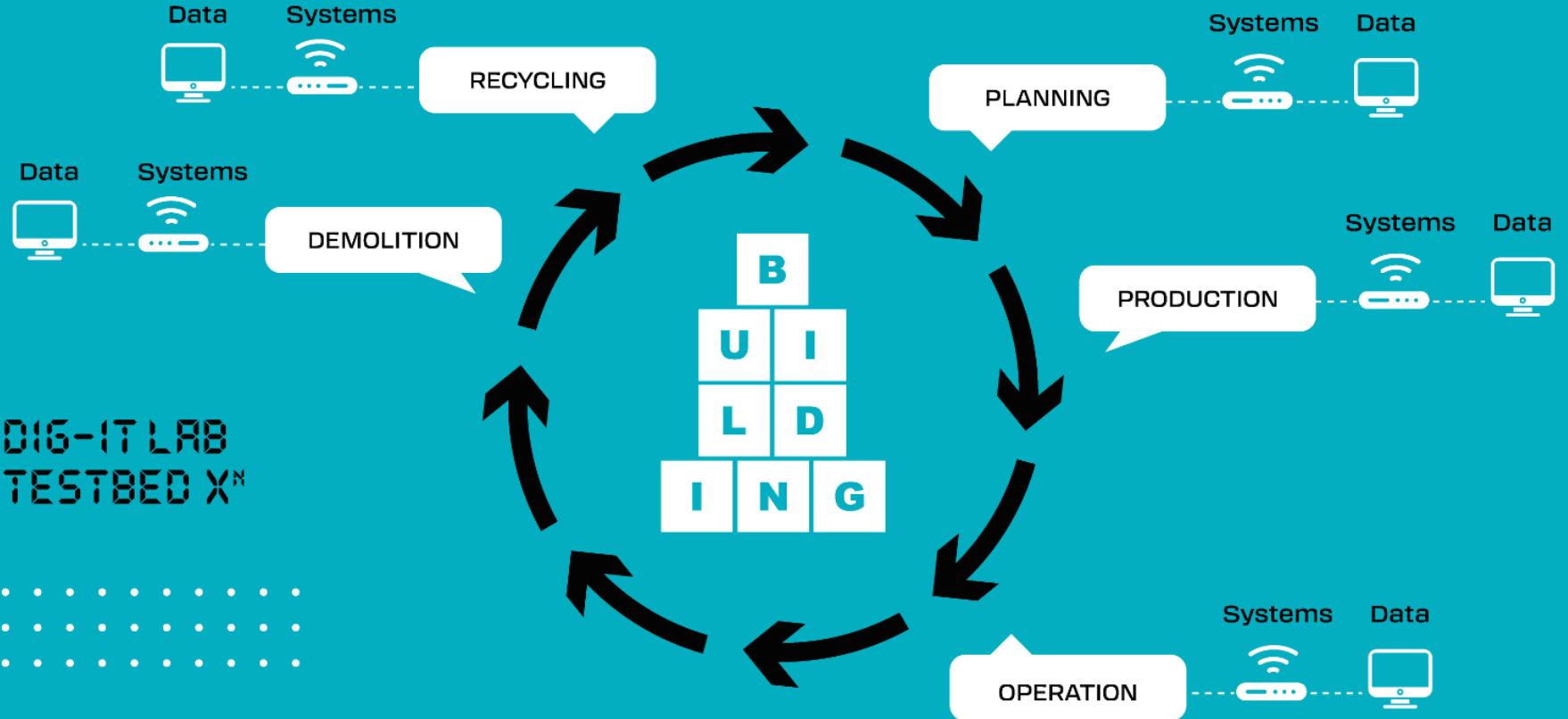
UNIVERSITÀ
DEGLI STUDI
DI PADOVA



Dig-IT Lab – Research and impact



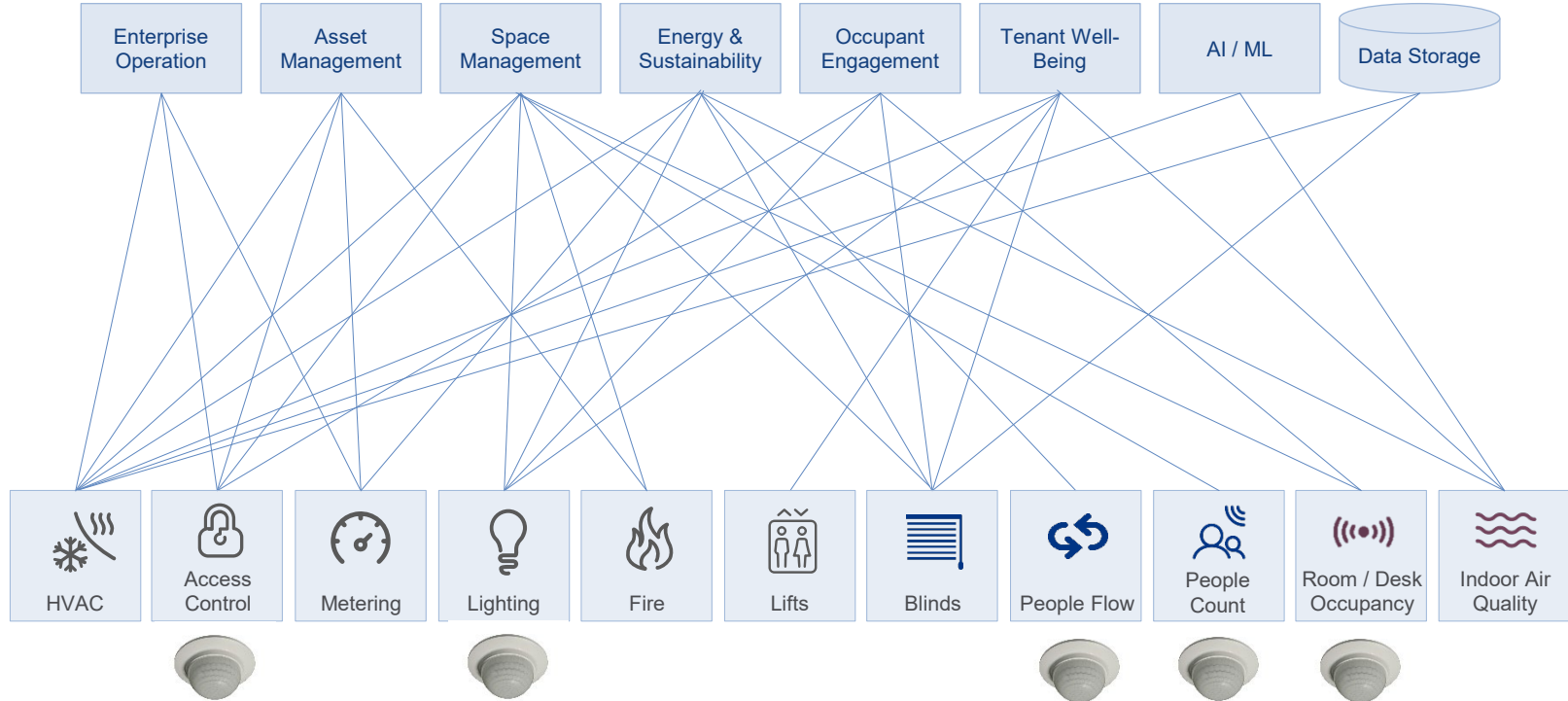
BUILDING LIFE CYCLE



