

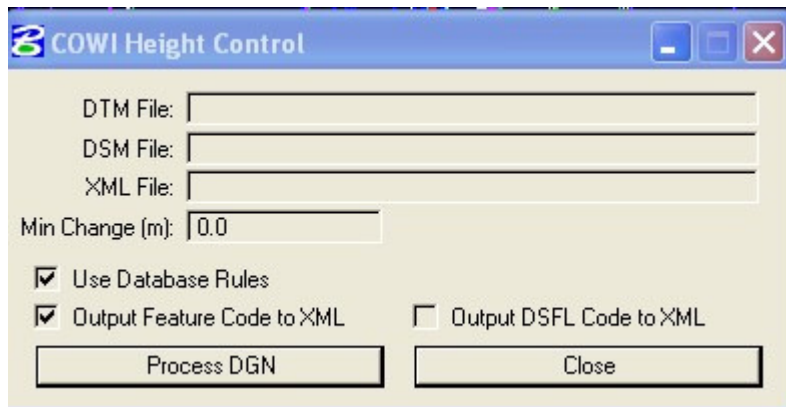
# Produktion af FOT



- Produktion i Indien og Kina.
- Dataforberedelse, QC og levering i Danmark
- Behov for værktøjer til validering af krav i FOT til geometri, struktur og database.

# Produktion af FOT

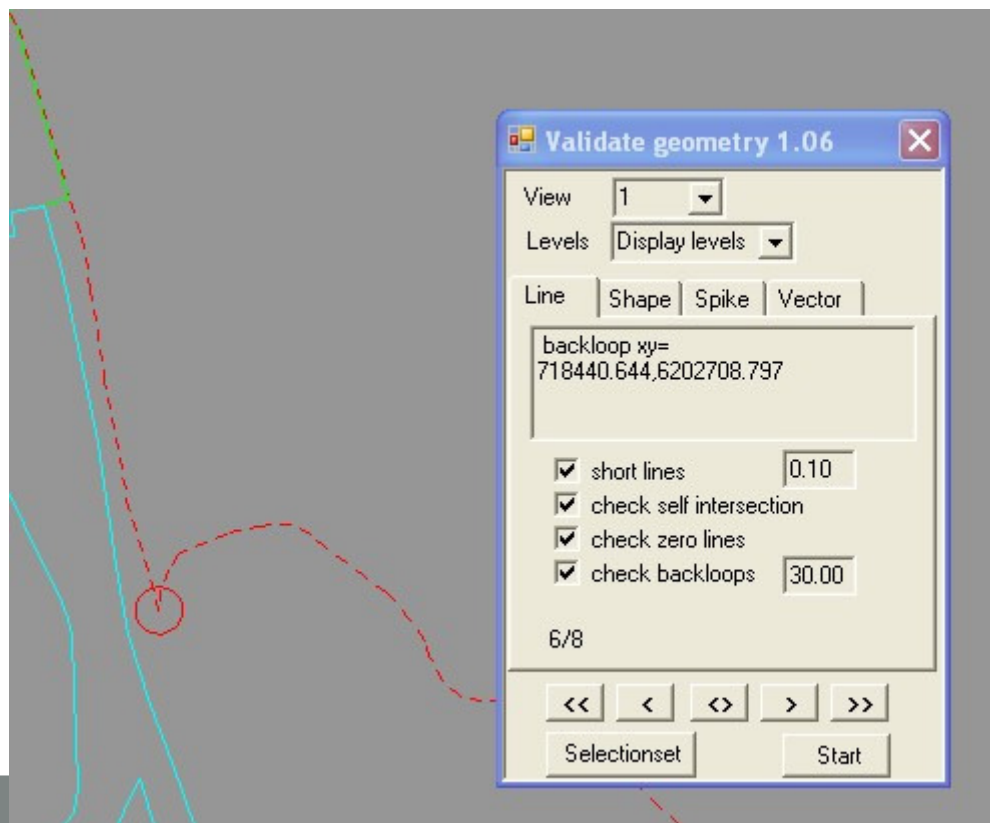
- Alle objekter skal nedfældes på terræn



