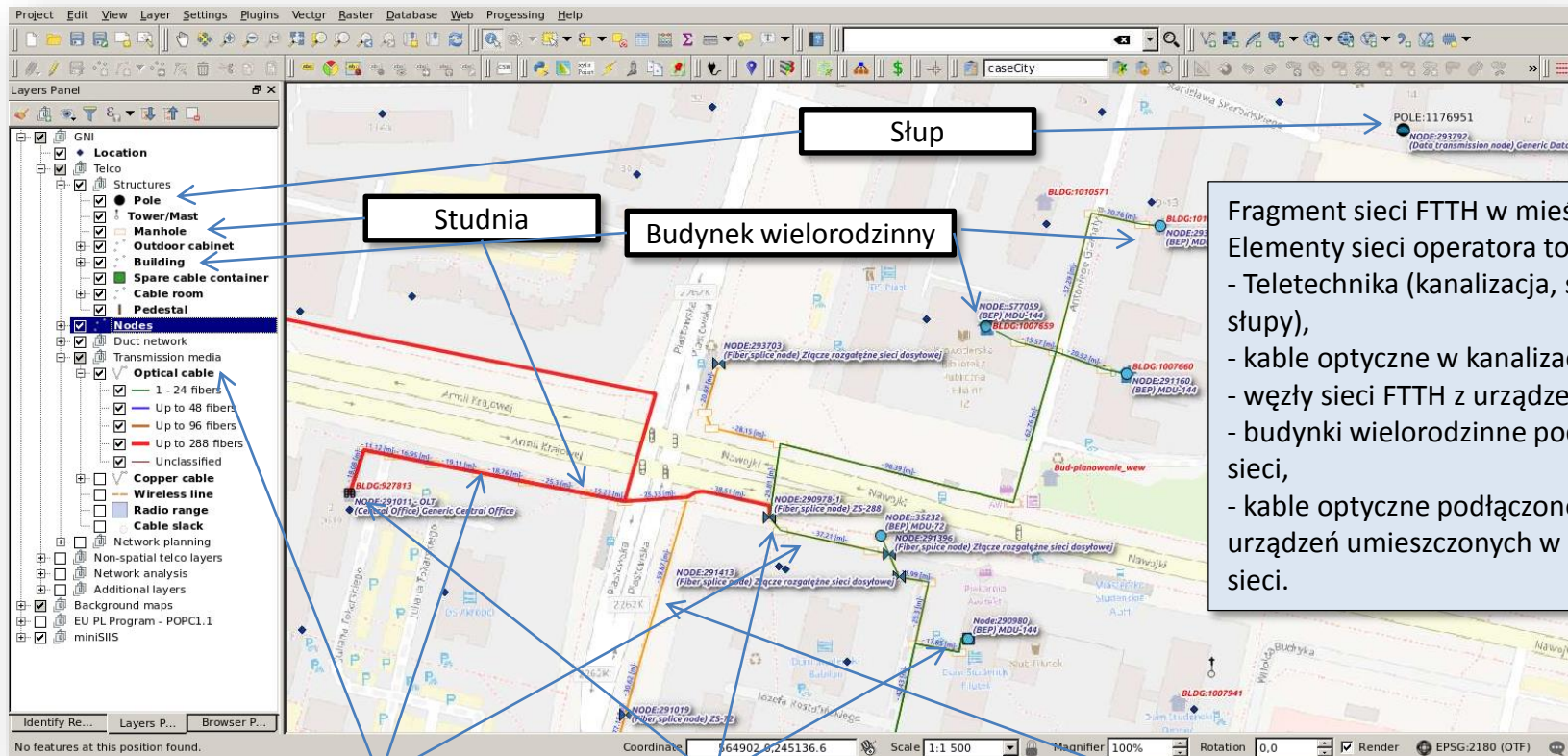


Geospatial Network Inventory

Sieć FTTH w mieście



Fragment sieci FTTH w mieście Kraków.
Elementy sieci operatora to:

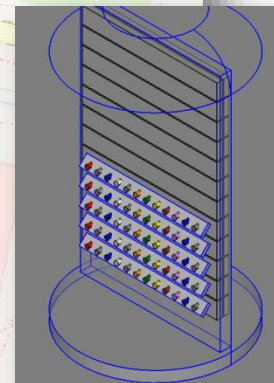
- Teletechnika (kanalizacja, studnie, słupy),
- kable optyczne w kanalizacji,
- węzły sieci FTTH z urządzeniami,
- budynki wielorodzinne połączone do sieci,
- kable optyczne połączone do urządzeń umieszczonych w węzłach sieci.

