A Quick Guide to Wavin CAD content

What is CAD?

CAD is Computer-Aided Design programs – such as Autodesk's AutoCad or Civil3D – to design various models and components in the high detailed 2D drawings and 3D models. CAD programs are used widely by construction engineers, especially for designing of the civil infrastructure projects.

CAD formats

Some of the most popular formats for 2D drawings include DXF and DWG, while 3D formats include DWG, Solidworks, Creo and a host of standard formats like IGES, STEP and SAT.

Wavin CAD content library are freely available in the external libraries such as Focus Vardak and Novapoint in both 2D and 3D formats, and on local website (ask your local represetant).

How to begin with Focus Vardak?

1. Start Focus Vardak software with its own start-up program from the start menu or the desktop.
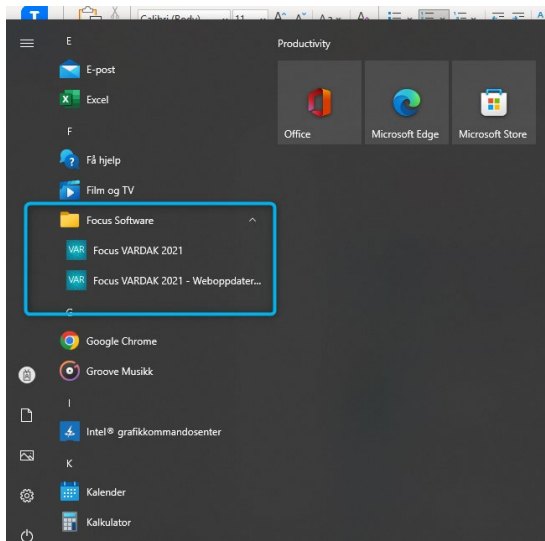

- ⊙ Focus Vardak app which based on Autodesk software includes own Focus Vardak ribbon.
- ⊙ Focus Vardak ribbon contains different editing commands, and what is the most important Vardak CAD library with the wide set of the digital's products from various suppliers.
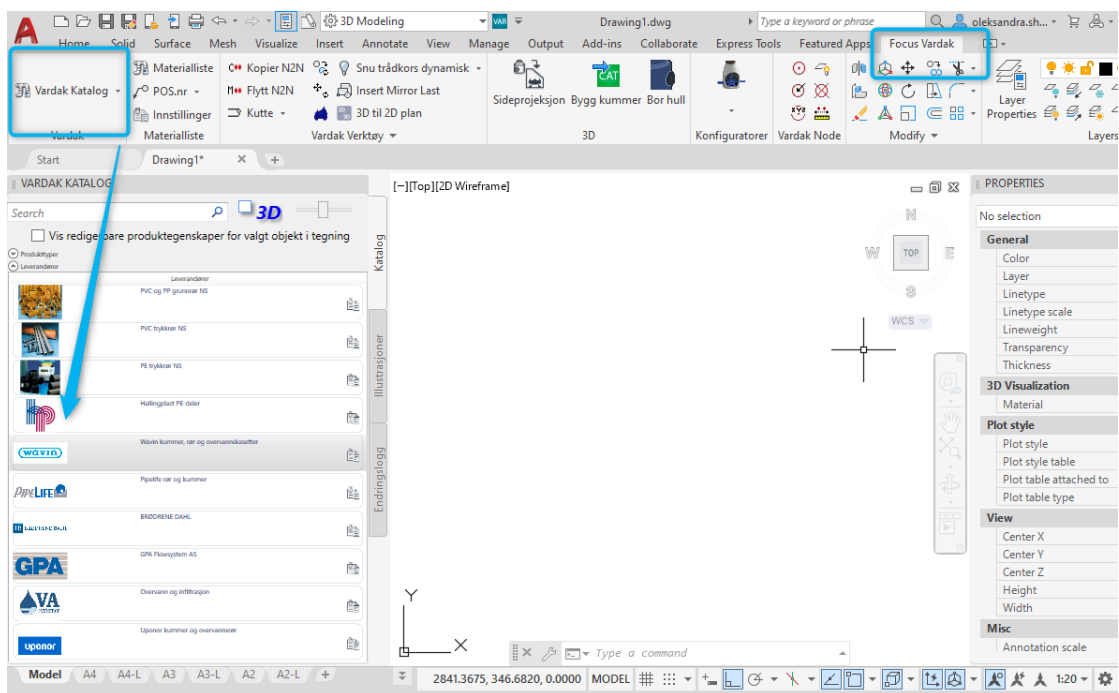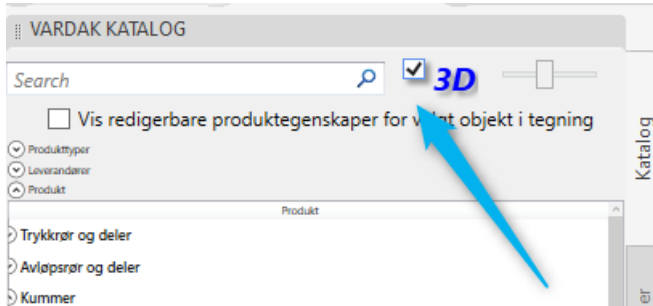
2. Within "Suppliers" folder you find the Wavin folder. Please open the "suppliers" folder with Wavin products.