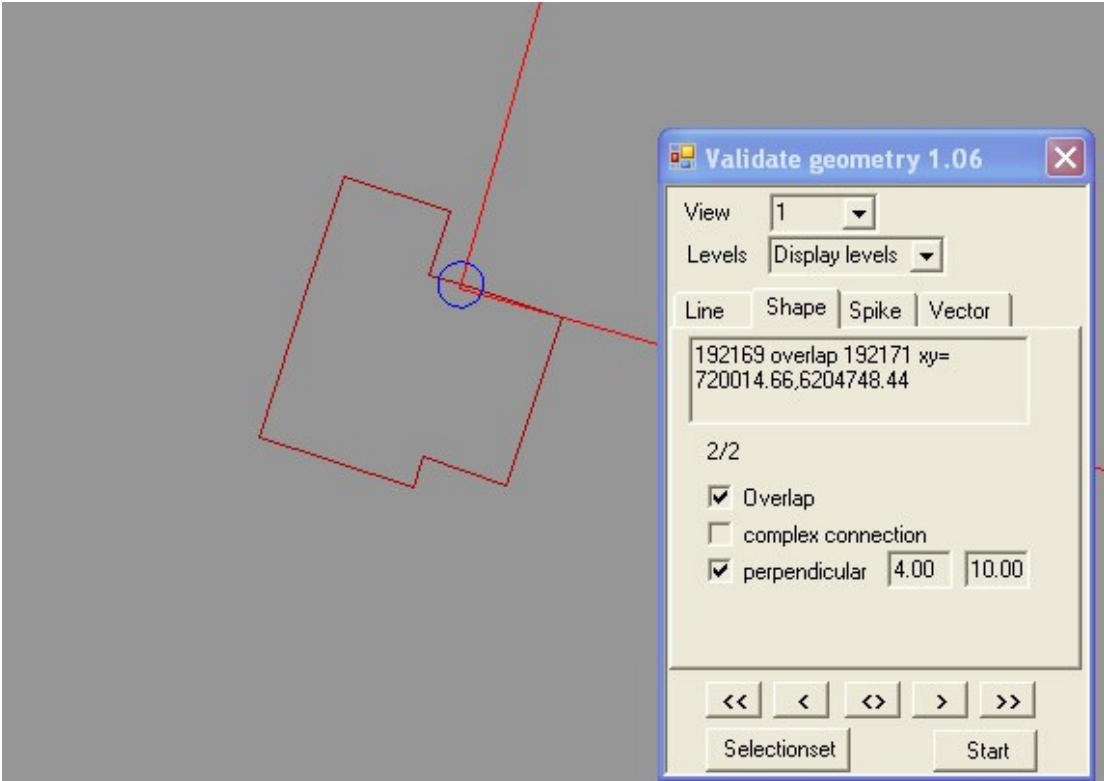
- KMS officielle Digital Terren model og Digital Surface model
- Regler for nedfældning.
- Objekter der nedfældes tilføjes en bestemt bemærkning i metadata tabellen.

