

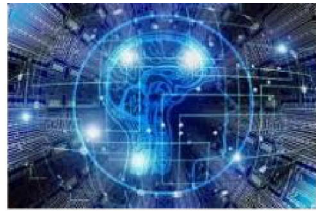
DIGITALISERING & SWECO CUBE

ELLER: HUR FLYTTAR MAN EN STAD?

Kent Karlsson, Sweco, 2019-02-13



Difference between Digitization, Digitalization and Digital...
coresystems.net



Why Digitalization Will Kill Your Company To...
janbosch.com



The Digitalization of Asset Management: What ...
vizya.com



Digitalization - Aleurer Blog
aleurerblog.com



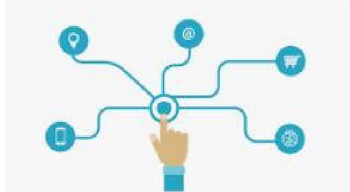
Supply Chain Digitalization Is Top of Mind for ...
blog.jda.com



Digitalization: the only option – GAA Accounting
gaaaccounting.com



DHL publishes report on digitalization in the supply...
postandparcel.info



Digitization of business: 8 advantages of the digital...
ehorus.com



Using digitalization to boost efficiency - Metso
metso.com



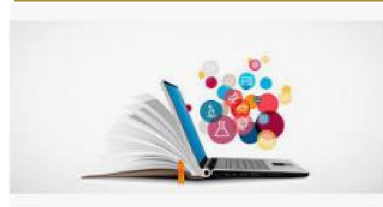
ABB Leads the Industrial Digitalization Ch...
ehuswei.com



ShapingtheOdds - #ShapingtheBlogs - Digitali...
shapingtheodds.com



Is Digitalization the Recipe for a Bright Future? - R...
russelsmithgroup.com



Digitalization and Digitization | Cem Sari
cemsari.com



Pharmaceuticals & Biotechnology | Siemens...
pharma-ig.com



Digitalization and the American workforce
brookings.edu



HD & 4K Digitalization Videos - VideoBlocks: Roy...
videoblocks.com



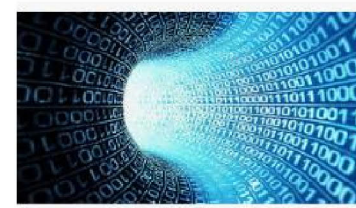
PROCESS DIGITALIZATION IN DIGITAL T...
medium.com



Opportunities in Digitalization for Brands and ...
inventiva.co.in



The Digitalization of the American Workforce: What ...
fosteredu.pennfoster.edu



Digitalization - Everything Changes and Stays the ...
hrchitects.net



New Paper: Ship Digitalization on the Horizon...
porttechnology.org



Digitalization and the future of Indian real estate
realityplumag.com

The
Economist

Crunch time in France
Ten years on: banking after the crisis
South Korea's unfinished revolution
Biology, but without the cells

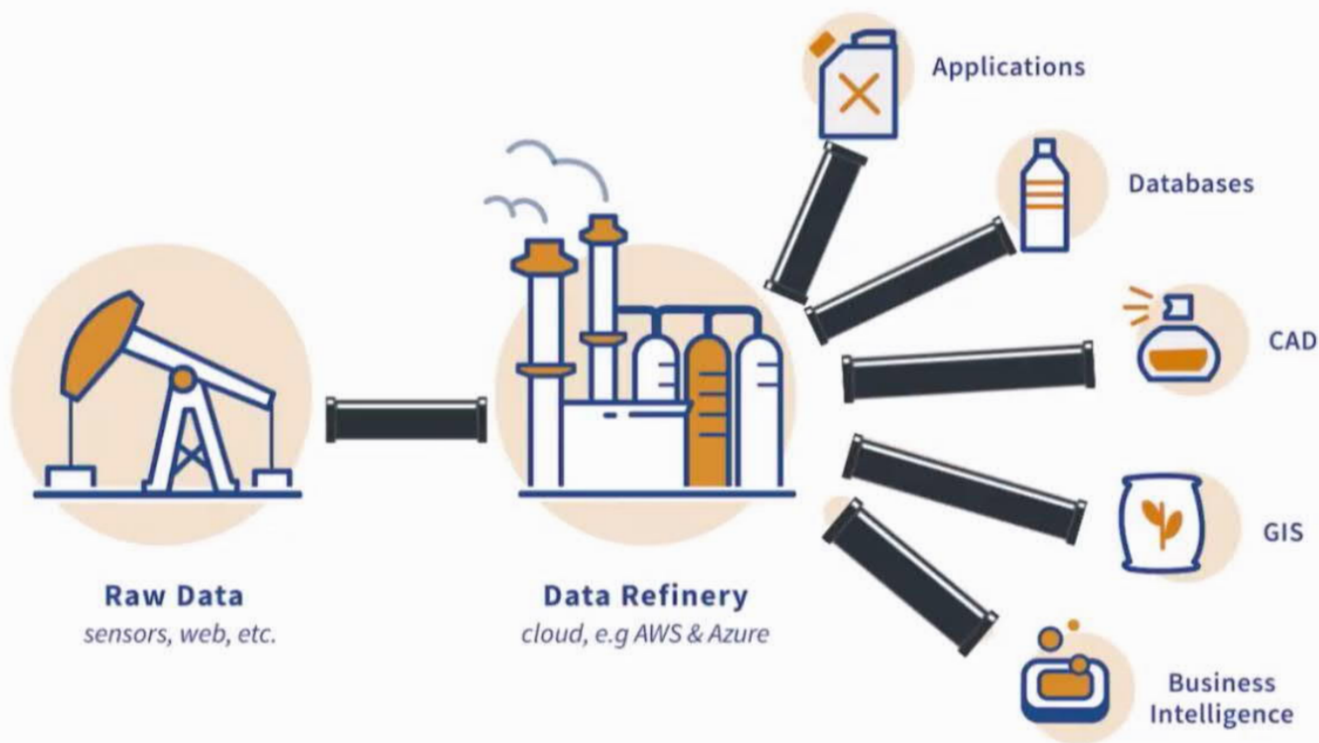
“The world’s most
valuable resource is no
longer oil, but **data**”