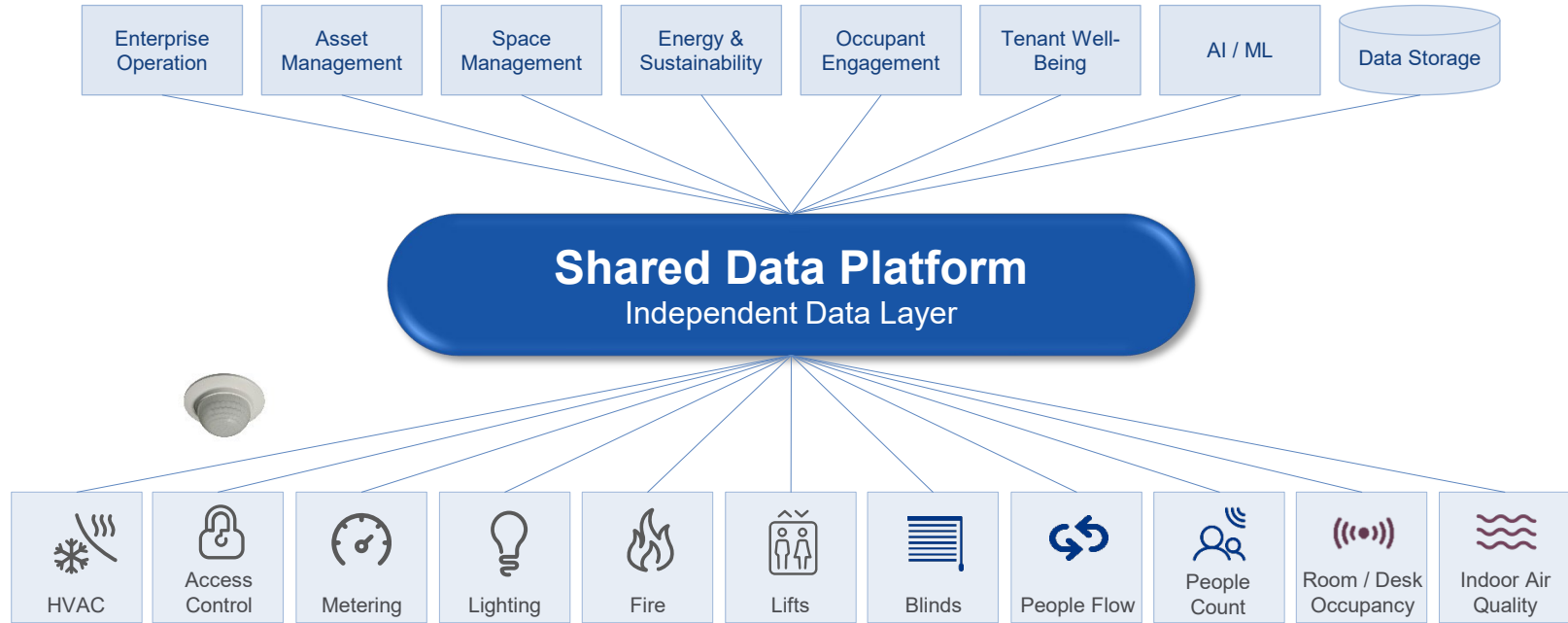
DIG-IT LAB
TESTBED X^N



Current status – far from Sust. Industry



Sustainable Industry through collaboration

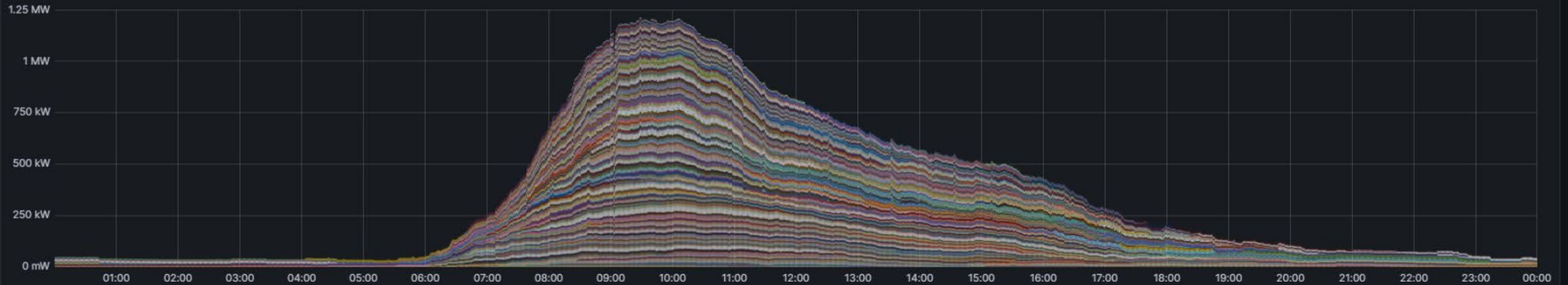


A centrally managed and hosted data platform, providing a market aligned contextualized access to different building systems, for all types of buildings!