# FOT Produktion. Validering af linier

- Nulvektorer og korte linier.
- Skærer med sig selv
- Backloop

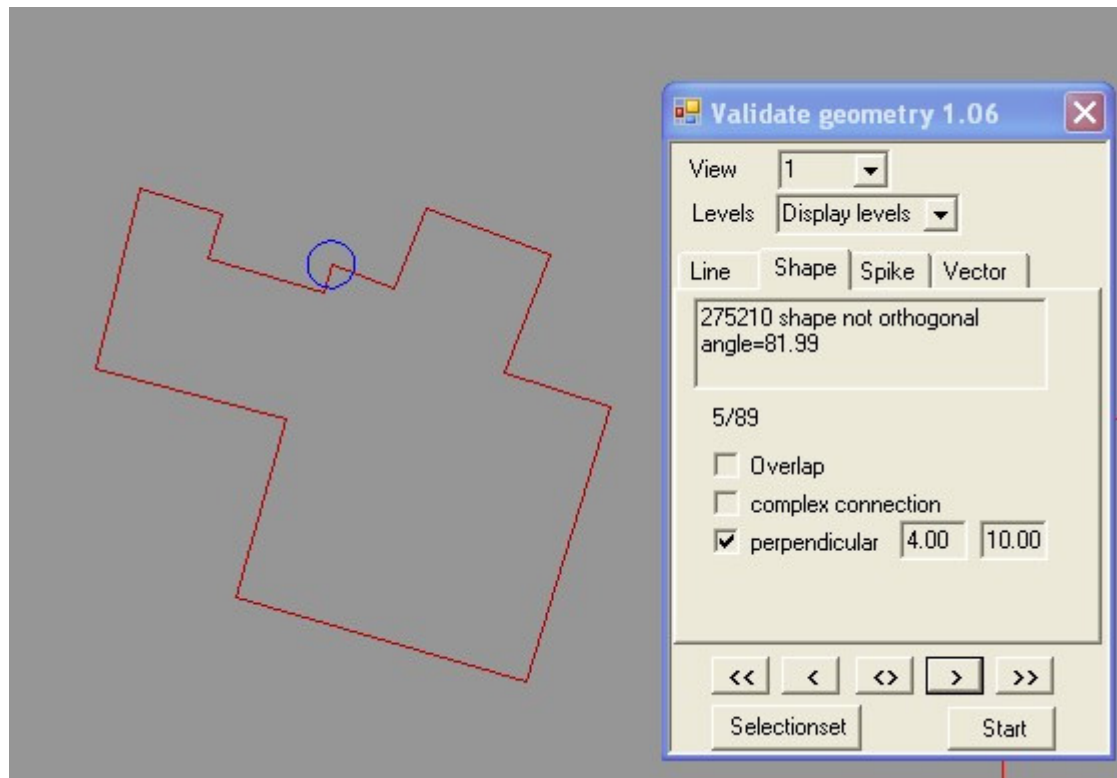


# Fot produktion. Validering af arealer



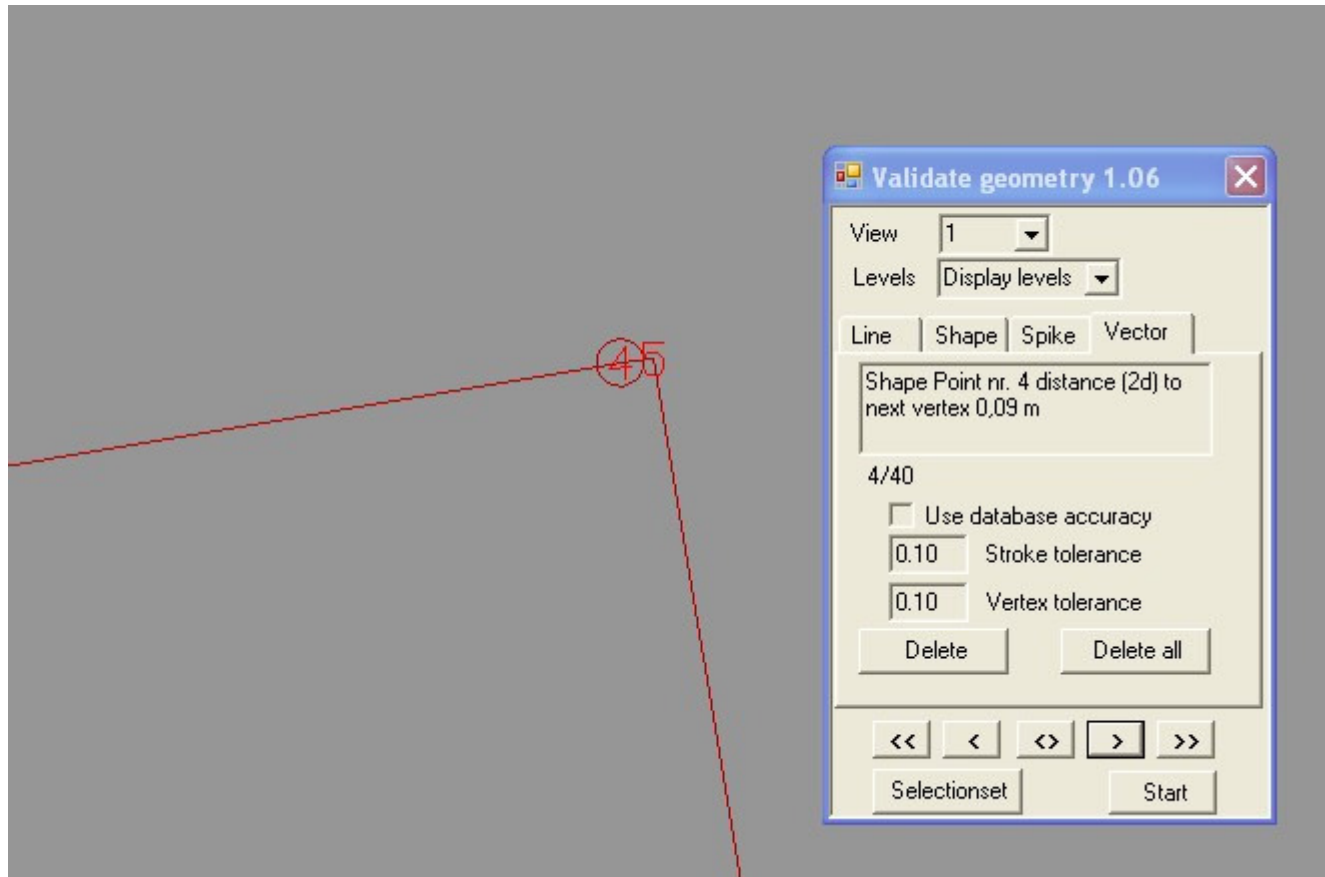
# Fot produktion. Validering af arealer

Ortogonal bygninger



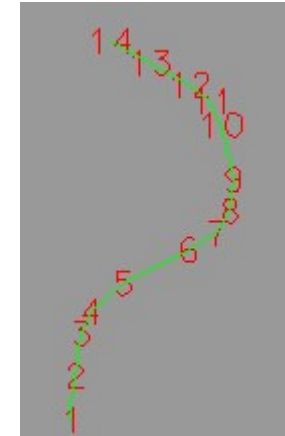
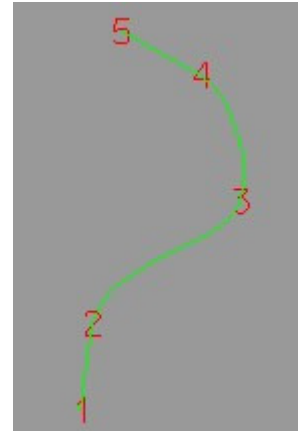