- The Economist, May 6 2017

Data and the new rules
of competition



2017
INTERNATIONAL
USER CONFERENCE
VANCOUVER, B.C.
CANADA

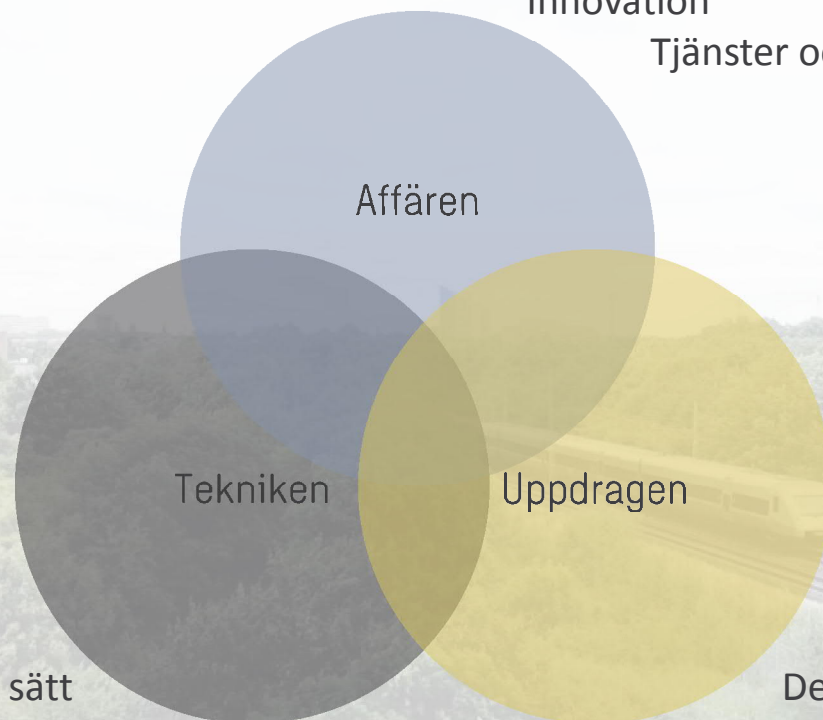


2017
INTERNATIONAL
USER CONFERENCE
VANCOUVER, B.C.
CANADA

Skapa nya tjänster och affärsmodeller

Innovation

Tjänster och erbjudanden



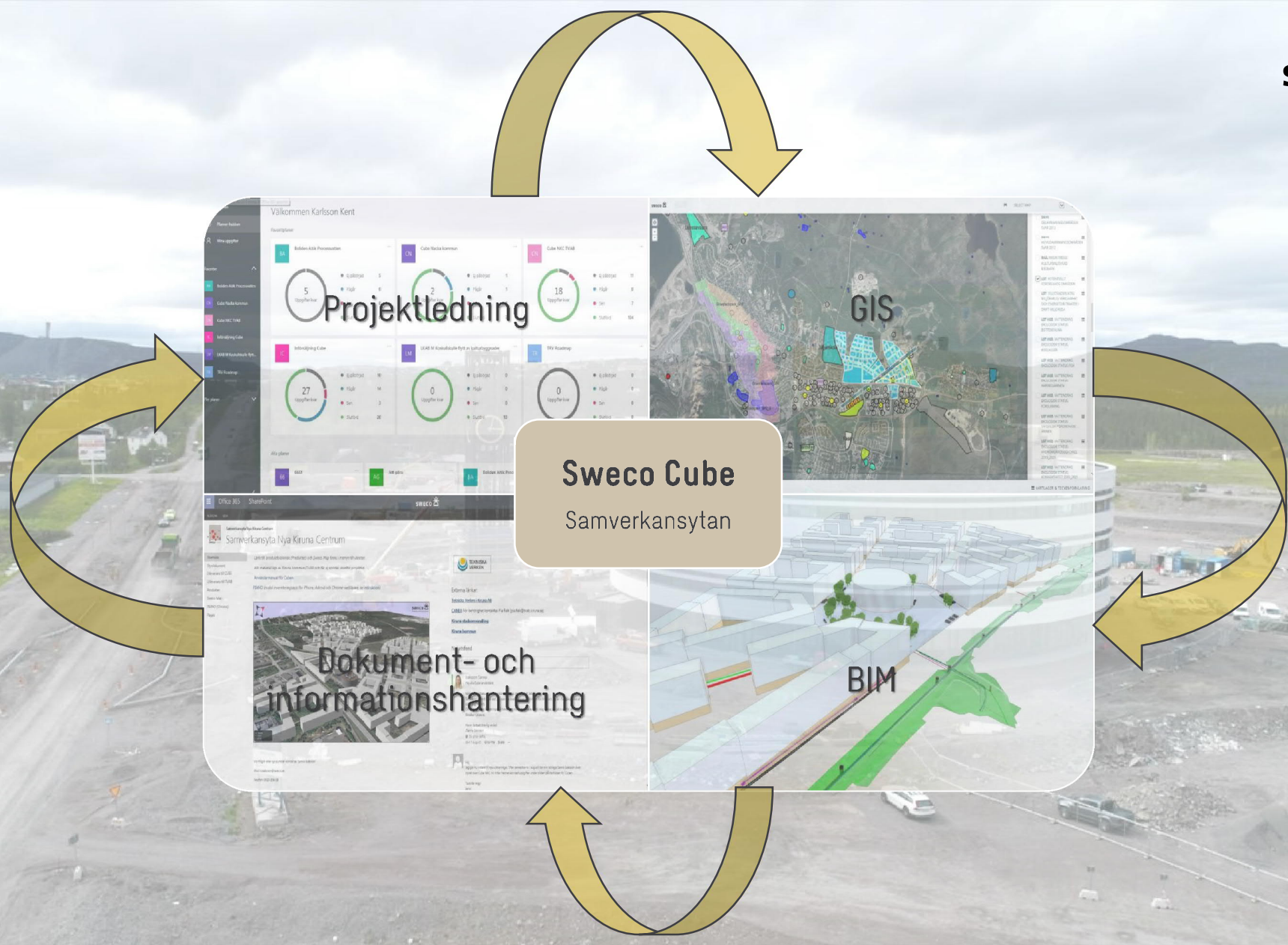
Nyttja teknik på effektivt sätt
BIM/GIS/AI/VR/ML/BI/...