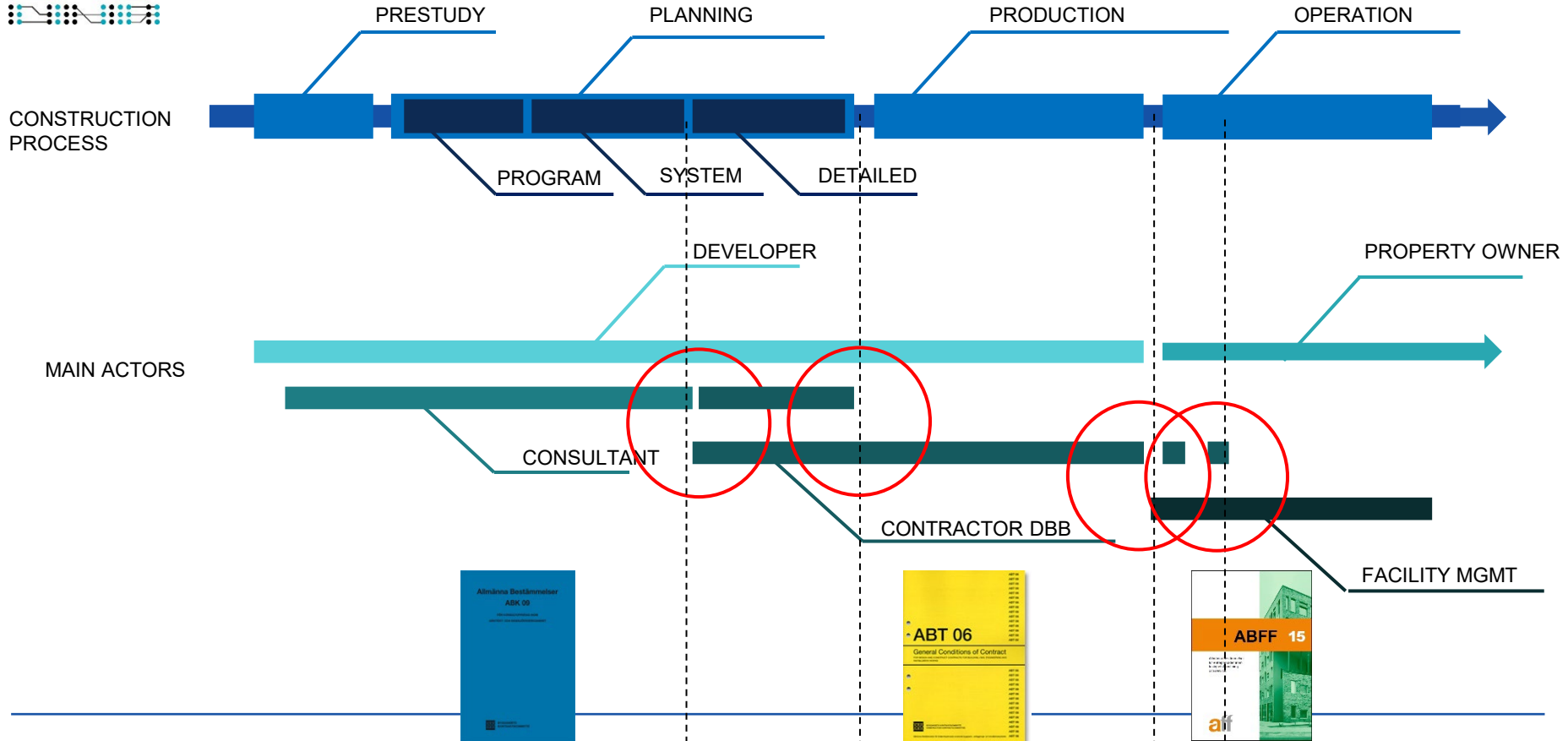
Plant: Alviks Strand, DEFAULT-VASAKRONAN, Duvan 2, Fenixhuset, Garnisonen, Getingen, Godset 4, Hilton 7, Hästskon12, Kista Entré, Kista Science Tower, Klara Zenit, Kromet, Kronan1, Linneqatan 89, Lomomotivet, Lyckan 10, Magnus Stenbock4, MasasinX, Nattuqqlan14, Nöten5, Platinan, Riqa, Rosenborg 1, Rosenborg 2, Rosenborg 3,