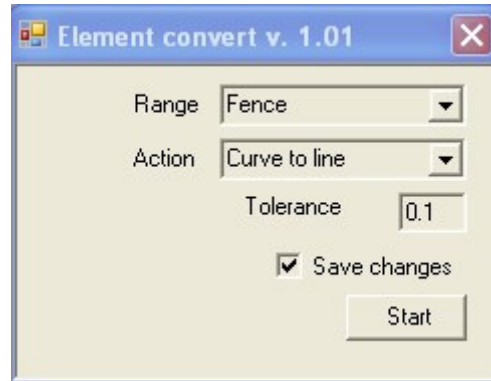
# Fot produktion. Validering af vektorer

- Afstand mellem vektorer



# Fot produktion.

- Ingen kurver

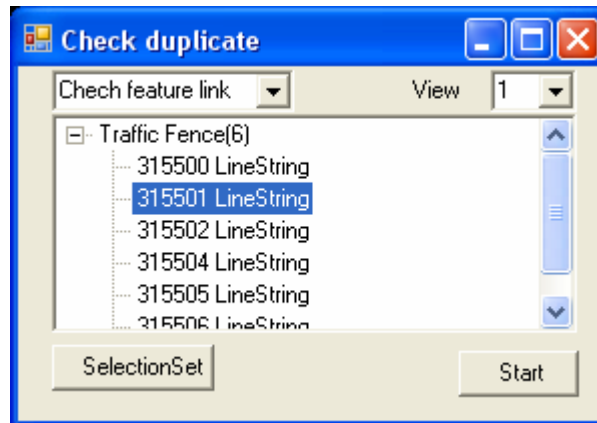


- Data må godt registreres som kurve, men skal konverteres til linie.

# FOT Produktion



Dubletter ikke tilladt. Et almindeligt problem.  
Findes, vises og slettes.

