



ÁTALAKULÓ SZAKMÁNK

Új technológiák hatása → BIM

SEMMI SEM ÁLLANDÓ, CSAK A VÁLTOZÁS MAGA.



HÉRAKLEITOSZ

**A SOK TUDÁS NEM TANÍT MEG A HELYES
GONDOLKODÁSRA.**

Felmérés régen



Felmérés régen



Kitűzés régen



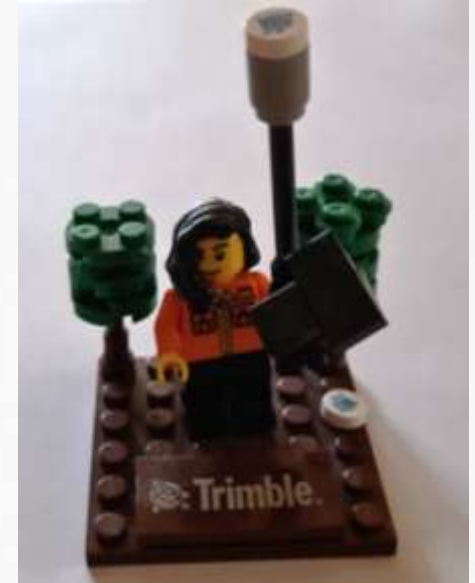
Szint beállítás régen



Koedukált szakma