Den digitala uppdragsprocessen
Obrutna informationsflöden

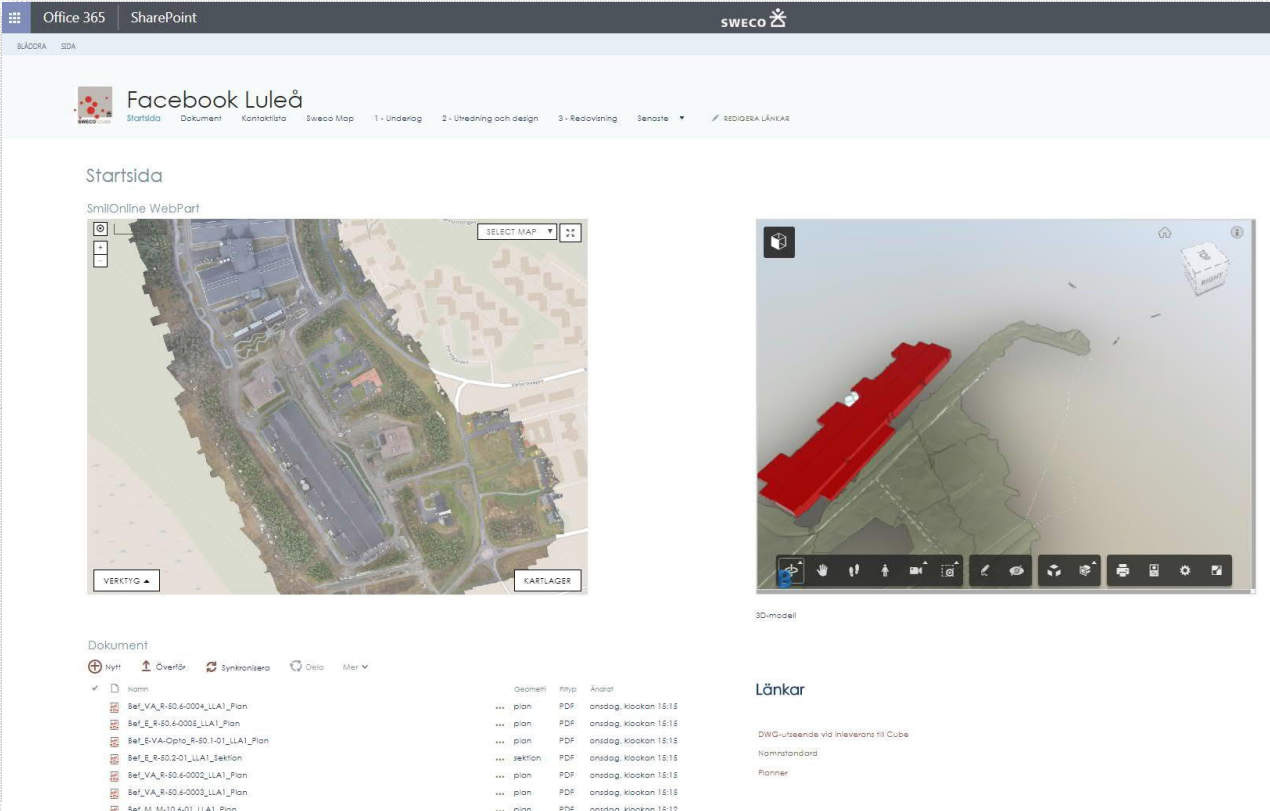


RÄTT INFORMATION VID RÄTT TILLFÄLLE

DIGITALISERINGSSTRATEGIN CUBE



Exempel Facebook



The screenshot shows a SharePoint site for 'Facebook Luleå'. The top navigation bar includes 'Office 365', 'SharePoint', and the 'SWECO' logo. Below the navigation, there are links for 'Startsida', 'Arkiv', 'Kontaktlista', 'Sweco Map', and a list of project phases: '1 - Underlag', '2 - Utredning och design', and '3 - Redovisning'. A 'Senaste' dropdown and 'REDOGGERA LÄNKAR' are also visible.