Total Power (1m interval)

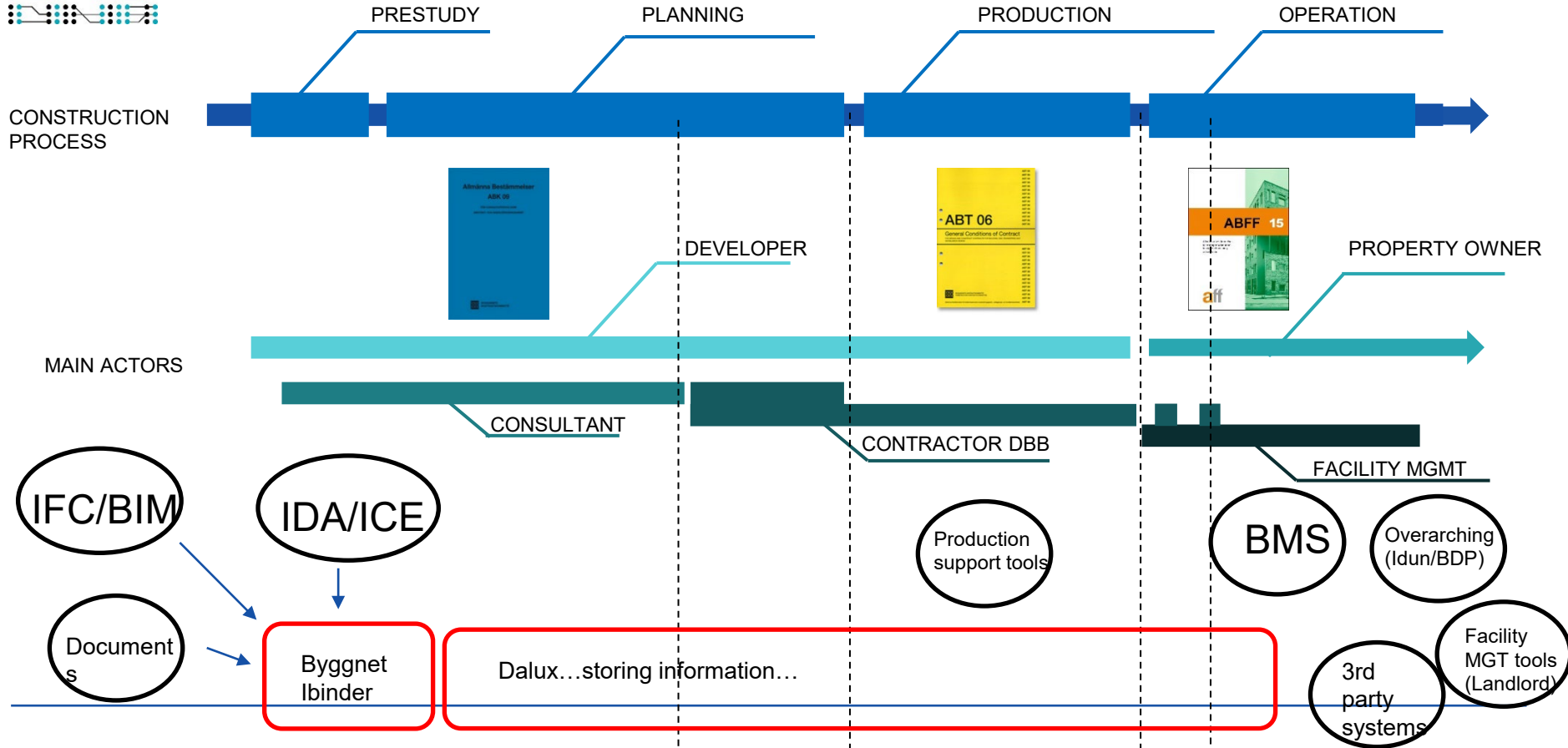


- outlet_report.mean (bayId: 000-001-371)
- outlet_report.mean (bayId: 000-001-372)
- outlet_report.mean (bayId: 000-001-377)
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- outlet_report.mean (bayId: 000-001-439)
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- outlet_report.mean (bayId: 000-001-523)
- outlet_report.mean (bayId: 000-001-524)
- outlet_report.mean (bayId: 000-001-608)
- outlet_report.mean (bayId: 000-001-830)
- outlet_report.mean (bayId: 000-001-831)
- outlet_report.mean (bayId: 000-001-902)
- outlet_report.mean (bayId: 000-001-905)
- outlet_report.mean (bayId: 000-001-906)
- outlet_report.mean (bayId: 000-001-907)
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- outlet_report.mean (bayId: 000-002-096)

