



**HEXAGON**

empowering an autonomous future

**BIM-to-field / field-to-BIM**

**Virtual Reality**

**GEOBOX Together**

09. Mai 2023

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Technical & After Sales Building & HC

# Programm / Ablauf

## Teil 1 – Digitale Baulösungen

Grundlagenvermessung (field2BIM)

Vernetzte Baustellen – Clouds (BIM2-field-2BIM)

## Teil 2 – Augmented Reality (AR)

Einsatzgebiet

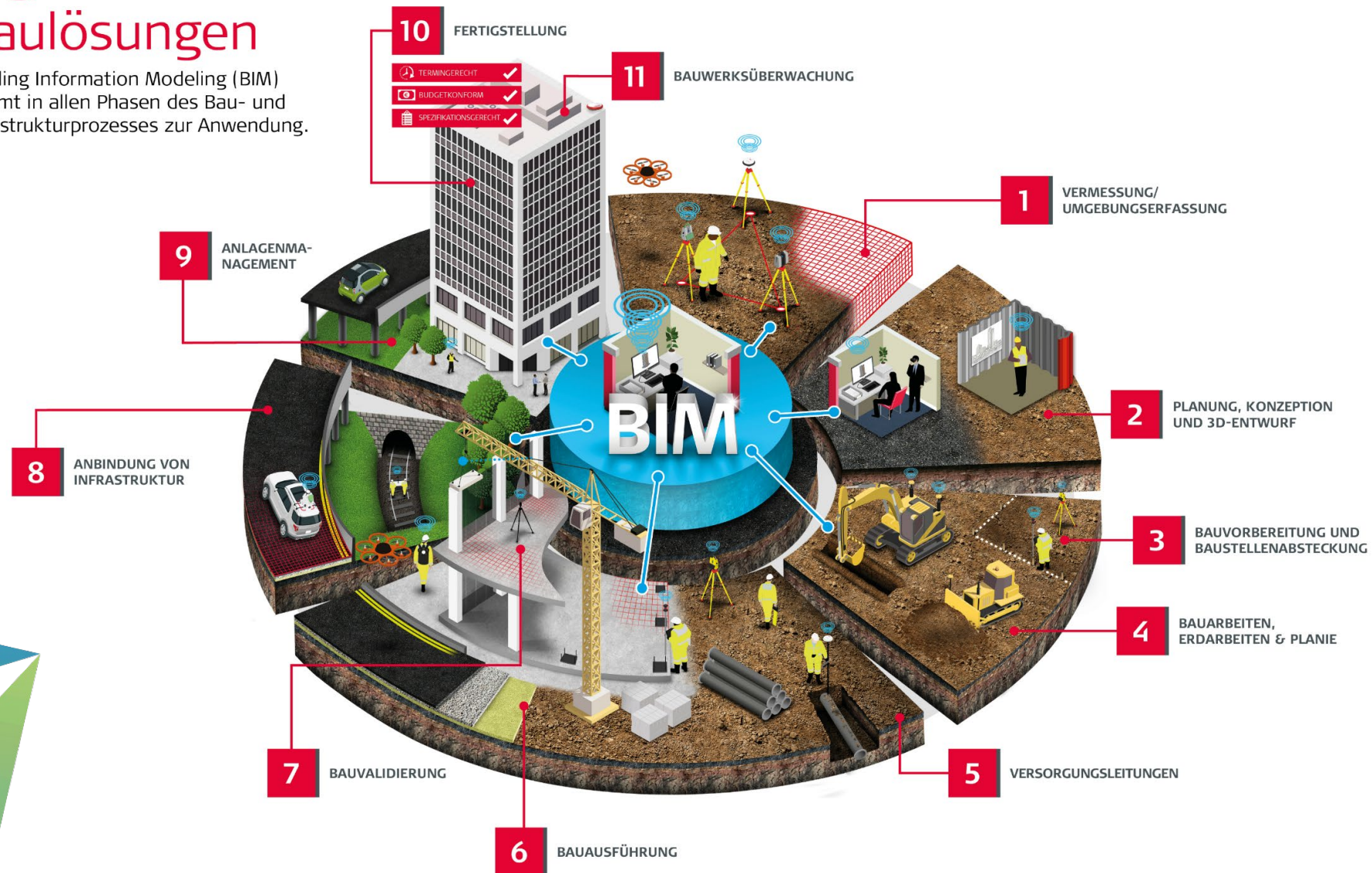
Lösungen





# Digitale Baulösungen

Building Information Modeling (BIM) kommt in allen Phasen des Bau- und Infrastrukturprozesses zur Anwendung.