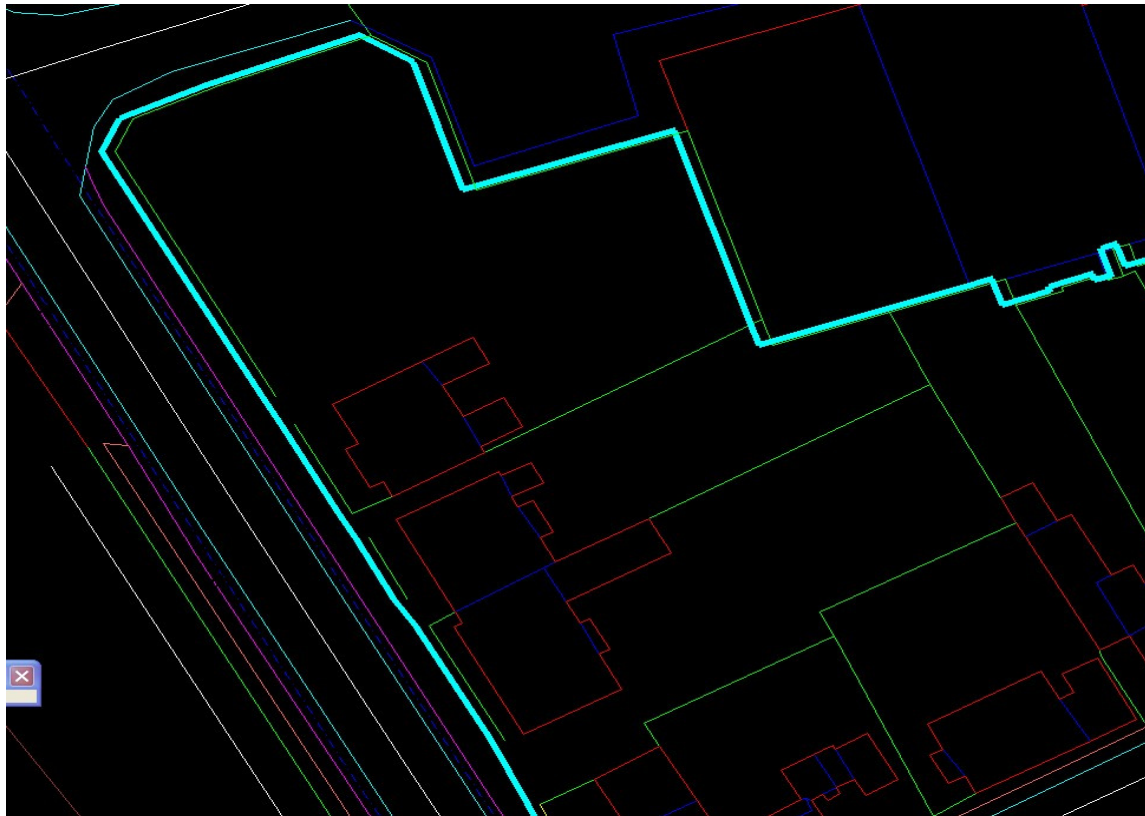




# Produktion af FOT. Fælles geometri

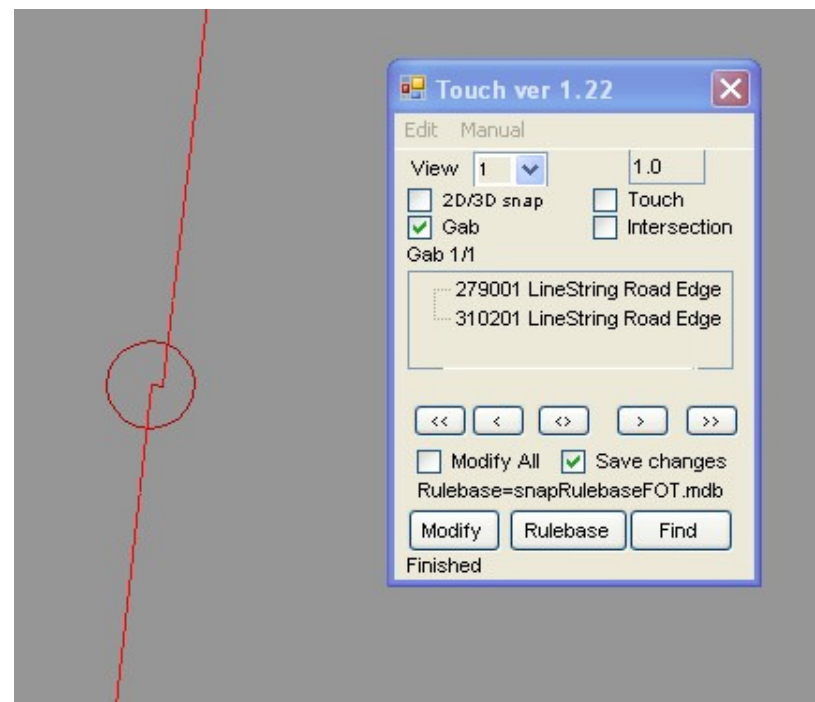