⊙ Wavin CAD library has the strict products hierarchy, that makes it easy for customers to navigate and to find the necessary models.
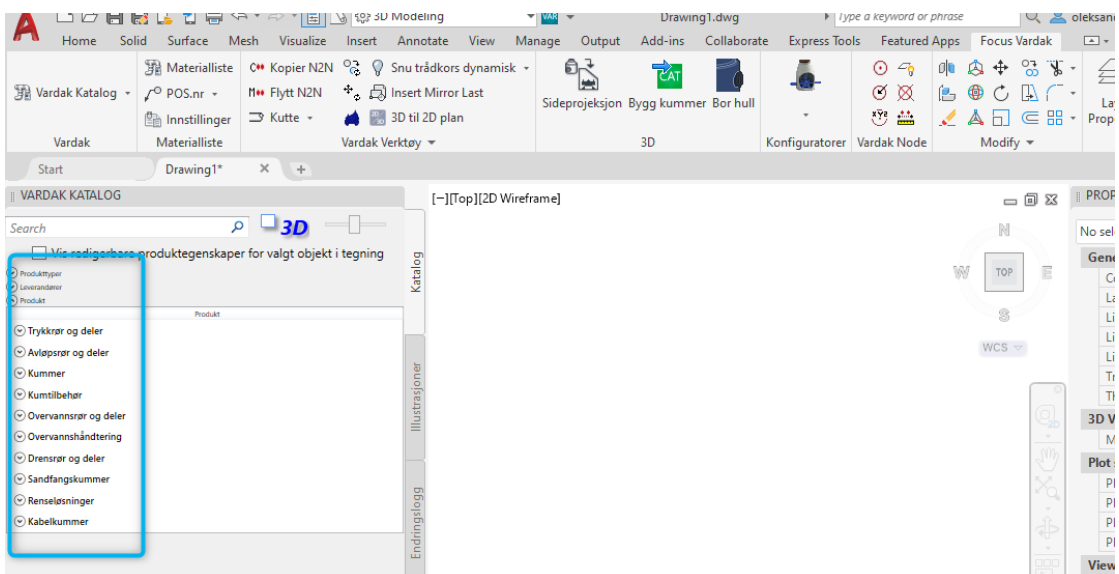
3. Drawing in 3D

⊙ By default, all models show in 2D. In order to create the 3D drawings, the 3D icon
need to be chosen.

⊙ By checking 3D for the top of the Vardak catalog palette, the CAD blocks will be drawn in 3D and show
only those are available in 3D.