Egyre népszerűbb



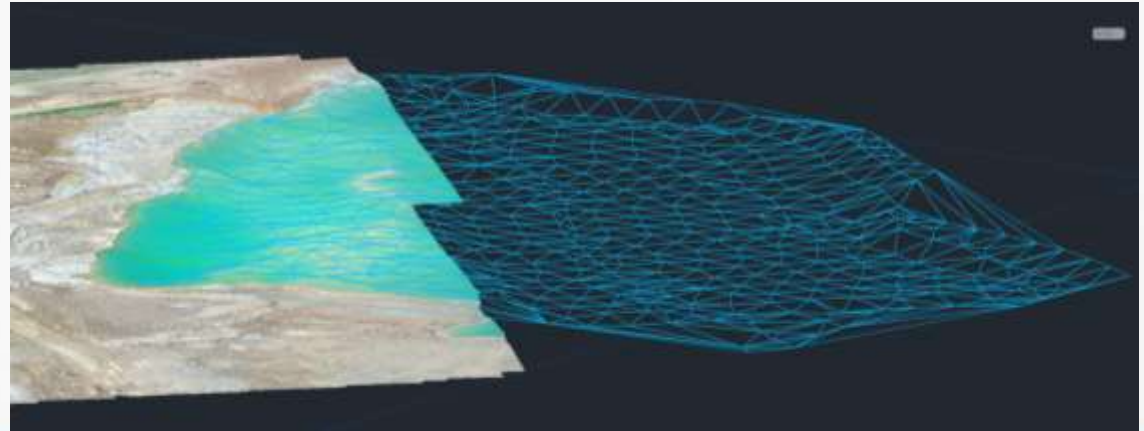
Adatgyűjtés eszközei



Adatgyűjtés eszközei



Adatgyűjtés eszközei



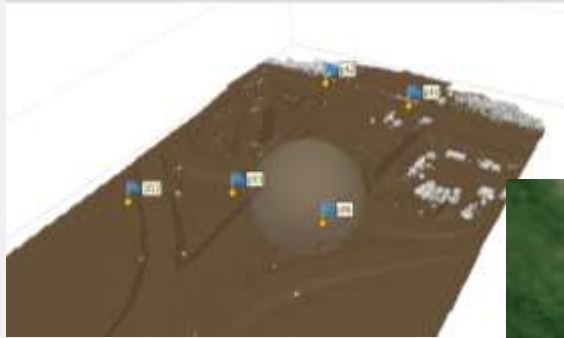
Adatgyűjtés eszközei



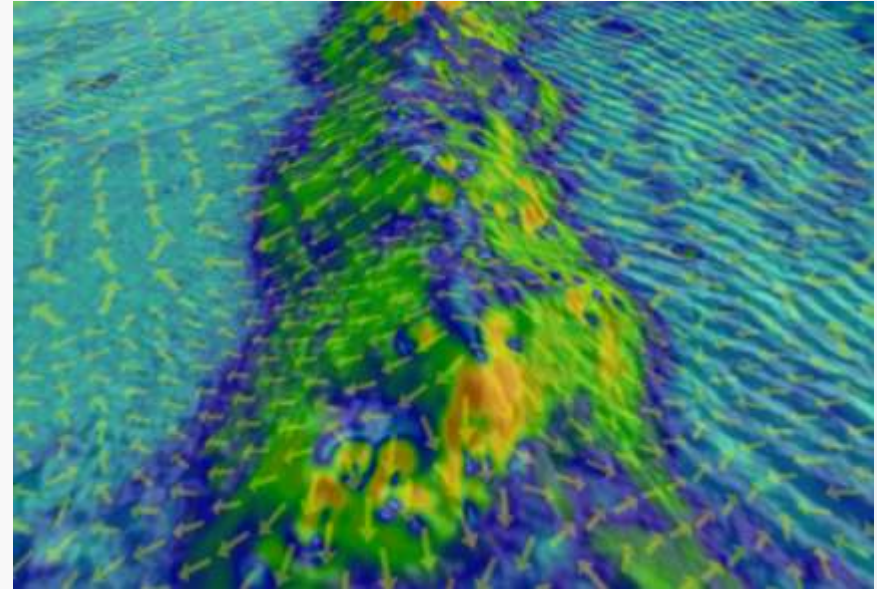
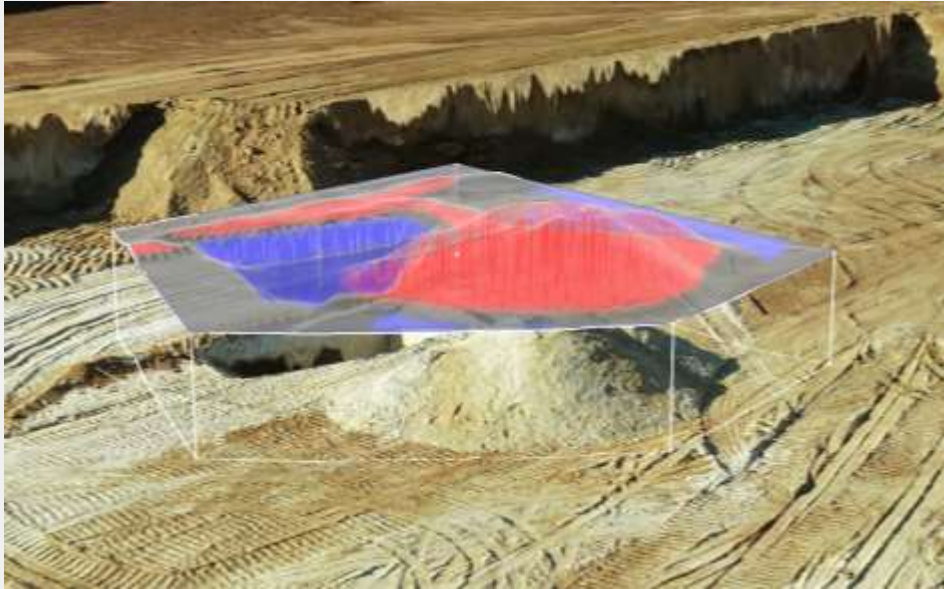
Adatgyűjtés eszközei