The main content area is titled 'Startsida' and contains two primary visualizations:

- SmilOnline WebPart:** A 2D aerial map of a site with a 'SELECT MAP' dropdown, a 'VERKTYG' menu, and a 'KARTLAGER' button.
- 3D-modell:** A 3D perspective view of a building model, with a red structure highlighted. It includes a toolbar with various interaction icons and a '3D-modell' label below it.

Below the visualizations is a 'Dokument' section with a table of files:

Namn	Geometri	Typ	Ändrad
BeL_VA_R-80.4-004_LLA1_Plan	...	plan PDF	onsdag, 14 oktober 18:18
BeL_E_R-80.4-002_LLA1_Plan	...	plan PDF	onsdag, 14 oktober 18:18
BeL_E_VA-0919_R-80.1-01_LLA1_Plan	...	plan PDF	onsdag, 14 oktober 18:18
BeL_E_R-80.2-01_LLA1_Sektion	...	sektion PDF	onsdag, 14 oktober 18:18
BeL_VA_R-80.4-002_LLA1_Plan	...	plan PDF	onsdag, 14 oktober 18:18
BeL_VA_R-80.4-003_LLA1_Plan	...	plan PDF	onsdag, 14 oktober 18:18
BeL_M_M-10.4-01_LLA1_Plan	...	plan PDF	onsdag, 14 oktober 18:12

At the bottom right, there is a 'Länkar' section with links for 'DWG-utseende via Inleverans till Cube', 'Namnstandard', and 'Pannier'.

- Start with a collaboration area in Sharepoint.
- Add desired components from BIM and GIS-platforms
- Use Cube to store, and visualise project information, models and progress

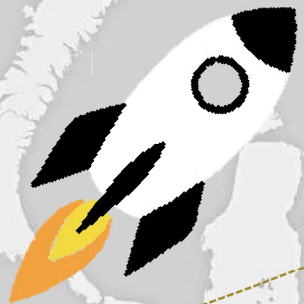
HUR FLYTTAR MAN DÅ EN STAD?



KIRUNA

Norwegian Sea

Tromsø



ARCTIC CIRCLE

Vorkuta

Norilsk

Iceland

Reykjavik



Luleå

Trondheim

Vaasa

Finland

Petrozavodsk

Norway

Oslo

Sweden

Gulf of Finland

Tallinn

Estonia

Vologda

Skagerrak

Baltic Sea

Latvia

Pskov

Yaroslavl

Kirov

Perm

Yekaterinburg

Surgut

Scotland

Glasgow

North Sea

United Kingdom

Denmark

Hamburg

Poland

Belarus

Bryansk

Voronezh

Saratov

Orenburg

Tomsk

Novosibirsk

Abak

Ireland

England

London

The Netherlands

Berlin

Belgium

Luxembourg

Paris

Czech Republic

Munich

Bratislava

Slovakia

Slovenia

Belgrade

Sarajevo

Montenegro

Bulgaria

Macedonia

Albania

Romania

Bucharest

Moldova

Odessa

Bulgaria

Istanbul

Ankara

Kyiv

Kharkiv

Donetsk

Volgegrad

Krasnodar

Astrakhan

Black Sea

Georgia

Armenia

Baku

Turkmenistan

Samarkand

Kashgar

Uzbekistan

Shymkent

Bishkek

Kyrgyzstan

Nukus

Kyzylorda



North Atlantic

Portugal Spain

Vigo

Bilbao

Marseille

Barcelona

France

Switzerland

Austria

Hungary

Romania

Moldova

Odessa

Bulgaria

Macedonia

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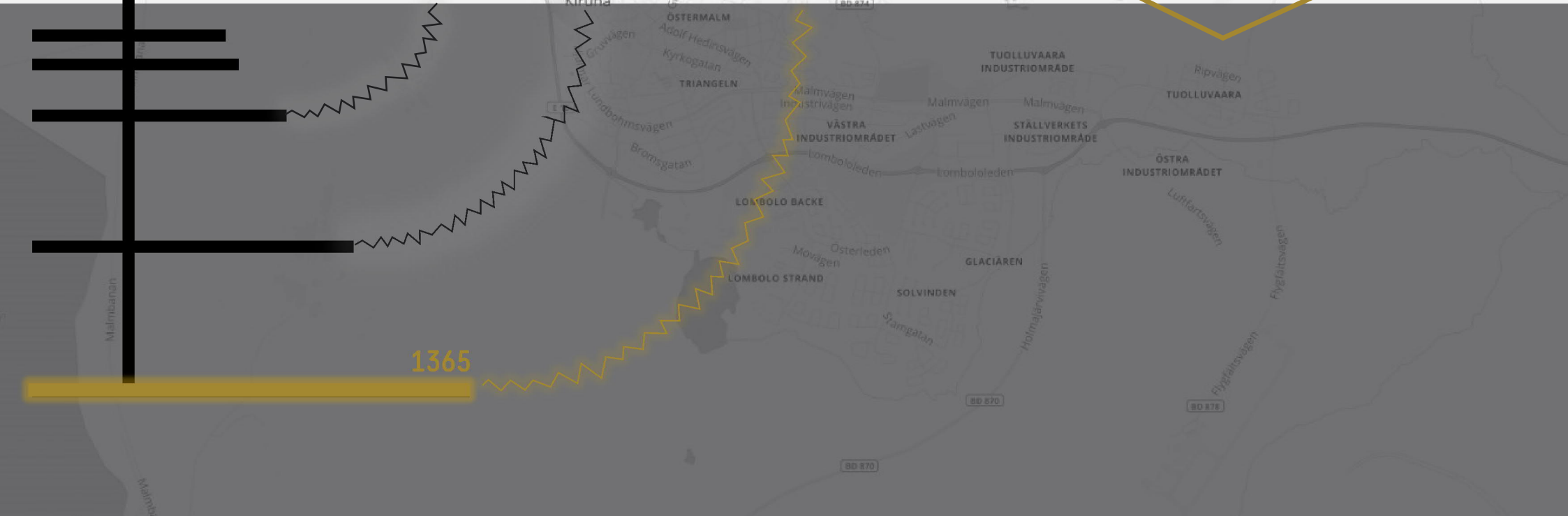
Bucharest