⊙ Please select the folder with the desired products category from the Vardak Katalog.
Click on the "Draw the product" bottom with a product you want to use.
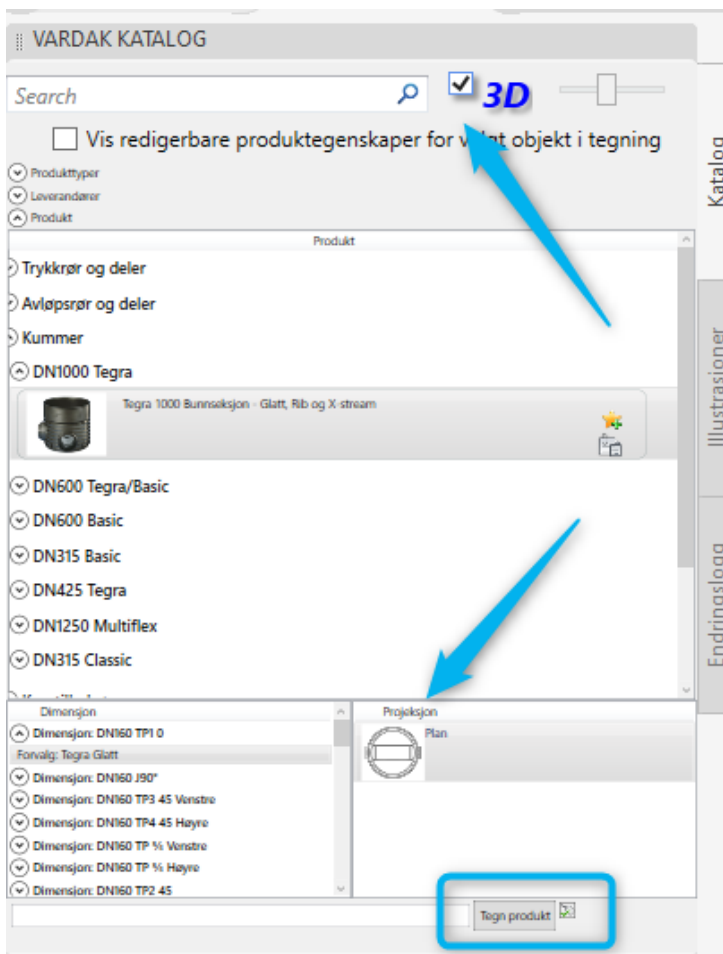
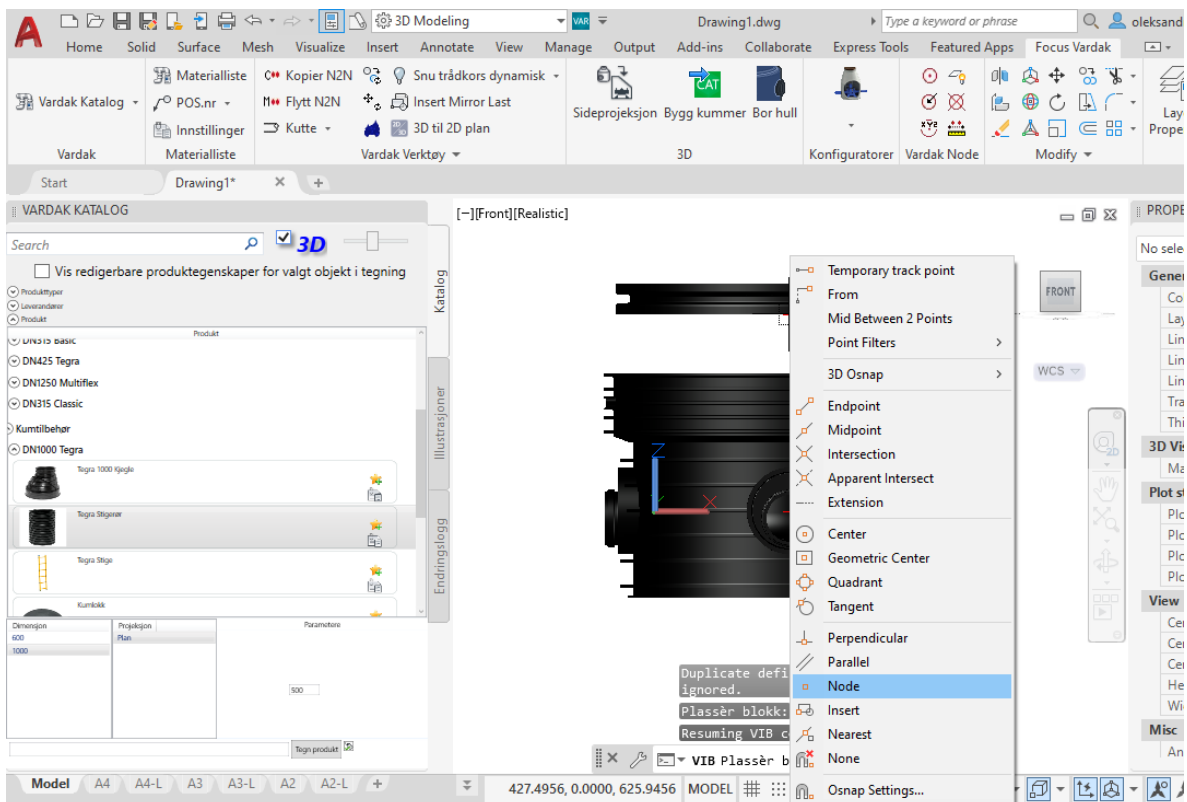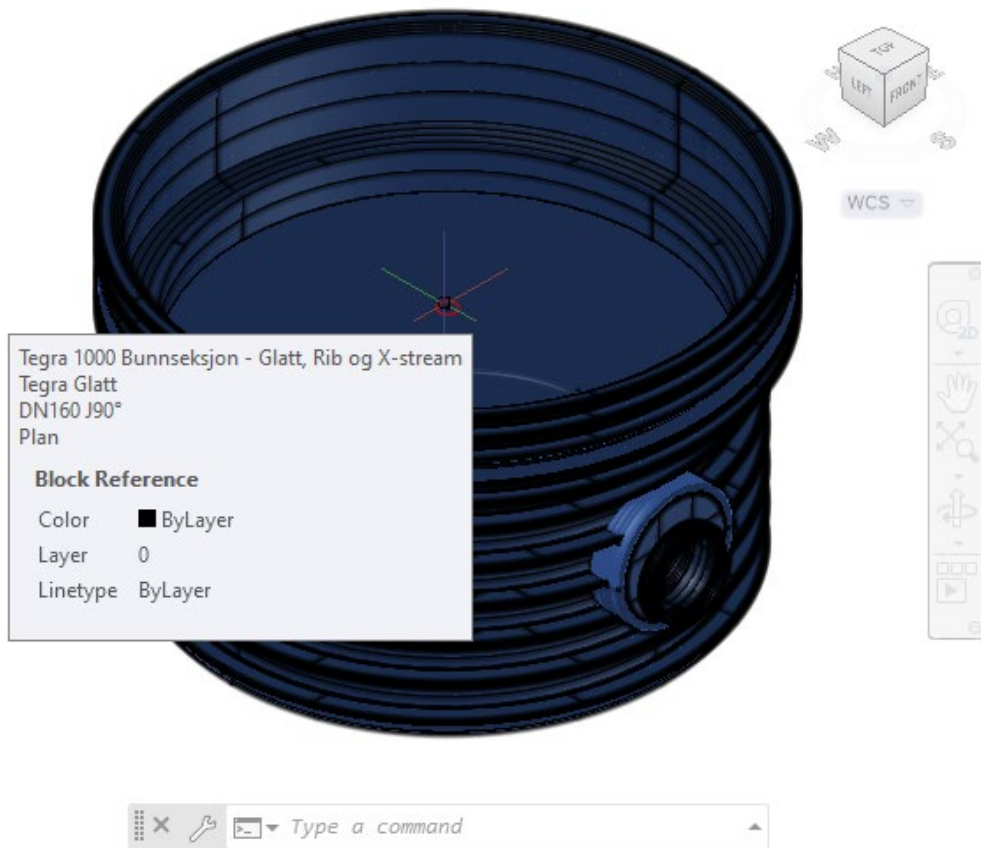⊙ Place the object ⠿ ✕ ⚲ ▭▾ VIB Plassèr blokk: 0,0 ▲ on the model view.