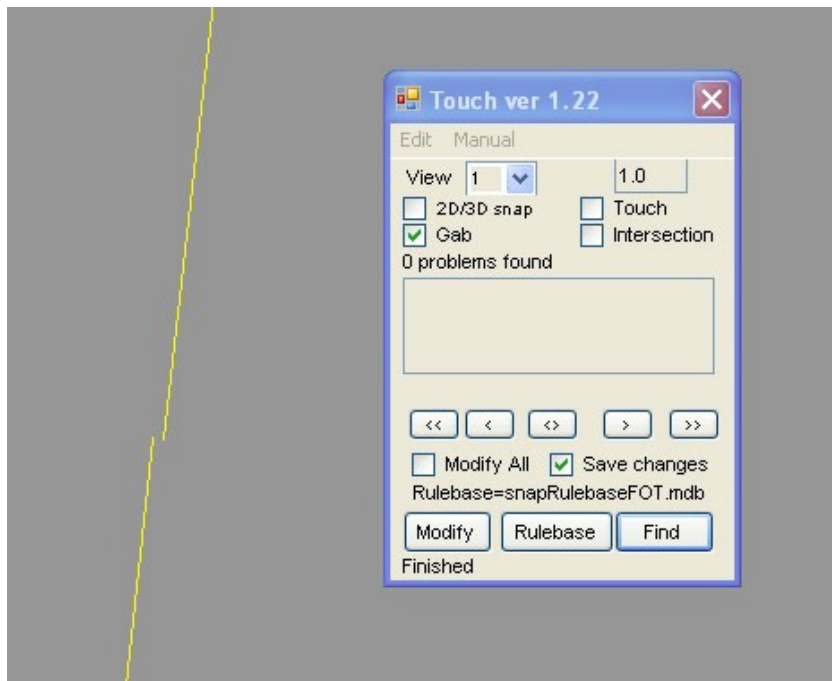


- Fælles geometri for klassen bebyggelse. Bykerne, industri, høj og lav bebyggelse. Top10dk tilpasses et teknisk kort.