Moldova

Odessa

Bulgaria

Macedonia



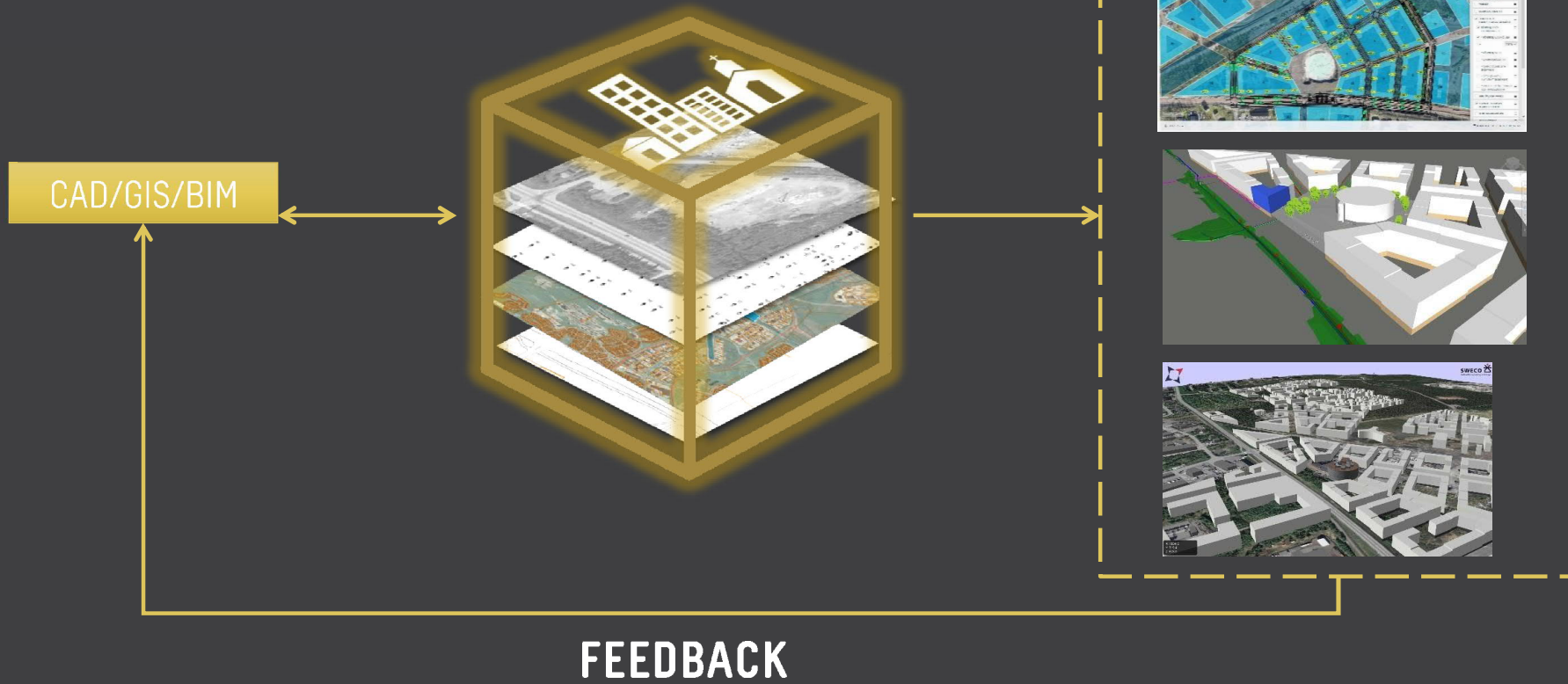
EN DIGITAL TVILLING FÖR SAMHÄLLSPLANERING