# Übersicht unserer Lösungen

- Die passende Lösung für jeden Einsatz

Grundlagen Vermessung

Bauanwender

Bauvalidierung



Captivate



Captivate



Captivate







AUTODESK®  
CONSTRUCTION  
CLOUD



**icon**  
intelligent CONSTRUCTION



HEXAGON





AUTODESK®  
CONSTRUCTION  
CLOUD



**HEXAGON**

empowering an autonomous future

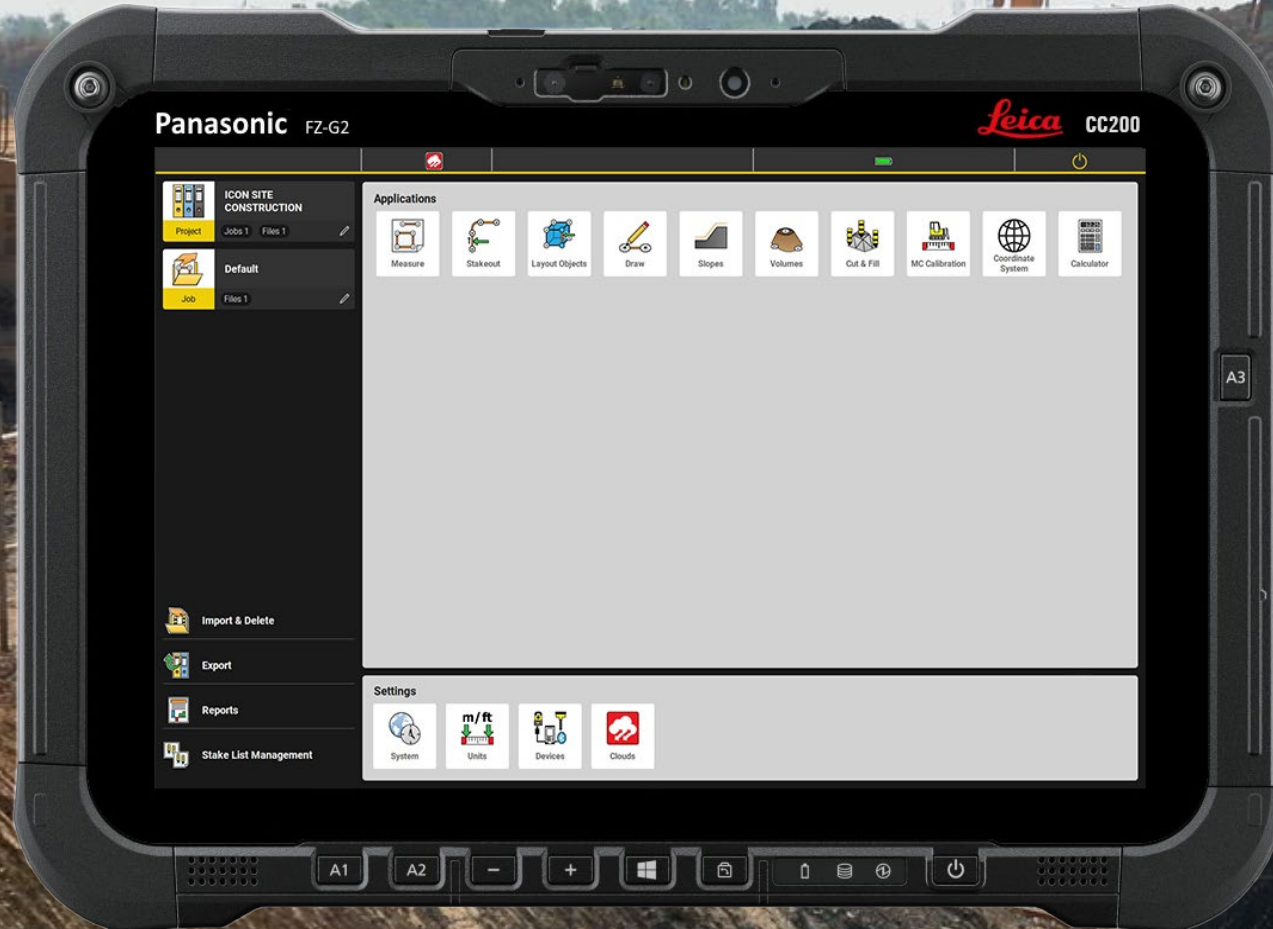
## Vernetze Baustelle Clouds

- ✓ Daten laden **jederzeit** vom Büro aus
- ✓ **Aktuelle** Daten auf der Baustelle
- ✓ Weniger **Fahrten** zur Baustelle
- ✓ **Ferninstruktion** und **Support** des Benutzers/Maschinisten
- ✓ Ansicht / Visualisierung / Massenberechnung **Baustellenfortschritt** in Echtzeit



# Import

Selber Workflow wie mit einem USB-Laufwerk



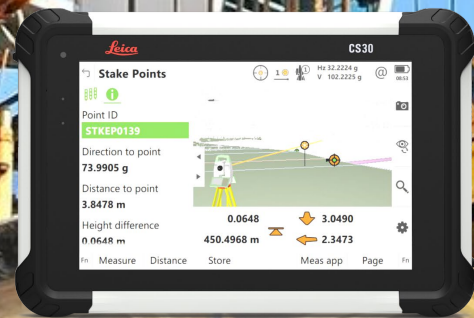
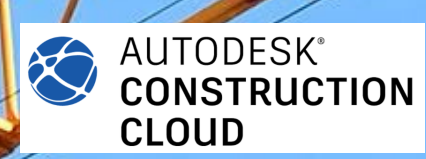
## Import Datentypen

- Alle üblichen Daten
  - Referenzdaten
  - Kontrolle
  - Codelisten
  - Koordinatensysteme
  - Berichte
- Projekte
- GNSS Profile