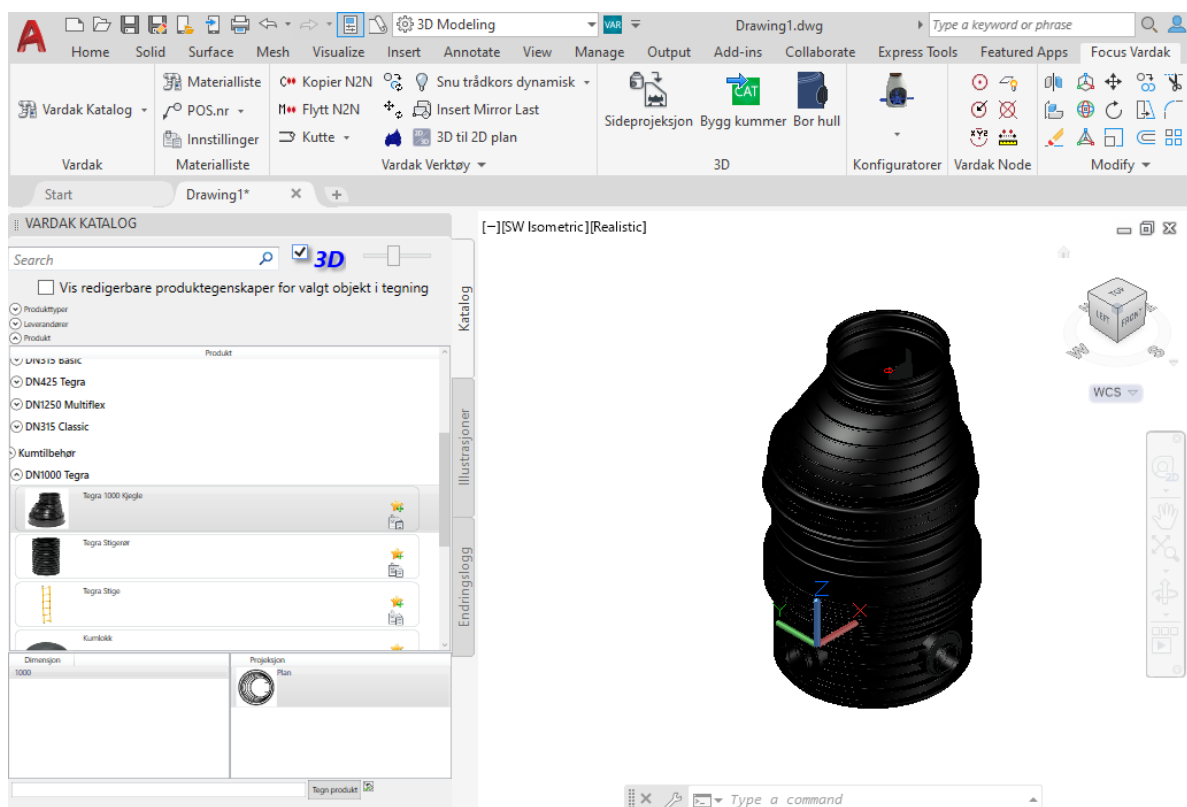
OBS: Click 0,0 and enter to place it in centrum of the view.
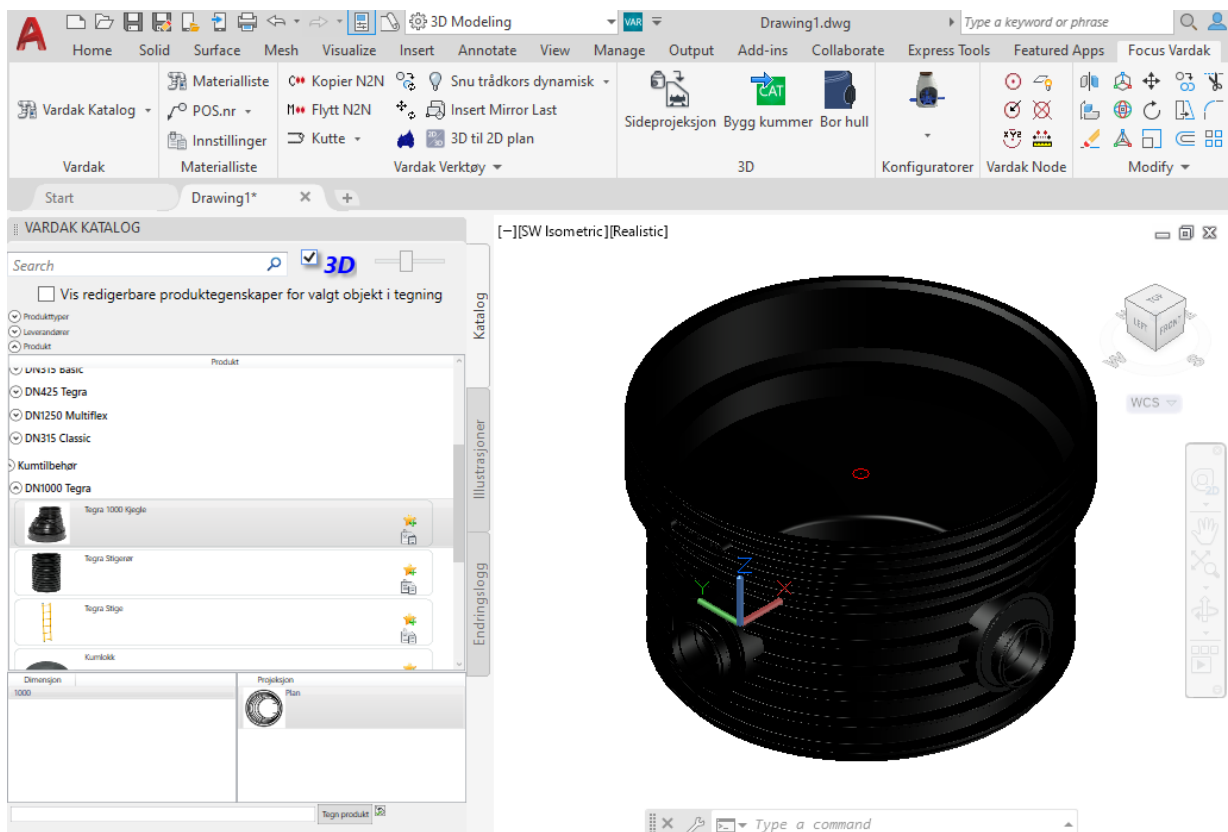
⊙ Each product on Focus Vardak has a unique name, product information and a node point to connect the parts correctly.