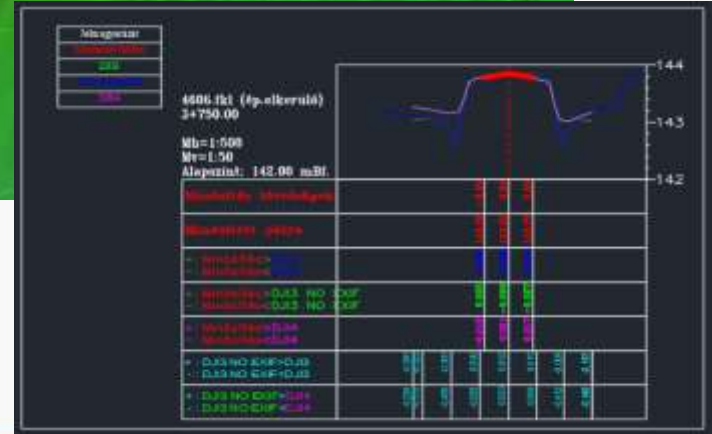
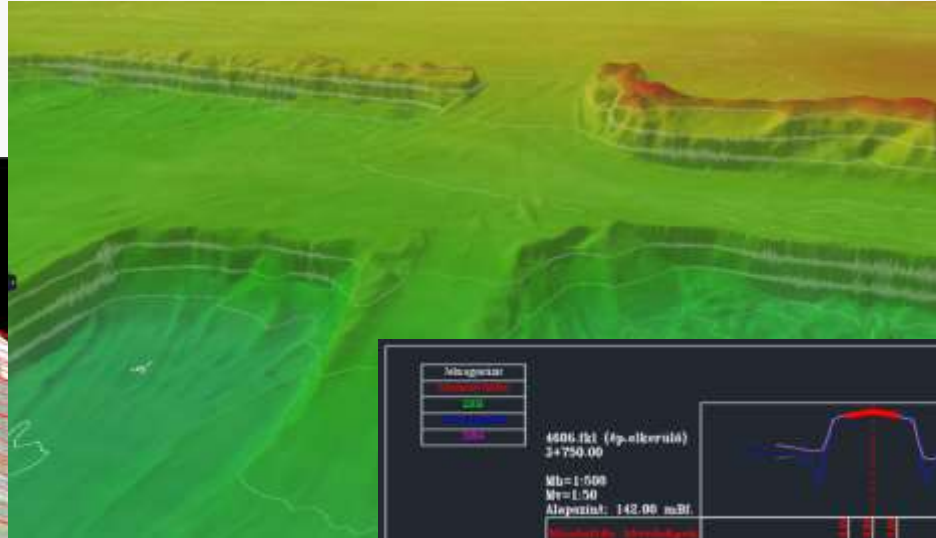
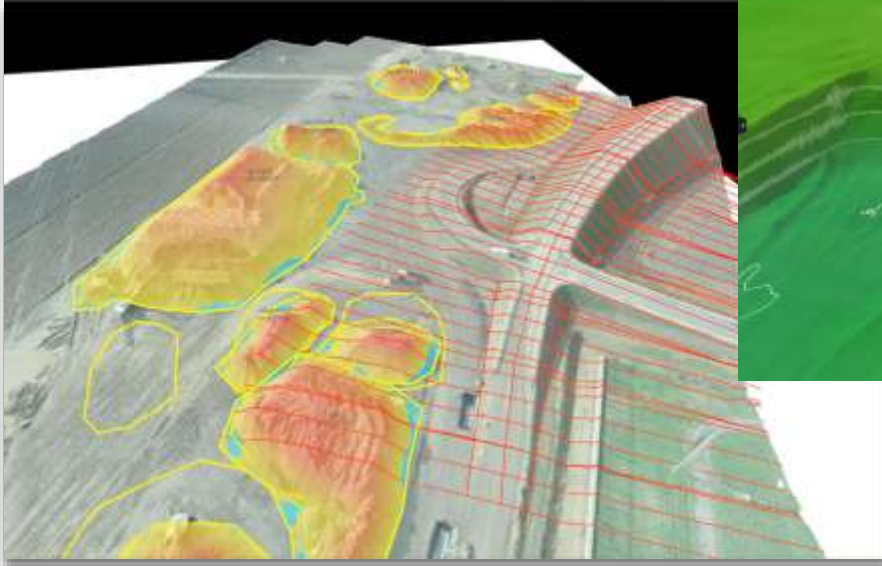
Adatfeldolgozás