# Export

Export workflow gleich wie USB-Laufwerk

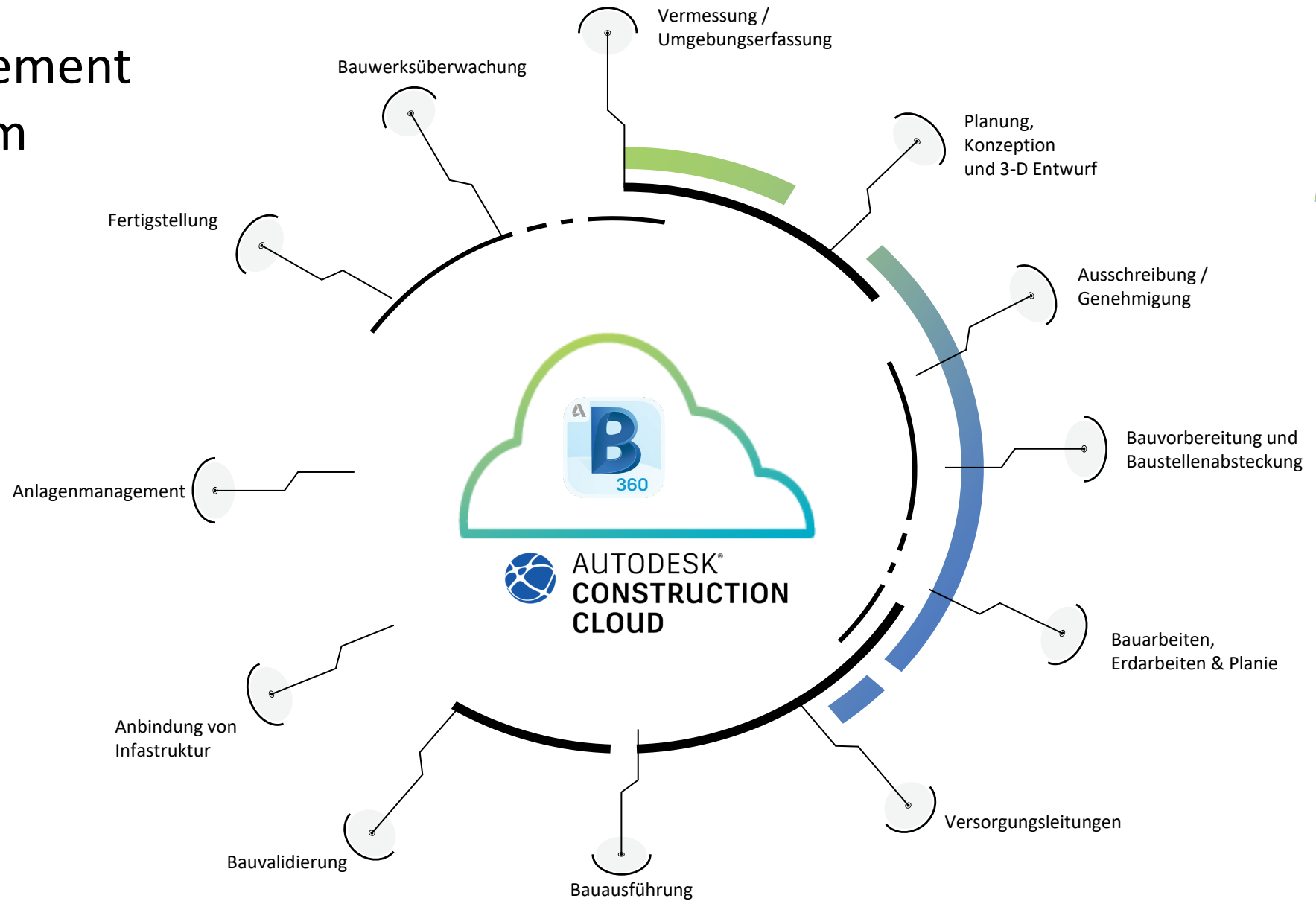


## Export Datentypen