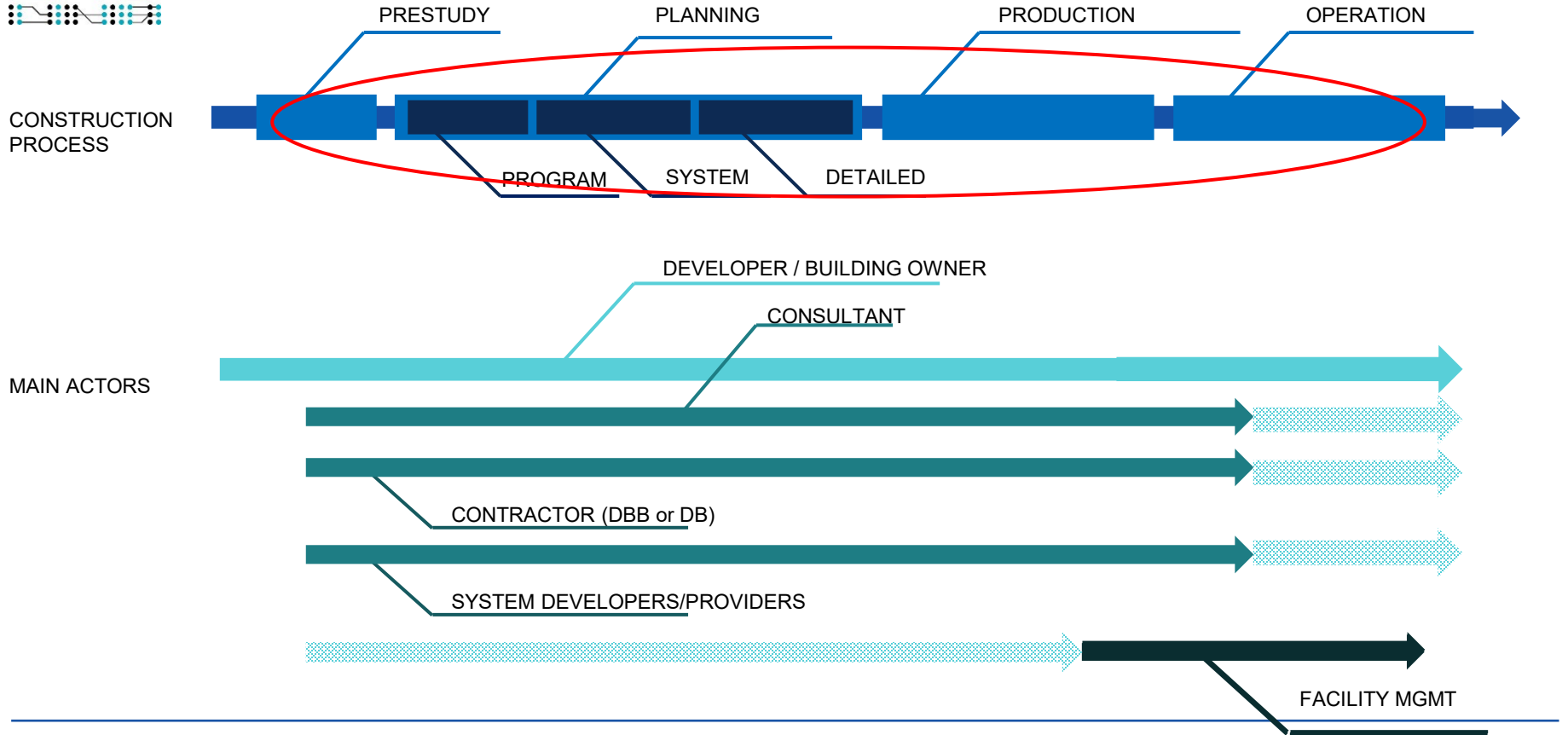
Construction process and agreements



Construction process and agreements



Construction process and agreements



Kids ideas of the construction industry

- The hardest profession of them all – construction worker!