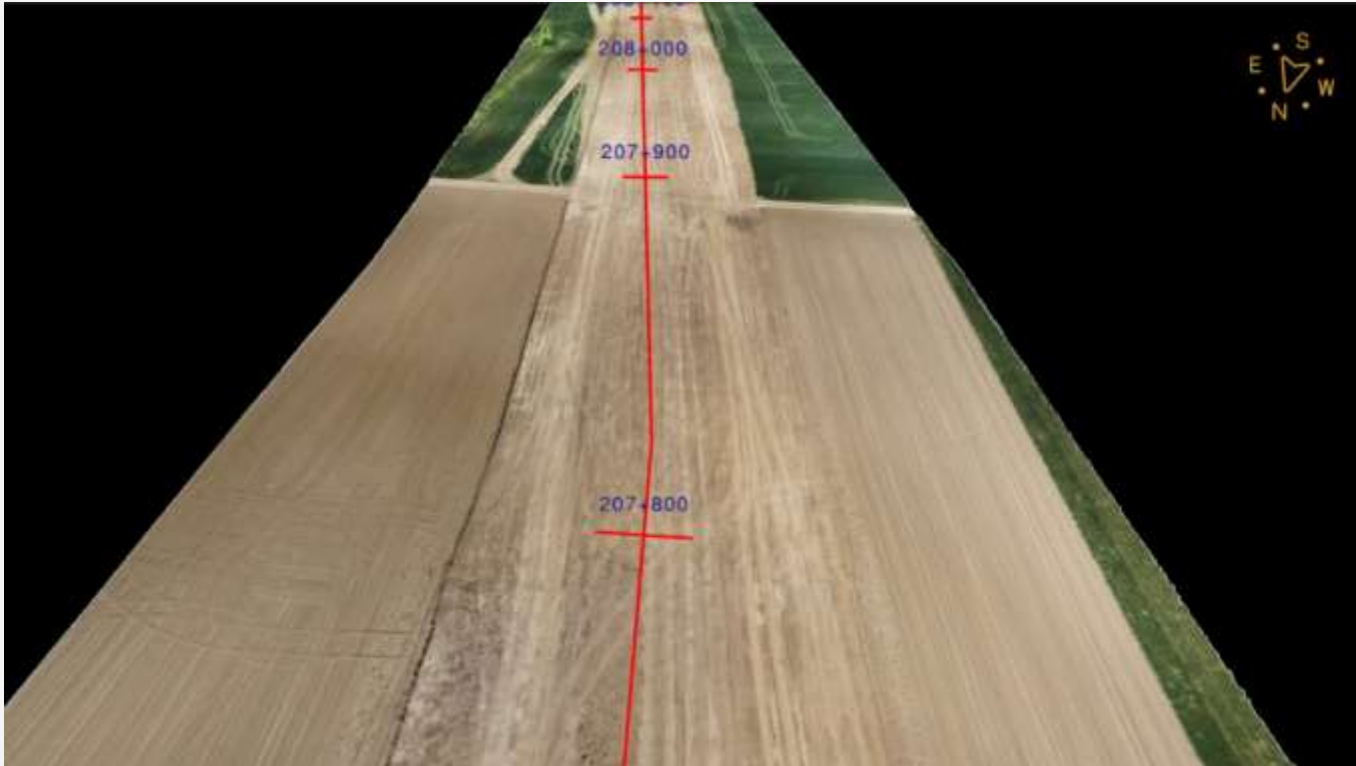
Adatfeldolgozás



Adatfeldolgozás



Adatfeldolgozás



Miért is? → BIM!