[−][SW Isometric][Realistic]

Tegra 1000 Bunnseksjon - Glatt, Rib og X-stream
Tegra Glatt
DN160 J90°
Plan

Block Reference

Color   ■ ByLayer

Layer   0

Linetype   ByLayer

WCS

Type a command

3D Modeling   Drawing1.dwg   Type a keyword or phrase   oleksand

Home   Solid   Surface   Mesh   Visualize   Insert   Annotate   View   Manage   Output   Add-ins   Collaborate   Express Tools   Featured Apps   Focus Vardak

Vardak Katalog   Materialliste   Kopier N2N   Snu trådkors dynamisk   Sideprojeksjon   Bygg kummer   Bor hull   Konfiguratorer   Vardak Node   Layer   Prope
POS.nr   Flytt N2N   Insert Mirror Last
Innstillinger   Kutte   3D til 2D plan

Vardak   Materialliste   Vardak Verktøy   3D   Konfiguratorer   Vardak Node   Modify

Start   Drawing1*   +

VARDAK KATALOG

Search   ☑ 3D

Vis redigerbare produktegenskaper for valgt objekt i tegning

Katalog
Produkttyper
Leverandører
Produkt

Produkt
DN315 Basic
DN425 Tegra
DN1250 Multiflex
DN315 Classic
Kumtilbehør
DN1000 Tegra

Illustrasjoner

Tegra 1000 Kjegle

Tegra Stigerør

Endringslogg

Tegra Stige

Kumlokk

Dimensjon   Projeksjon   Parametere
600   Plan
1000

500

Tegn produkt

Model   A4   A4-L   A3   A3-L   A2   A2-L   +

427.4956, 0.0000, 625.9456   MODEL

[−][Front][Realistic]

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From
Mid Between 2 Points
Point Filters
3D Osnap
Endpoint
Midpoint
Intersection
Apparent Intersect
Extension
Center
Geometric Center
Quadrant
Tangent
Perpendicular
Parallel
Node
Insert
Nearest
None
Osnap Settings...

Duplicate defi
ignored.
Plassèr blokk:
Resuming VIB c

VIB Plassèr b

5

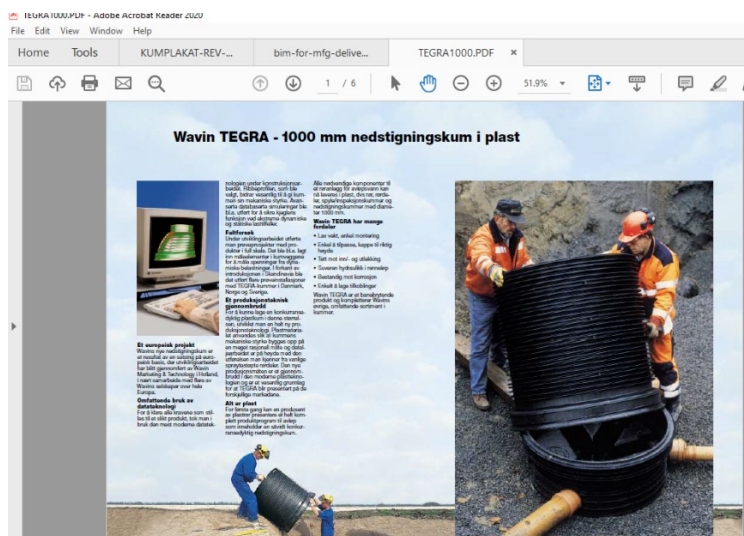## 4. Product documentation

⊙ CAD objects (blocks) are the collection of geometry and its associated information. Each product in Vardak has connected product information and documentation.