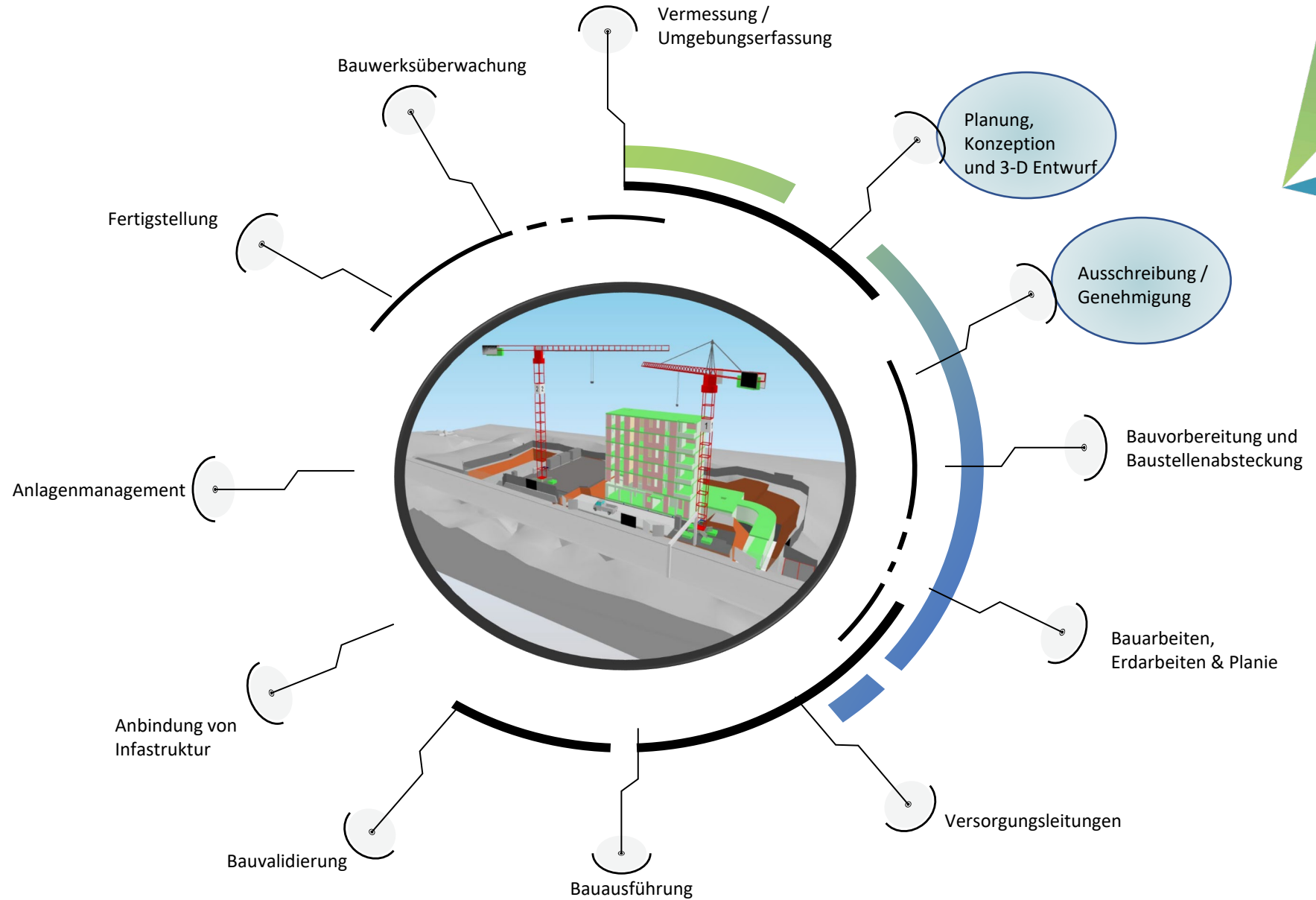
- Jobdaten
- Berichte
- Codelisten
- Projekte
- Abstecklisten
- Punktwolken