The screenshot displays the Bentley MicroStation software interface. The central 3D view shows a detailed BIM model of a road interchange, including roadways, buildings, and terrain. The interface is divided into several panels:

- Project Browser (Left):** Lists various project elements such as 'V 30 000', 'V 4000', 'S04 ROAD MARKING', 'S1 ROAD DRAINAGE', 'S2 CONSTRUCTIONS', 'S0 RAIL', 'T0 WBS', 'S0 LANDSCAPE', and 'S0 PRESENTATIONS'. It also shows '3D Model - plan view' and '3D Model - complete with WMS'.
- Properties Window (Bottom Left):** Shows details for a selected 'WMS' object, including its name, description, type, creation date, and WMS URL.
- Presentation Setup (Right):** A window titled 'Presentation Setup (3D Model) - complete with WMS' showing a list of objects to be included in the presentation. The list includes 'WMS', 'All Objects', and various road construction layers like 'Building Boundary surfaces', 'Utility Network WS-network Pipes', 'Side Areas for Road, Railway and Air...', 'Road Construction Road Subgrade', 'Road Construction Structural Layer', 'Road Traffic Area Road Carriageway', 'Road Construction Foundation Layers', and 'Road Traffic Area Traffic Divider'.

* Internetről származó ismertető kép (wordpress.com)

Építmény életrciklus



© Szabó Beatrix

Mi kell hozzá?



Adatgyűjtő

Rögzítik az aktuális állapotot. Ennek eredményei kerülnek be a tervezőszoftverekbe.



Pl.: Pontfelhő



BIM tervező

3D modell létrehozására és azok szükséges adatokkal való feltöltésére szolgáló szoftverek



3D BIM Modell



Eszköz

A BIM-modellel és a hozzá kapcsolt külső adatbázisokkal dolgoznak

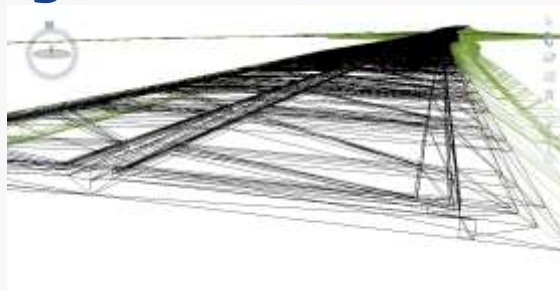
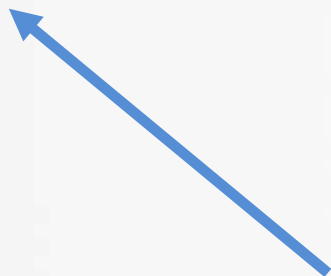


4D, 5D, 6D és 7D

Miért jó?



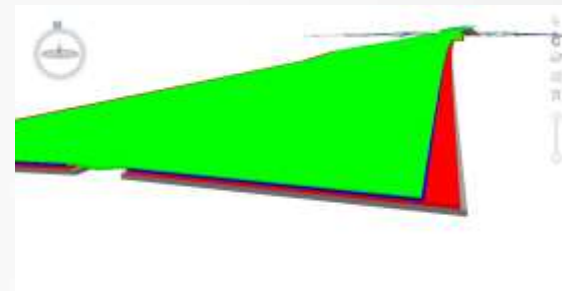
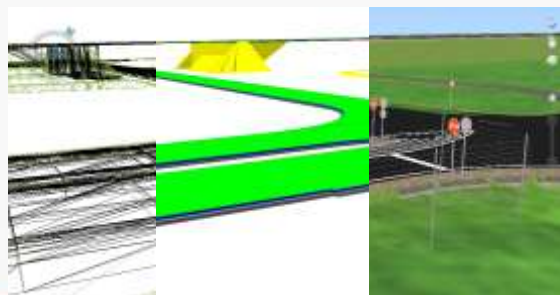
Vizualizáció