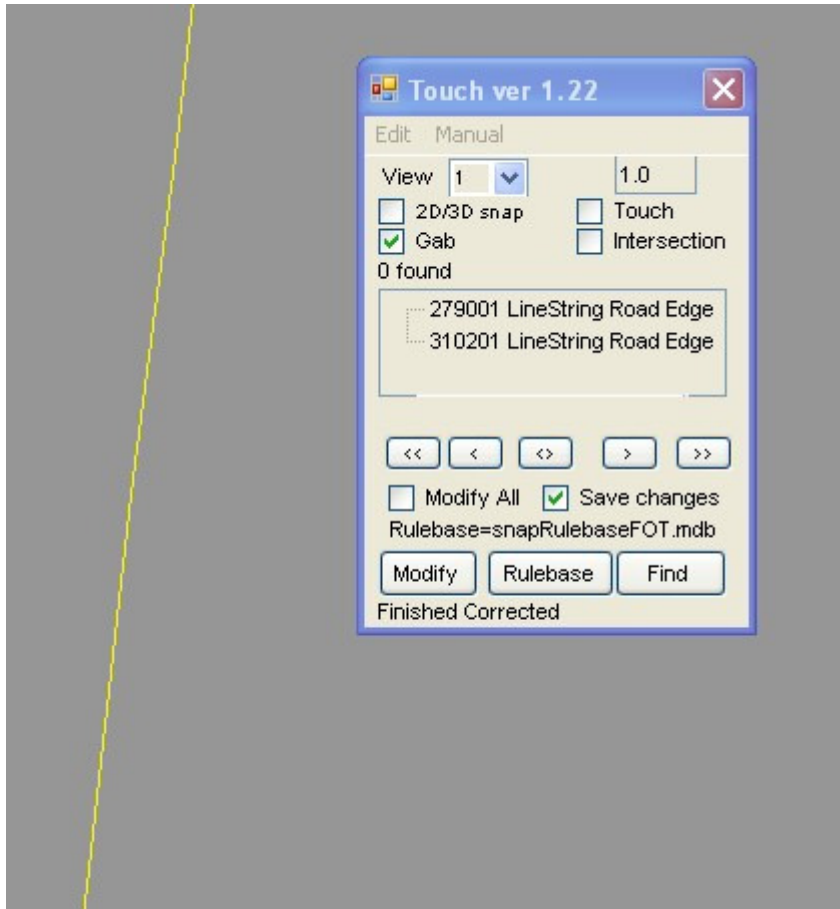


# FOT Produktion.

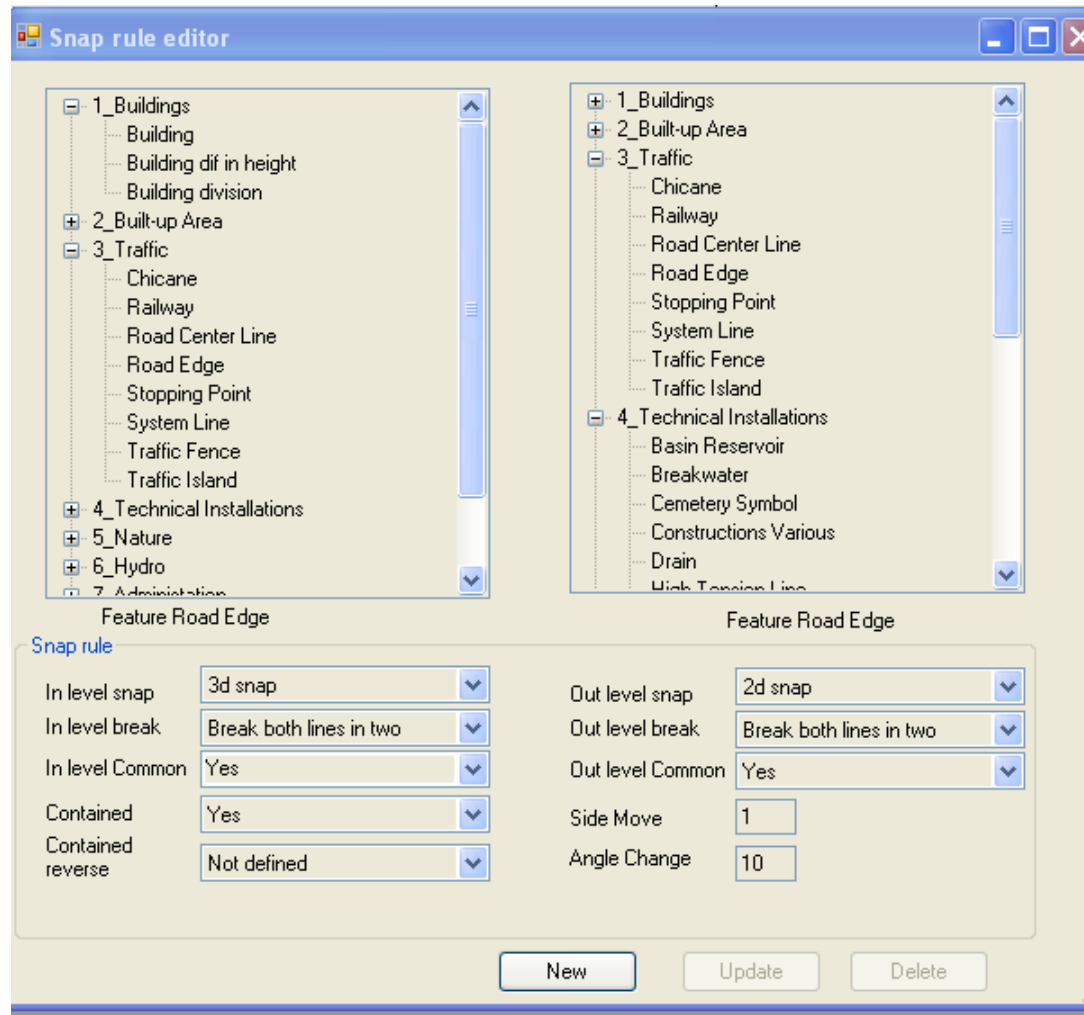
Fejl i forhold til topologi skemaerne findes, vises og rettes.