DESIGN

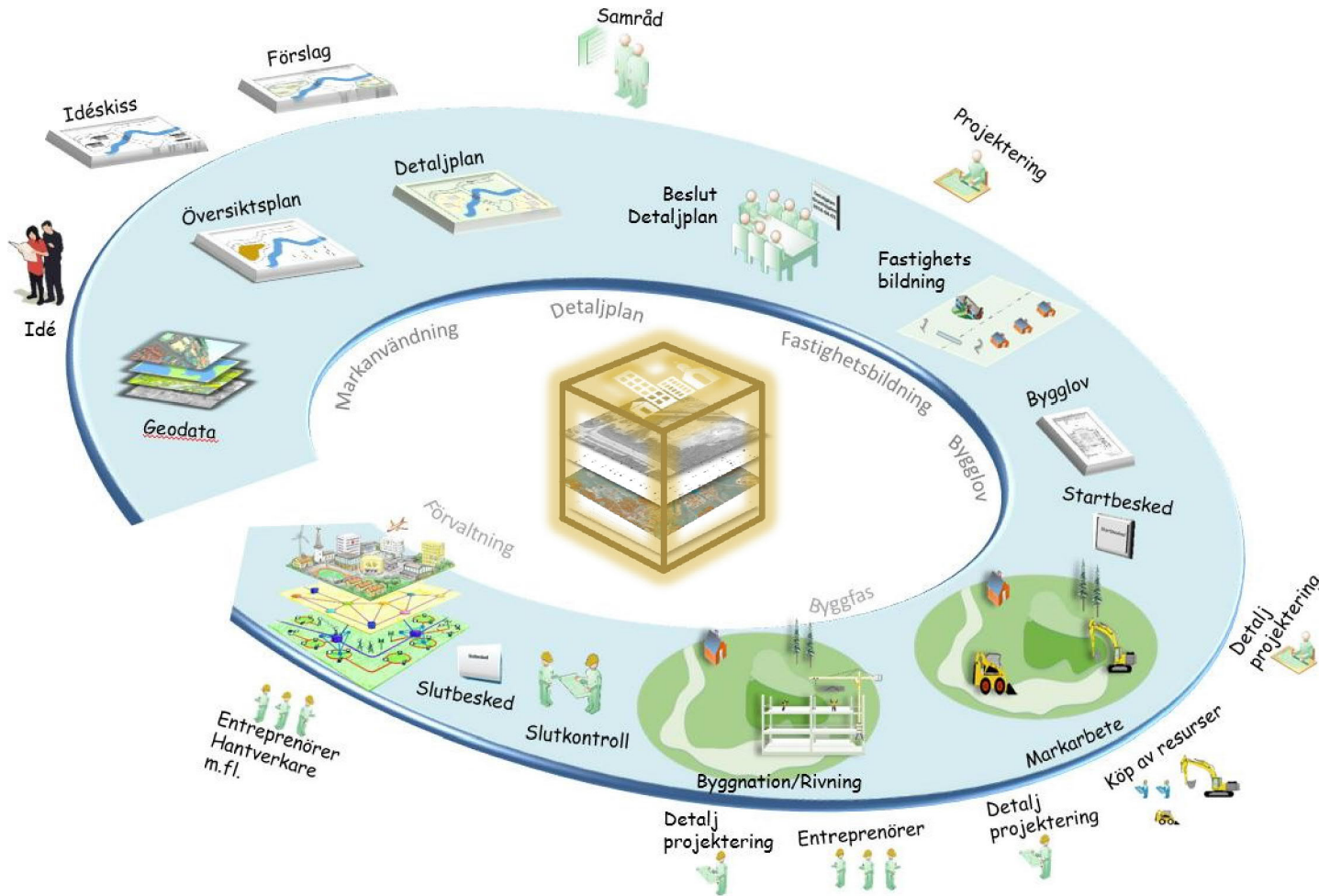
LAGRING

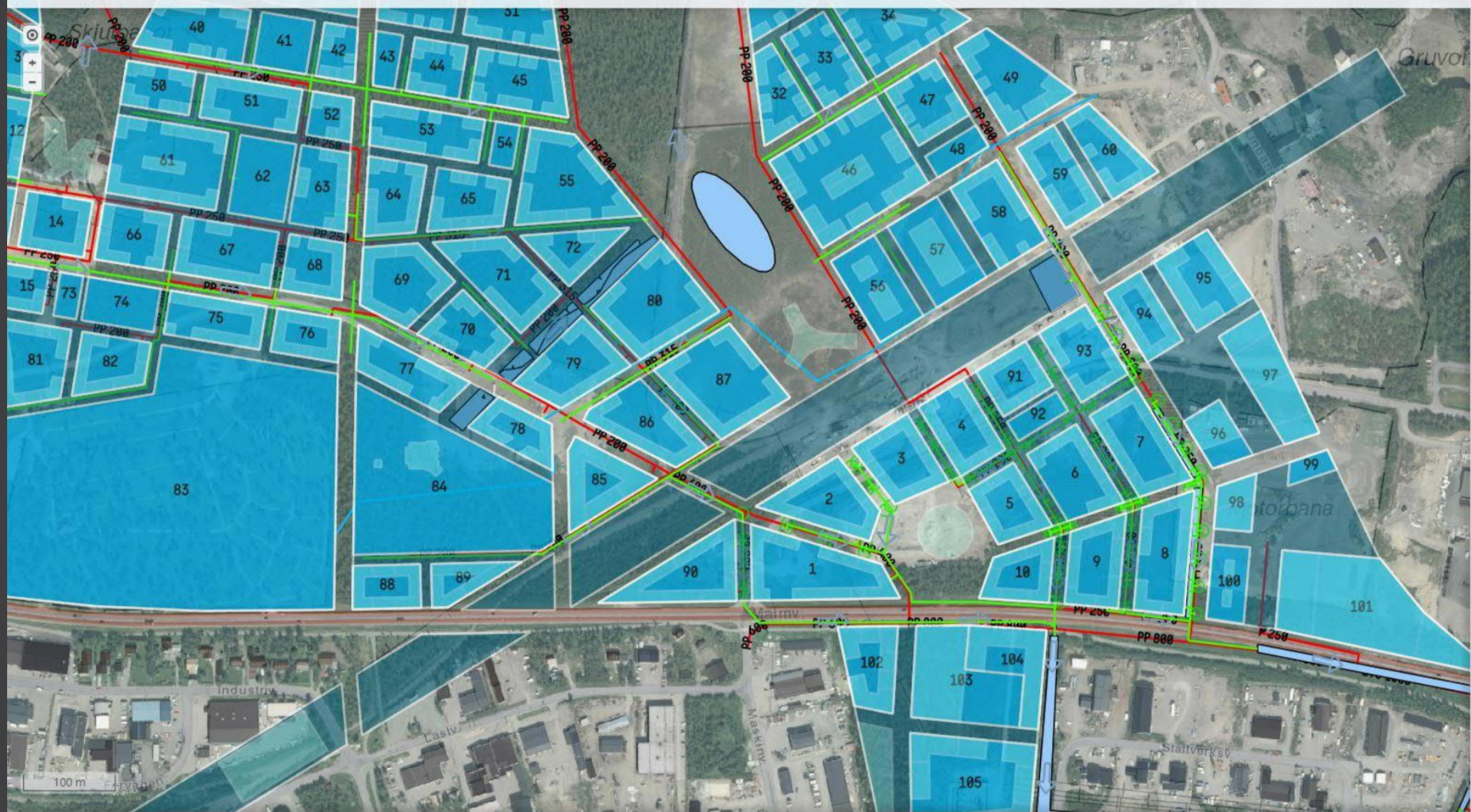
VISUALISERING



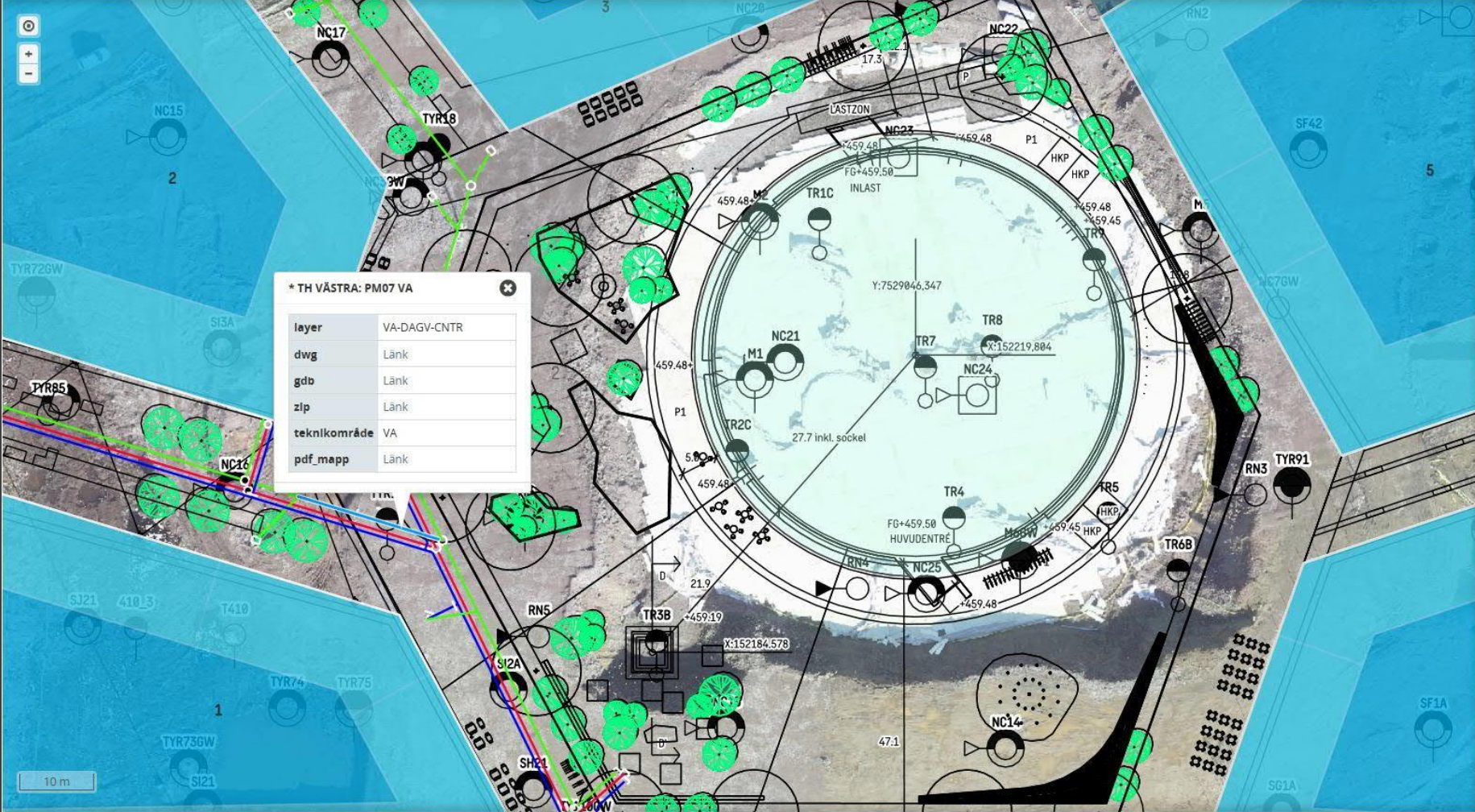
Samhällsbyggnadsprocessen

Infrastruktur, Mark, Byggnader





- *VA: VATTEN
- *VA: VATTEN TRYCKZONER
- *VA: SPILLVATTEN
- FÖRSTUDIER
- EXTERNT
- EXTERNT - E10 KNC SAMRÅDSUNDERLAG (TRV)
- INMÄTNINGAR
- BEFINTLIGHET
- * VA: SPILLVATTEN (SEPT 2016)
- * VA: VATTEN (SEPT 2016)
- * VA: DAGVATTEN (SEPT 2016)
- * FJÄRRVÄRME (2017-05)
- * OPTO
- * EL (2016-09-01)
- * FRILUFTSSPÅR
- * SKOTERLEDER
- * GC-VÄGAR