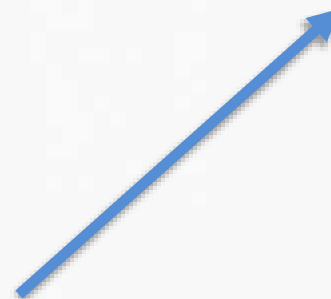
Digitális modell



3D BIM MODELL



Adat modell



Innovatív megjelenítések

Helyszínen



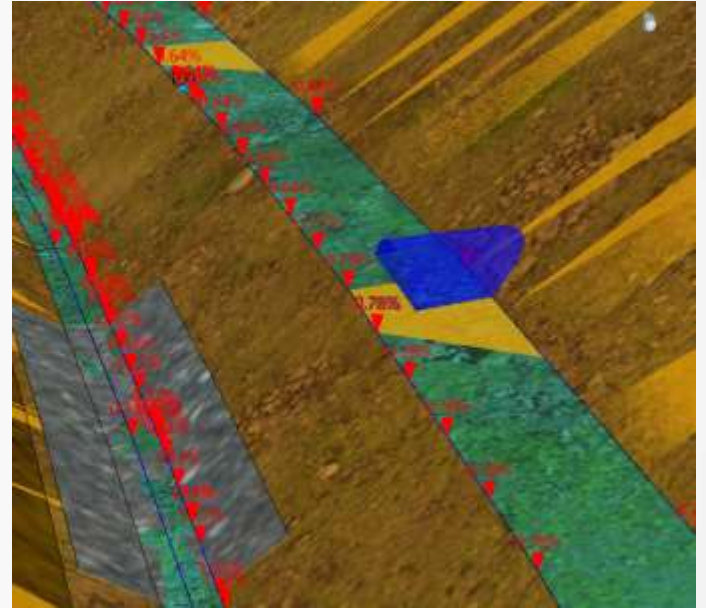
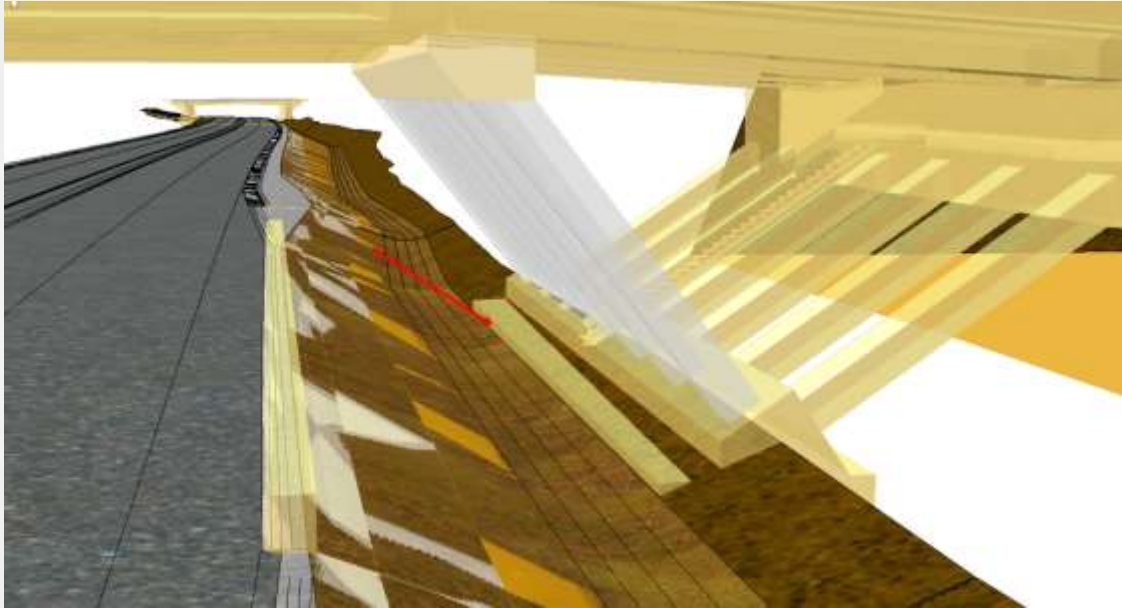
Irodában