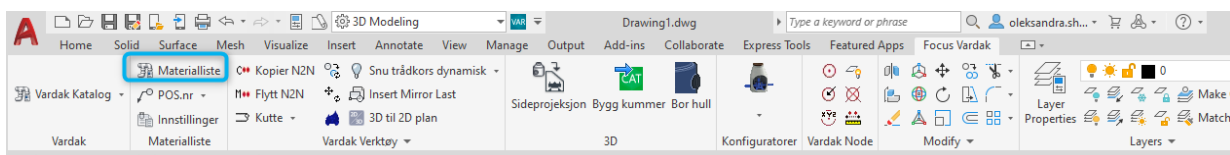⊙ Press the button marked bellow to get access to the product documentation provided by supplier.
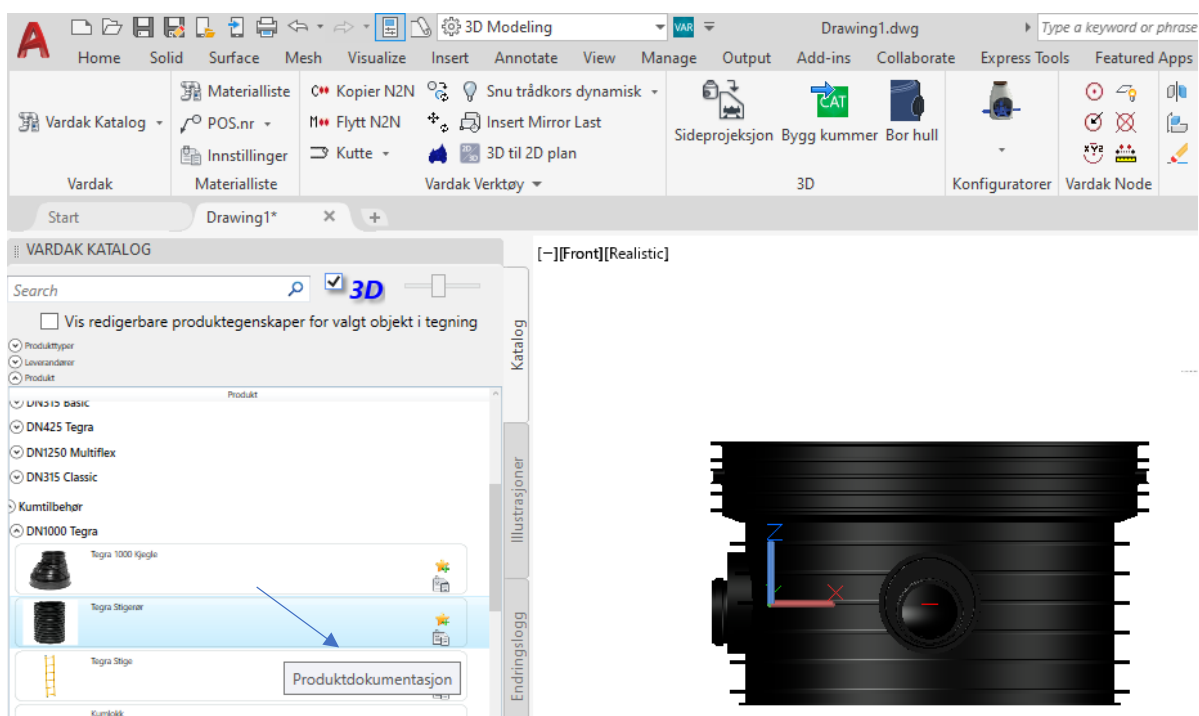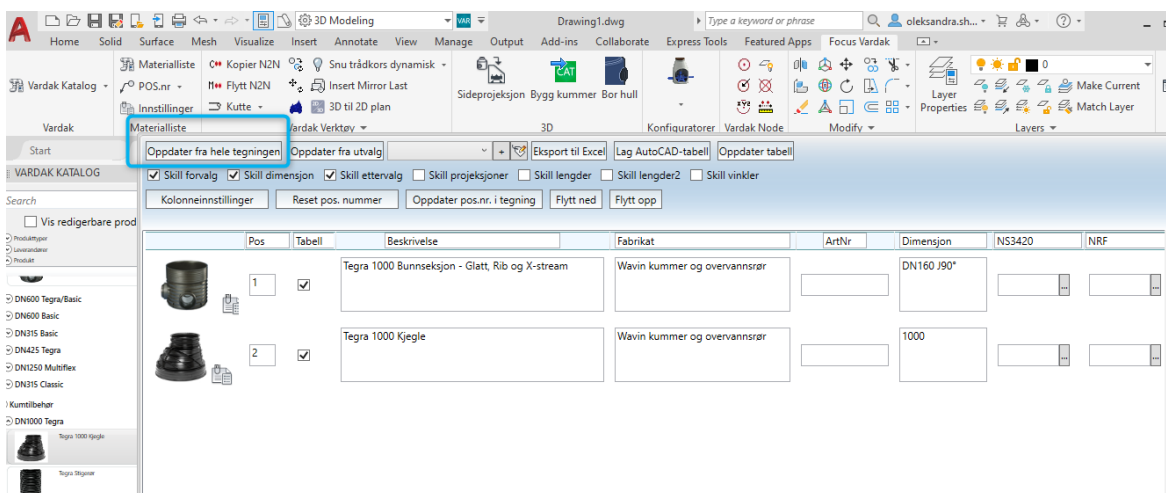
5. Materialist (BOM)

⊙ Focus Vardak has a feature to automatically produce the exact BOM that is ready to sent to purchasing.

⊙ It is possible to create the BOM based on the whole drawing or part of it.

- In the pop up window, it is possible to make necessary adjustments, and export the BOM to the format you need. Export to Excell table:

|	A	B	C	D	E	F	
	Pos	Beskrivelse	Fabrikat	ArtNr	Dimensjon	NS3420	
	1	Tegra 1000 Bunnseksjon - Glatt, Rib og X-strea	Wavin kummer og overvannsrør		DN160 J90°		
	2	Tegra 1000 Kjegle	Wavin kummer og overvannsrør		1000		

- Export in the form of an AutoCad table.

	POS-LISTE					
Pos	Beskrivelse	Fabrikat	ArtNr	Dimensjon	NS3420	NRF
1	Tegra 1000 Bunnseksjon - Glatt, Rib og X-stream	Wavin kummer og overvannsrør		DN160 J90°		
2	Tegra 1000 Kjegle	Wavin kummer og overvannsrør		1000		

How to begin with Novapoint?

Novapoint is one of the BIM Software that are developed by Trimble Solutions (formerly known as Vianova Systems) and dedicated to designing of infrastructure projects.

1. Start Novapoint software with its own start-up program from the start menu or the desktop.
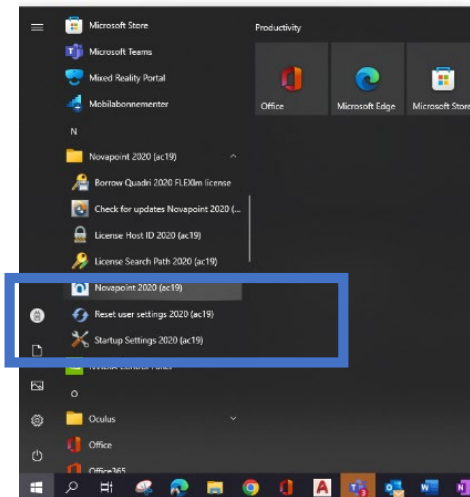
⊙ Novapoint ribbon contains different editing commands, and what is the most important Product CAD library with the wide set of the digital's products from various suppliers.

⊙ Novapoint is available in all Scandinavian countries.