# FOT Produktion. Snap fejl

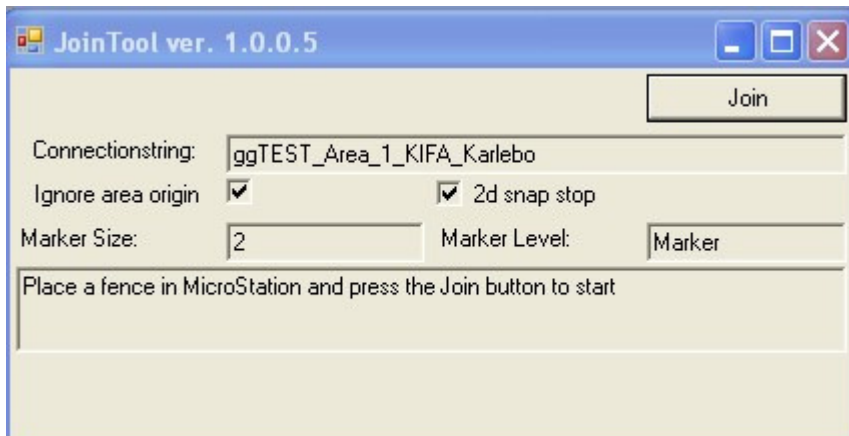


# Fot produktion. Snap regel



# FOT Produktion. Struktur

- Join tool. Sammenlæg snappede linier med ens attributter.
- F.eks. Kørebane kant registreres ofte som mange sammenhængende linier og bliver til lange linieførløb.



# FOT Produktion. Datafangst

Styret af den aktive feature.

AttrAssign v. 1.23.2 at 2007.10.16

Config Metadata Query **Mode Capture**

Fname: **Building** Feald: 101  
Table: a101\_Building Mslink: \_\_\_\_  
DBcon: ggTEST\_Area\_4

Meta/Orig: 31 (->15000;0,2;0,3;Area type 2, Rural)  
Metadatald: 31

Type of Building: Building  
Type of Tank/Silo: <Null>  
Measurement Point: Roof  
3D\_Method: TK/FOT-Roof  
BBR\_Reference: 0 (=False)

Edit Update CP Attr ShowAl ->FCod

AttrAssign v. 1.23.2 at 2007.10.16

Config Metadata Query **Mode Capture**

Fname: **Road Center Line** Feald: 106  
Table: a301\_RoadCenterLine Mslink: \_\_\_\_  
DBcon: ggTEST\_Area\_4

Meta/Orig: 31 (->15000;0,2;0,3;Area type 2, Rural)  
Metadatald: 31

Type of Road Center: Road  
RoadAuthority: Unknown  
CPR Municipality: N  
CPR Road Code: N  
Road Class: Primary Road  
Type Of Traffic: Expressway  
Level: Bridge  
Surface: Consolidated  
Road Width: 3-4.5  
Square: 0 (=False)  
Fictive: 0 (=False)  
Roundabout: -1 (=Undefined)  
Access And Exit Road: 0 (=False)

Edit Update CP Attr ShowAl ->FCod

# FOT Produktion. Lovlige værdier

- Regler fra KMS om lovlige kombinationer for attributter.

Table with legal attribute combinations for FOT-3 objects

Attribute	Value	Status
typeofbuildingid	Tank/Silo	Legal
typeofbuildingid	Unknown	Legal
typeoftanksiloid	Liquid Manure, open	Suppressed
typeoftanksiloid	Liquid Manure, closed	Suppressed
typeoftanksiloid	Liquid Manure, unknown	Suppressed
typeoftanksiloid	Gas, Oil	Suppressed
typeoftanksiloid	Fodder	Suppressed
typeoftanksiloid	Other	Suppressed
typeoftanksiloid	Unknown	Suppressed
measurementpointid	Roof	Legal
measurementpointid	Wall	Legal
measurementpointid	Roof and Wall	Legal
measurementpointid	Unknown	Legal
method_3d_id	TK/FOT-Roof	Legal
method_3d_id	TOP10DK	Legal
method_3d_id	3D_Roof	Legal
method_3d_id	Ground	Legal
method_3d_id	Below_terrain	Suppressed
method_3d_id	Unknown	Legal
bbr_referenceid	0	Legal
bbr_referenceid	1	Legal
building_id		Legal
areaquality		Legal

## FOT Produktion



- Konklusion / opsamling
- Det har været nødvendigt at lave mange helt nye værktøjer.
- Orphan linkage et generelt problem. Behov for spatial på "letvægts databaser".
- FOT har mange gode forbedringer som datagrundlag.