Vizualizálás



Ellenőrzés

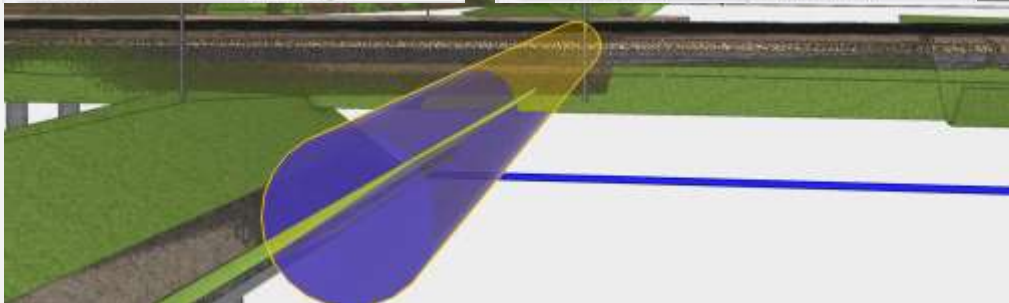


Ellenőrzés

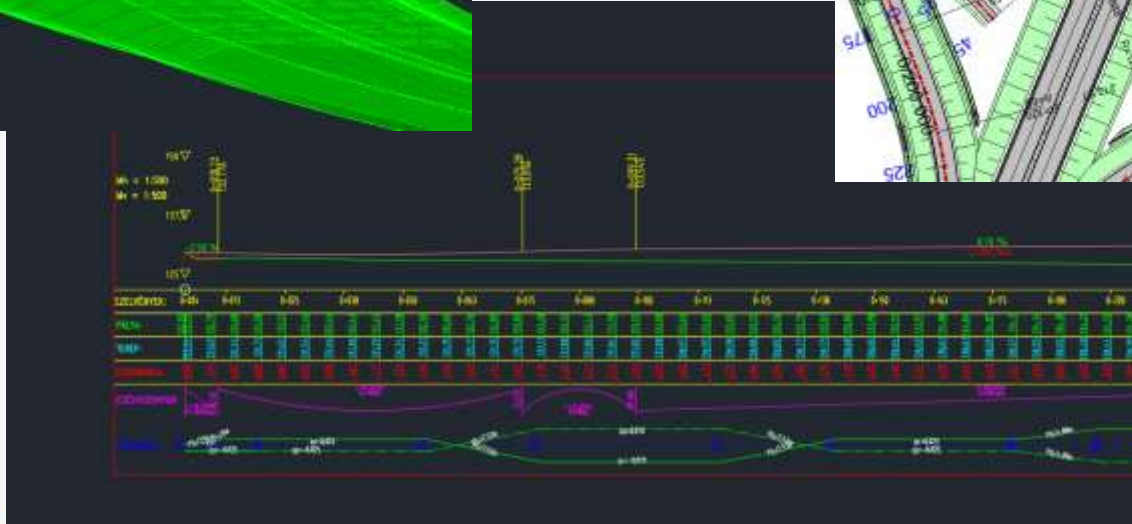
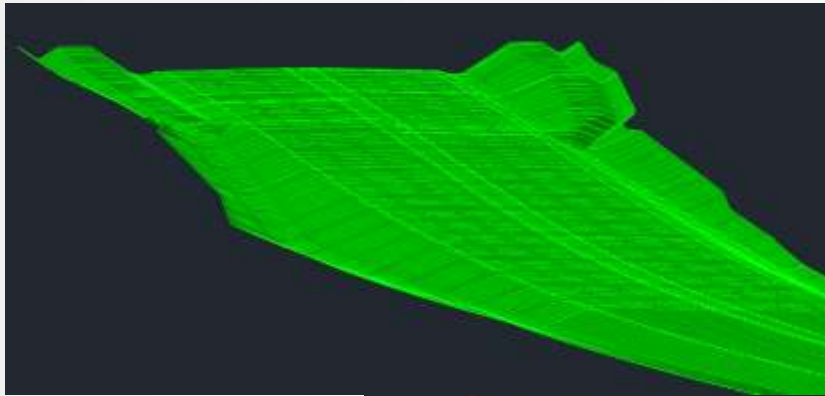
StructuralLayer	
Identification	
Name	System_0 Base course 2
proposedOrExisting	Designed [0]
Classification	
Tasks	
Task	Gyanta_0
Valid time period	
Valid from	01/01/2020
Valid until	
Specific	
textValue	7. kőzet
partOfLession	System_0
aggregate	Asphalt [0]
layerDescription	2. Base course [0]. BIVÉNYT, BAKT. COUR...
material	PCAD
Geometry	
solid	Shell Only
Volume	20.7108
Surface 1	1.78
Surface 2	1.78
Surface 3	1.78
Surface 4	1.78
Network Location	
Along Network	1 extent
Along Location	178.7m 222.3m @ 2%