# Projektmanagement – CDE Plattform



# iFC(3D)-Model







# Augmented Reality (AR) Einsatzgebiet und Lösungen

Zusammenarbeit



[www.vGIS.io](http://www.vGIS.io)



# Anbindung AUTODESK



**vGIS** +

- DASHBOARD
- FIELD REPORTS
- DATA COLLECTION
- REALITY CAPTURE
- SYSTEM REPORTS
- COMPANY
- TEAMS/PROJECTS
- COMPONENTS
- DEVICES
- DATA SOURCES**
- HELP
- MY PROFILE

## Update Datasource

General | Scheduling

Company  
Leica Suisse

Description  
GEOBOX

Identifier  
geobox

Visibility \*  
Anyone in my organization

Type \*  
Autodesk Build (BIM360)

Autodesk account Not signed in

**AUTODESK**. Sign In

Category  
Cables

Anmelden

E-Mail  
christoph.soltermann@leica-geosystems.com

**WEITER**

NEU BEI AUTODESK? KONTO ERSTELLEN

General | Scheduling

Company  
Leica Suisse

Description  
GEOBOX

Identifier  
geobox

Visibility \*  
Anyone in my organization

Type \*  
Autodesk Build (BIM360)

Autodesk Build Hub \*  
GEOBOX AG (EU)

Autodesk Build Project \*  
ACC SIA Demo 2022

**SELECT AUTODESK BUILD FILES**

Autodesk account  Linked

# Anbindung AUTODESK



## Select Autodesk Build Files

Project: ACC SIA Demo 2022. Supported formats: .dwg, .ifc, .dxf, .rvt, .nwd.

The screenshot shows the vGIS interface for selecting Autodesk Build files. The sidebar on the left contains the following menu items: DASHBOARD, FIELD REPORTS, DATA COLLECTION, REALITY CAPTURE, SYSTEM REPORTS, and COMPANY. The main content area features a search bar and a table of file sources. The table has columns for Script, Description, Identifier, Visibility, and Source. The data rows are as follows:

Script	Description	Identifier	Visibility	Source
🕒	GEOBOX	geobox	🏢 Anyone in my organization	Autodesk Build (BIM360)
🕒	Technorama	technorama	👤 My team only	Autodesk Build (BIM360)
🕒	GeoboxAG1	geoboxag1	🏢 Anyone in my organization	Autodesk Build (BIM360)
🕒	GeoboxAG	geoboxag	🏢 Anyone in my organization	Autodesk Build (BIM360)