- * GEOTEKNIK: GEOSYMBOLER
- * GEOTEKNIK: FÖRSTÄRKNINGSÅTGÄRDER
- * GEOTEKNIK: OMRÅDEN
- * GEOHY: GRUNDVATTEN ÅTGÄRDER
- * GEOHY: GRUNDVATTENMÄTCEN



*** TH VÄSTRA: PM07 VA**

layer	VA-DAGV-CNTR
dwg	Länk
gdb	Länk
zip	Länk
teknikområde	VA
pdf_mapp	Länk

KARTLAGER **TECKENFÖRKLARINGAR**

- ADMINISTRATIVT
- UTVECKLINGSPLAN
- RELATIONSHANDLINGAR
- BYGGHANDLINGAR
 - * LÄNSMANSBOSTADEN: GATA YTSKIKT
 - * LÄNSMANSBOSTADEN: VA
 - * PILOT-DV: ARBETSOMRÅDE
 - * PILOT-DV: DAGVATTENDIKE
 - * PILOT-DV: HÖJNING MALMVÄGEN
 - * PILOT-DV: HÖJNING MALMVÄGEN TIN-MODELL
 - * PILOT-DV: BULLERVALL
 - * SBO: HÖJDSÄTTNING GATA
 - * TH VÄSTRA: DAGVATTEN MV
 - * TH VÄSTRA: HÖJDSÄTTNING GATA
 - * TH VÄSTRA: U-OMRÅDE ET 1
 - * TH VÄSTRA: PM07 VA
 - * TH VÄSTRA: PM07 OPTO
 - * TH VÄSTRA: PM07 FJÄRRVARME
 - * TH VÄSTRA: PM07 EL
 - * TH VÄSTRA: ...

KICKSTART FOR NYA PROJEKT

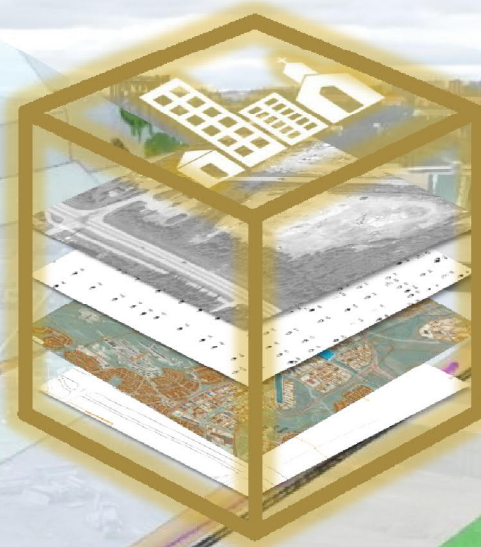
SAMHÄLLSUTVECKLING

LOGISTIKPLANERING

PROJEKTSAMORDNING

FÖRVALTNINGSMODELL

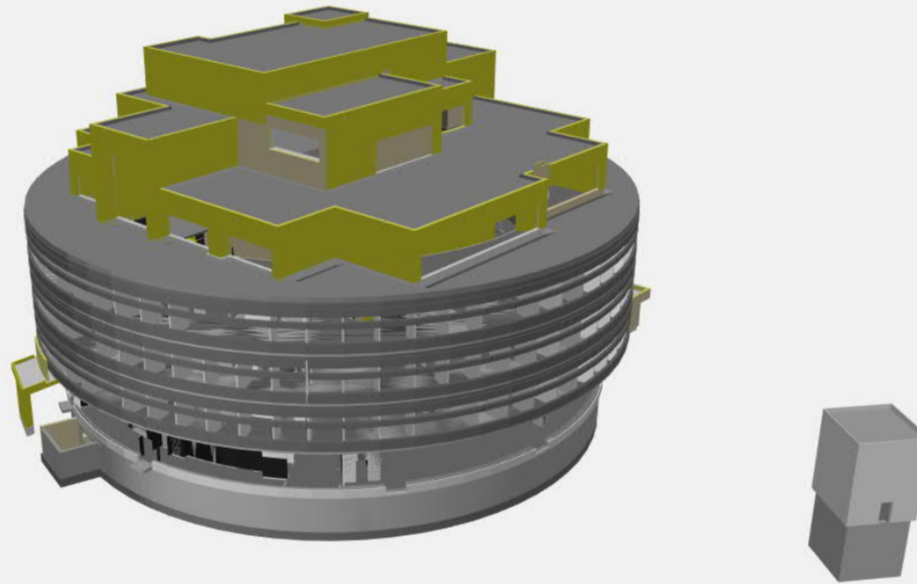
AUGMENTED REALITY



INTERNET OF THINGS (IOT)

MEDBORGARDIALOG

REALTIDSANALYS





SWECO 