PRODUCT LIBRARY

Norway, Sweden, Denmark

- https://dl.trimble.com/ccs/novapoint/productlib/download_ws_symbol_objects_all.zip
- https://dl.trimble.com/ccs/novapoint/productlib/download_ws_symbol_objects_oyer_kommune.zip
- https://dl.trimble.com/ccs/novapoint/productlib/download_ws_symbol_objects_lillehammer_kommune.zip
- https://dl.trimble.com/ccs/novapoint/productlib/download_ws_symbol_objects_gausdal_kommune.zip
- https://dl.trimble.com/ccs/novapoint/productlib/download_road_symbol_objects_all.zip
- https://dl.trimble.com/ccs/novapoint/productlib/download_railway_symbol_objects_all.zip
- https://dl.trimble.com/ccs/novapoint/productlib/download_landscape_symbol_objects_all.zip
- https://dl.trimble.com/ccs/novapoint/productlib/download_landscape_symbol_objects_asak.zip

Finland

- https://dl.trimble.com/ccs/novapoint/productlib/finland/Download_WS_Symbol_Objects_All.zip

2. Set up the product library

⊙ Download the desired Product library

⊙ To do it please select which product library you want to use and download it. You activate this function under the Novapoint ribbon and by clicking on the small arrow pointing down below the product library.
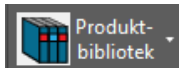
⊙ The library comes as a zip file. Save and unpack this zip in the desired area.
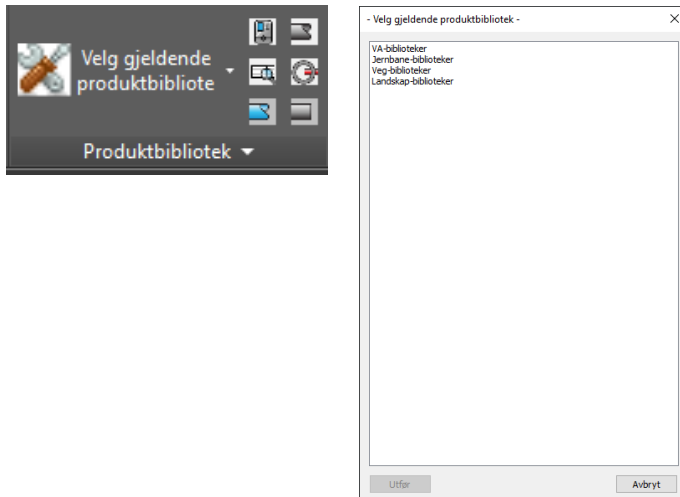
⊙ Set path to libraries on your PC.

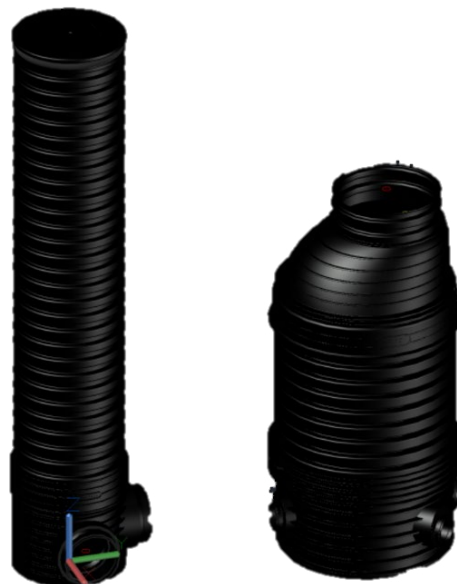⊙ Now you are ready to start the Product library by using the "Product Library".
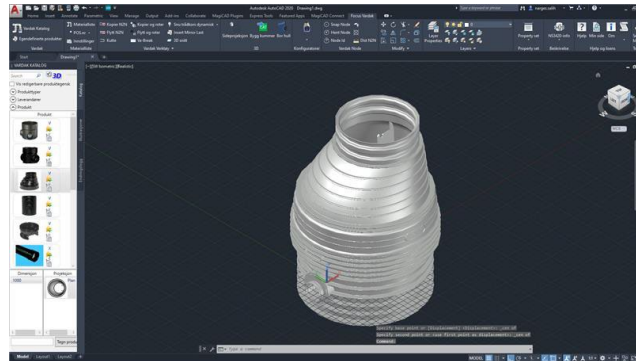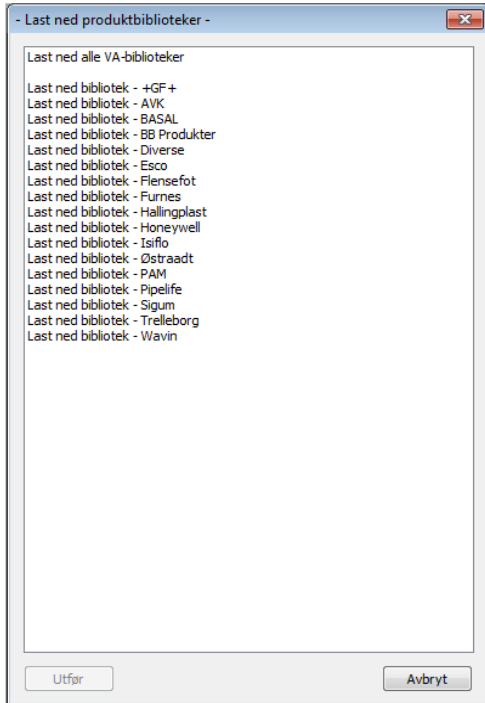
Product library

 Last ned Produktbiblioteker *(ligger under produktbibiloteker)*

Følgende vindu kommer frem:

Nr.	Navn	Kode
1	Produktinformasjon	
2	Leverandør	Wavin
3	Materiale	PP
4	Dimensjon	DN160
5	Trykklasse	-
6	Byggelengde	-
7	Byggehøyde	-
8	Vekt	-
9	NS-kode	-
10	Prosesskode	-
11	NRF	3225417
12	GTIN	-
13	Artikkelnummer	-
14	Artikkel tekst	-
15	Veil. pris	-
16	Miljø	-
17	Kommentar	-
18	Produktblad	

Materialist (BOM)