- As everyone know, the important thing is to destroy for everyone else, so it goes well for me and bad for the others...

We need to change this view!



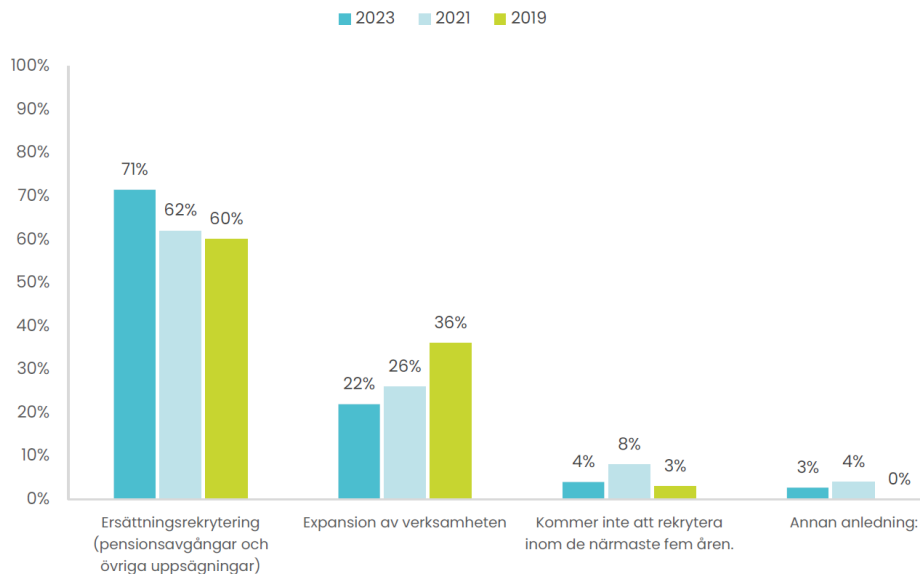
<https://www.youtube.com/watch?v=eMJvPDApA-E>