Properties	
ProxyFeature	
Identification	
Name	REVT_GST_StructuralFraming
proposedOrExisting	
Classification	
Tasks	
Task	81.453.145+321.985_műtárgy.m...
Valid time period	
Valid from	12/05/2021
Valid until	
Specific	
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Revt ElementId	351571
Volume	14.06 m³
Volume	14.06 m³
Revt Category	Structural Framing
Revt Category	Structural Framing

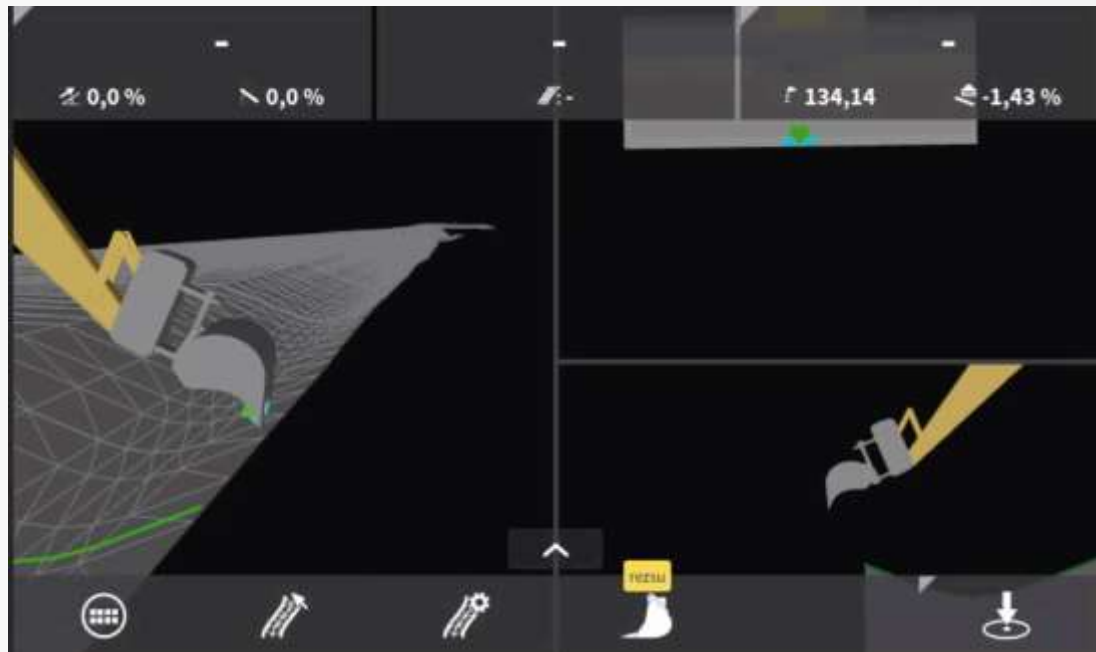
WaterPipeline	
Identification	
Name	Pipe - (57)
proposedOrExisting	Designed [1]
Classification	
Tasks	
Task	Átereszek
Valid time period	
Valid from	25/11/2020
Valid until	
Specific	
genericPropertyList	31 elements
Civil3dObjectType	Pipe
Civil3dObjectName	Pipe - (57)
Layer	CSÓÁTERESZEK
Description	Betoncső SI
DWGNAME	D_ateresz_32-574-51-000_2020...
DWGFULLNAME	C:\Users\erwin\AppData\LocalT...
ExternalID	89947
C3dNameSpace	3Im6U2qCO0KjWc4wo1rsw=
FeaturePhase	ENUM:119115
01_Hrz	D1_04.14_K_V0
10 of 31 items presented	
metadata	



Kontroll – Geodézia



Kontroll – Gépvezérlés



Fenntartás – Üzemeltetés

Jövő?



Talán!



KÖSZÖNÖM A FIGYELMET!