⊙ Novapoint has a feature to automatically produce the exact BOM that is ready to send to purchasing.
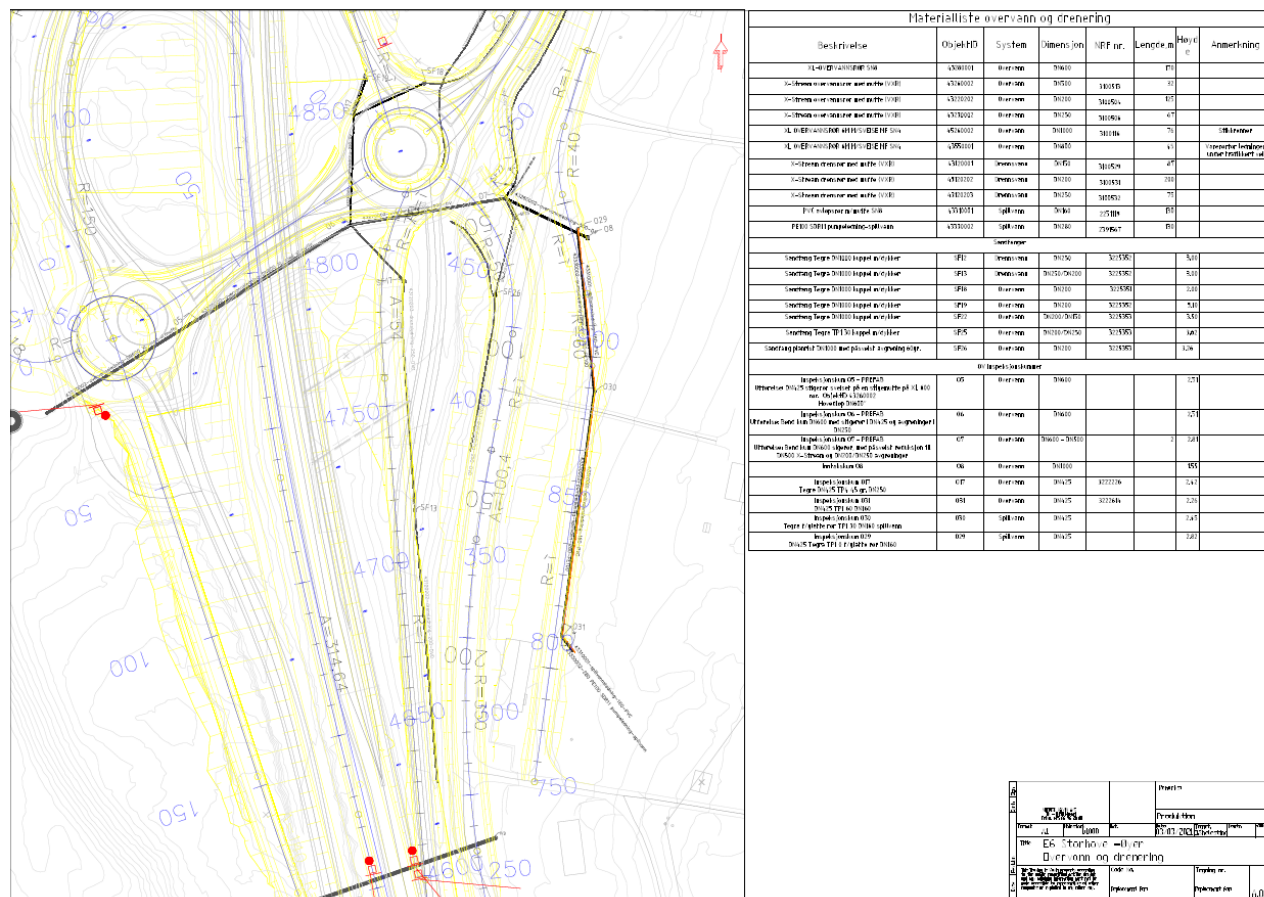
Materialliste overvann og drenering

Beskrivelse	ObjektID	System	Dimensjon	NRF nr.	Lengde,m	Høyde	Anmerkning
XL-OVERVANNSRØR SN8	43280001	Overvann	DN600		170		
X-Stream overvannsrør med muffe (VXR)	43260002	Overvann	DN500	3100513	32		
X-Stream overvannsrør med muffe (VXR)	43220202	Overvann	DN200	3100504	125		
X-Stream overvannsrør med muffe (VXR)	43230002	Overvann	DN250	3100506	67		
XL OVERVANNSRØR 6M M/SVEISE MF SN4	45260002	Overvann	DN1000	3100116	76		Stikkrenner
XL OVERVANNSRØR 6M M/SVEISE MF SN4	43550001	Overvann	DN800		45		Varerørfor ledninger under trafikkert vei
X-Stream drensrør med muffe (VXR)	43120001	Drennsvann	DN150	3100529	87		
X-Stream drensrør med muffe (VXR)	43120202	Drennsvann	DN200	3100531	200		
X-Stream drensrør med muffe (VXR)	43120203	Drennsvann	DN250	3100532	75		
PVC avløpsrør m/muffe SN8	43310001	Spillvann	DN160	2251119	130		
PE100 SDR11 pumpeledning-spillvann	43330002	Spillvann	DN280	2391567	130		
Sandfanger							
Sandfang Tegra DN1000 kuppel m/dykker	SF12	Drennsvann	DN250	3225352		3.00	
Sandfang Tegra DN1000 kuppel m/dykker	SF13	Drennsvann	DN250/DN200	3225352		3.00	
Sandfang Tegra DN1000 kuppel m/dykker	SF18	Overvann	DN200	3225351		2.00	
Sandfang Tegra DN1000 kuppel m/dykker	SF19	Overvann	DN200	3225352		3.10	

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