Nationellt resultat

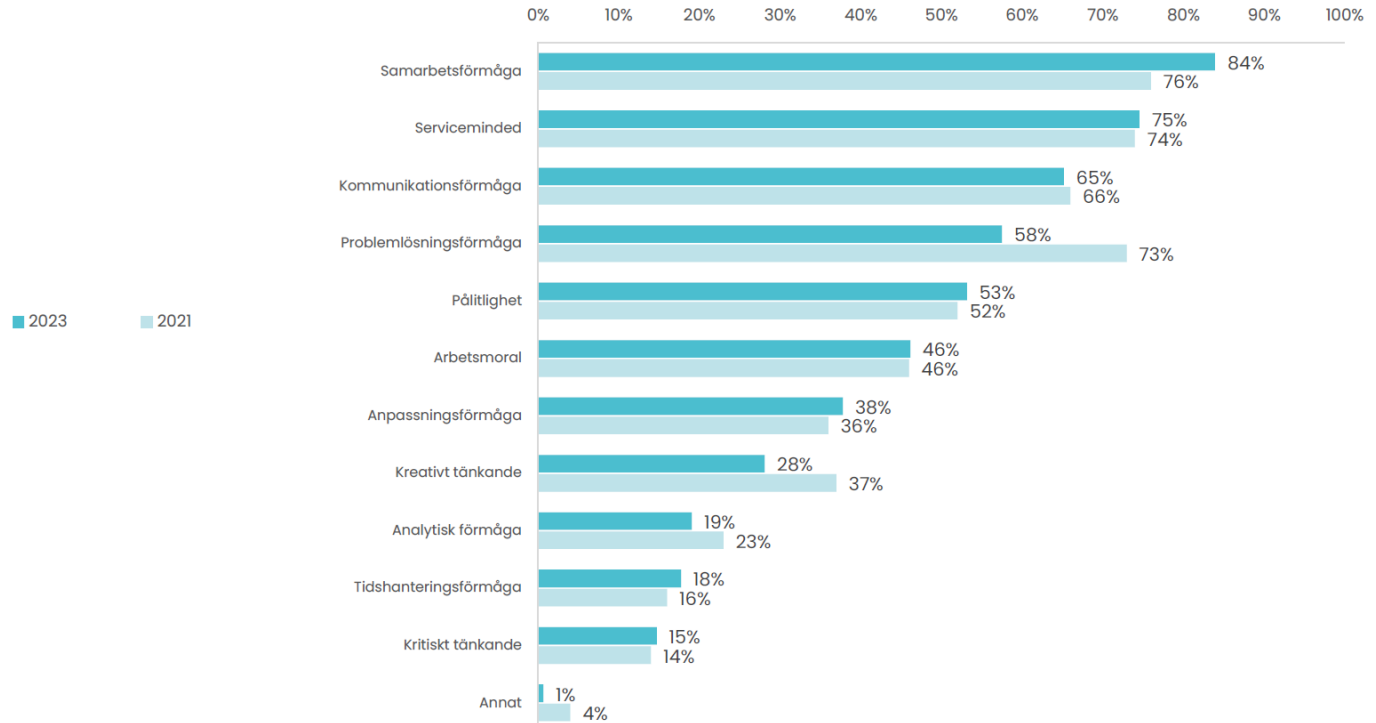
Rekryteringsbehov på fem års sikt

Yrkesroller:	Rekryteringsbehov medlemmar 2023*	Rekryteringsbehov medlemmar 2021*	Rekryteringsbehov medlemmar 2019*
Fastighetstekniker	2997	1643	2331
Fastighetsskötare	2537	2343	3603
Fastighetsvård	1202	684	963
Fastighetsförvaltare	1406	1157	1543
Fastighetsingenjör	482	231	504
Fastighetsekonom**	426		
Byggprojektledare	912	664	836
Uthyrare**	558		
Total	10521	6722	9780

Vilken är den huvudsakliga anledningen till framtida rekryteringar, på fem års sikt?



Vilka egenskaper, soft skills, värderar ni högst vid anställning av nya medarbetare?* Flera svar möjliga





Thank you for listening



AKADEMISKA HUS



Imperial College
London



Vasakronan



CHALMERS
UNIVERSITY OF TECHNOLOGY



myrspoven



UPPSALA
UNIVERSITET



UNIVERSITÀ
DEGLI STUDI
DI PADOVA



Norwegian University of
Science and Technology



Fastighetsbranschens
UTBILDNINGSNÄMND



AUSTRIAN INSTITUTE
OF TECHNOLOGY



UMEÅ
UNIVERSITY

SALLY R