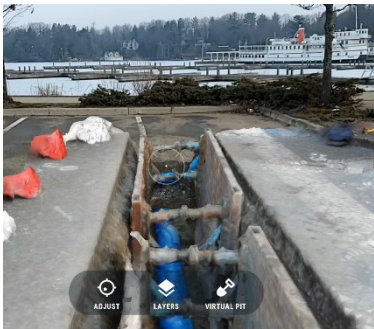
# Schnittstelle



BIM



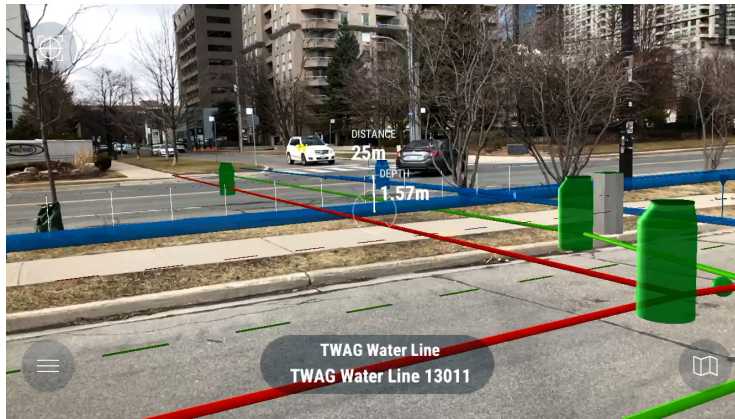
GIS



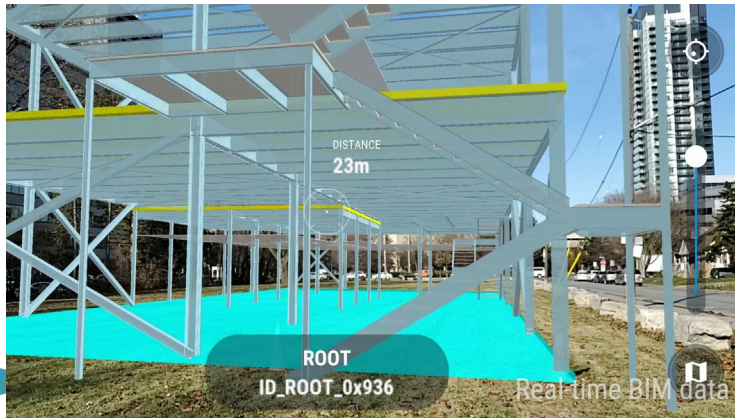
Reality Capture



# Einsatzgebiet



Begehungen



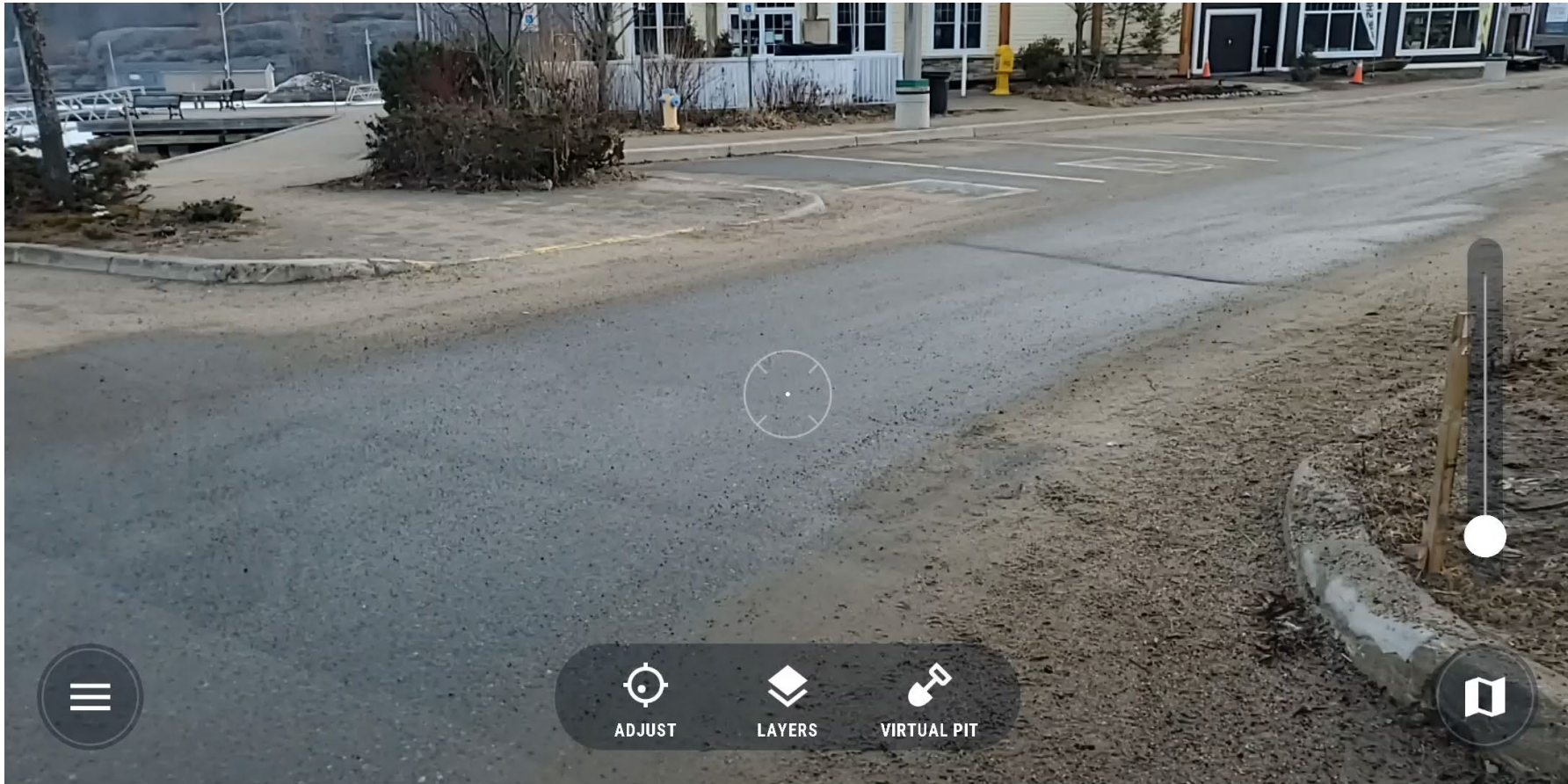
Planung



Öffentliche Auflagen/Genehmigungen



# 3D Lidar Scan

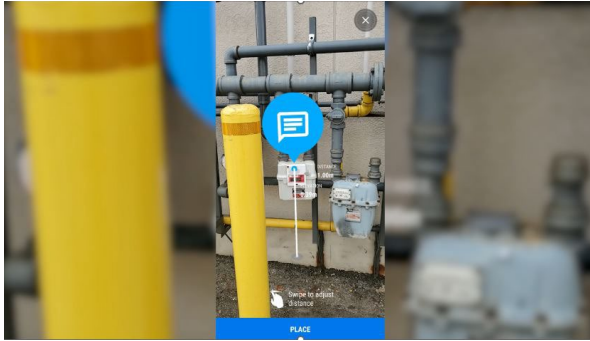


# Positionierungsmöglichkeiten





# Berichterfassung



The screenshot shows the Meemim Admin web interface. On the left is a navigation menu with options: DASHBOARD, USER REPORTS, DATA COLLECTION, COMPANIES, TEAMS, ADMINS, DEVICES, LAYERS, DATA SOURCES, HELP, MY PROFILE, and LOGOUT. The main content area is split into two views: a map view and a table view. The table view displays a list of reports with the following data:

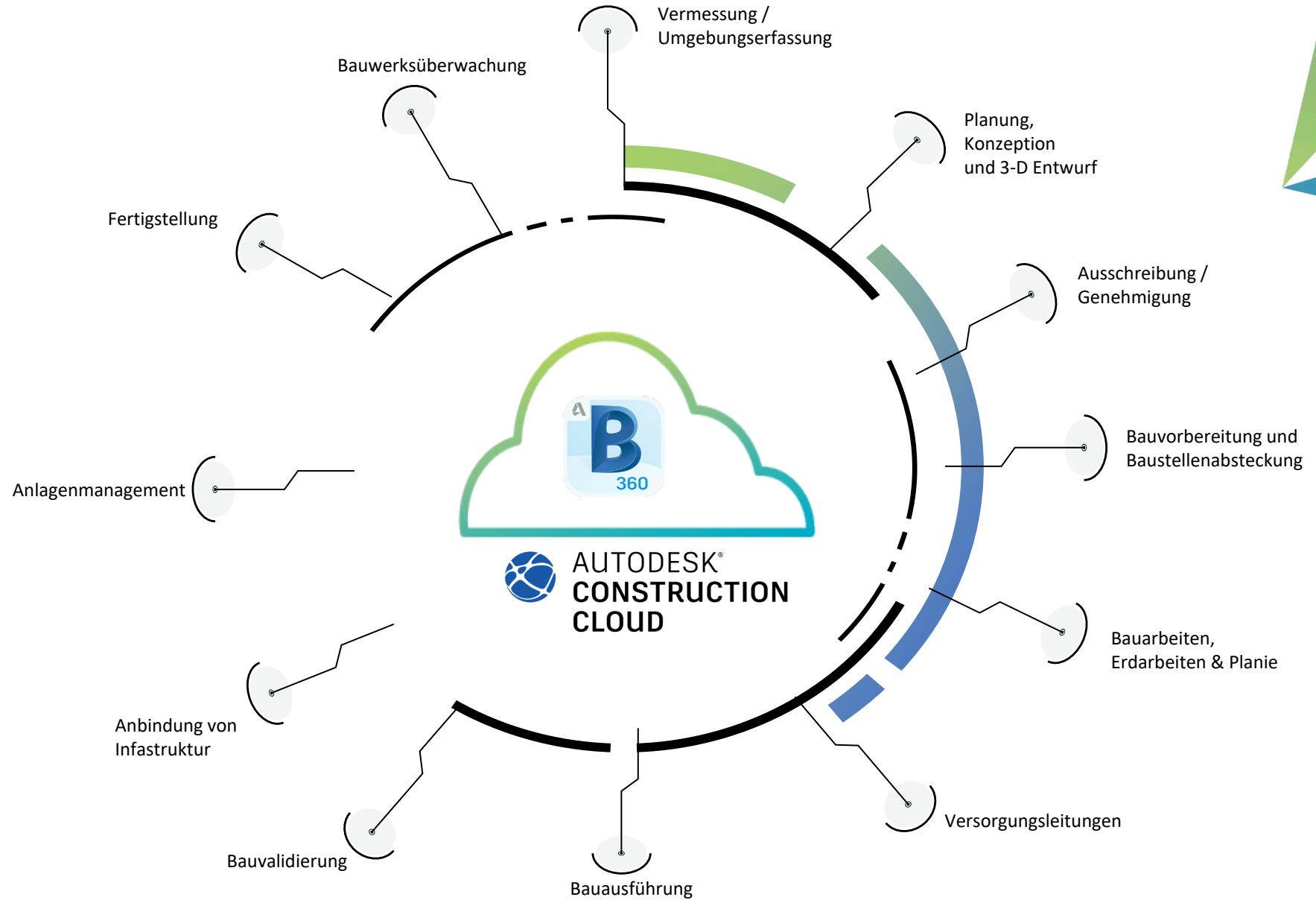
Time	Device	Identifier	Image	Description
2019-03-19 09:14	HUAWEI ANE-LX1	vgis-demo-6		EW
2019-03-18 18:31	iPad (2)	vgis		Tap valve
2019-03-18 18:25	iPad (2)	vgis		Vault
2019-03-18 18:24	iPad (2)	vgis		Fiber

This screenshot shows a detailed view of a report in the Meemim Admin system. It features a map view with a satellite overlay and a table of report details. The table data is as follows:

Time	Device	Identifier
2019-03-19 09:14	HUAWEI ANE-LX1	vgis-demo-6
2019-03-18 18:31	iPad (2)	vgis
2019-03-18 18:25	iPad (2)	vgis
2019-03-18 18:24	iPad (2)	vgis

The interface also includes a sidebar menu, a search bar, and a 'Show archived' toggle. At the bottom, it shows 'Items per page: 25' and '1 - 25 of 240'.

# iFC-Model





# Am Markt-Stand für Sie da

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