Kabel optyczny

Węzły sieci FTTH

Kanalizacja teletechniczna

Włókna kabli optycznych łączone są w Menedżerze połączeń.



Project Edit View Layer Settings Plugins Vector Raster Database Web Processing Help

Layers Panel

caseCity

Layers Panel

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Layers Panel

Connection Manager - Cable mode

Connect: ☐ units ☐ Only connectable ☐ Collapse all ☐ Midspans

(A) Node (Z) Node

Node:291011 - OLT
FIB:235154
Node:290978-1

Node:291011 - OLT BLDG:927813
19/1U/48
1 (1)
2 (2)
3 (3)
4 (4)
5 (5)
6 (6)
7 (7)
8 (8)
9 (9)
10 (10)
11 (11)
12 (12)
13 (13)

FIB:235154
Fiber 1
Fiber 2
Fiber 3
Fiber 4
Fiber 5
Fiber 6
Fiber 7
Fiber 8
Fiber 9
Fiber 10
Fiber 11
Fiber 12
Tube 2
Fiber 2

Node:290978-1 MANH:927797
MUF-6/288
Slot-01:1
Splice tray MUF-6/288 - 12 splices: 1
1 (1)
2 (2)
3 (3)
4 (4)
5 (5)
6 (6)
7 (7)
8 (8)
9 (9)
10 (10)
11 (11)

Filter:

From Node	From Item	Unit	Status	Type	DB Loss	Medium	To Node
NODE:291011 - OLT	19/1U/48	1	Planowany	Spaw termiczny	0,14	Tube 1 Fiber 1 (1)	NODE:290978-1 MUF-6/288/Slot-01/Splice
NODE:291011 - OLT	19/1U/48	2	Planowany	Spaw termiczny	0,14	Tube 1 Fiber 2 (2)	NODE:290978-1 MUF-6/288/Slot-01/Splice
NODE:291011 - OLT	19/1U/48	3	Planowany	Spaw termiczny	0,14	Tube 1 Fiber 3 (3)	NODE:290978-1 MUF-6/288/Slot-01/Splice
NODE:291011 - OLT	19/1U/48	4	Planowany	Spaw termiczny	0,14	Tube 1 Fiber 4 (4)	NODE:290978-1 MUF-6/288/Slot-01/Splice
NODE:291011 - OLT	19/1U/48	5	Planowany	Spaw termiczny	0,14	Tube 1 Fiber 5 (5)	NODE:290978-1 MUF-6/288/Slot-01/Splice
NODE:291011 - OLT	19/1U/48	6	Planowany	Spaw termiczny	0,14	Tube 1 Fiber 6 (6)	NODE:290978-1 MUF-6/288/Slot-01/Splice
NODE:291011 - OLT	19/1U/48	7	Planowany	Spaw termiczny	0,14	Tube 1 Fiber 7 (7)	NODE:290978-1 MUF-6/288/Slot-01/Splice

Resize columns

OK Apply Cancel

Widok wnętrzbudynkowy OLT

Menedżer połączeń

Widok mufy światłowodowej

Każdy zasób sieci posiada dedykowany paszport prezentujący atrybuty oraz relacje biznesowe.

Optical cable - Feature Attributes

Attributes	All Nodes	Used duct network	Main conduits	Subducts/Microducts	Lease	Contact point	\$
Designation	FIB-235154						
A-Z Nodes							
A-Node	NODE:291011 - OLT ((Central Office) Generic Central Office)						
Z-Node	NODE:290978-1 ((Fiber splice node) ZS-288)						
Model	A-DQZY-288((24x12))(24x12)						
Model features							
Number of units	288						
Profile	24x12						
Installation environment	Underground						
Bundling schema	Tube%Fiber						
Attenuation per km	0.40000000						
Status	Planned						
Owner	FTTH Everywhere						
Created On	09.04.2017						
Calculated lenght [m]	188.28						
Optical length [m]	NULL						

Nodes - Feature Attributes

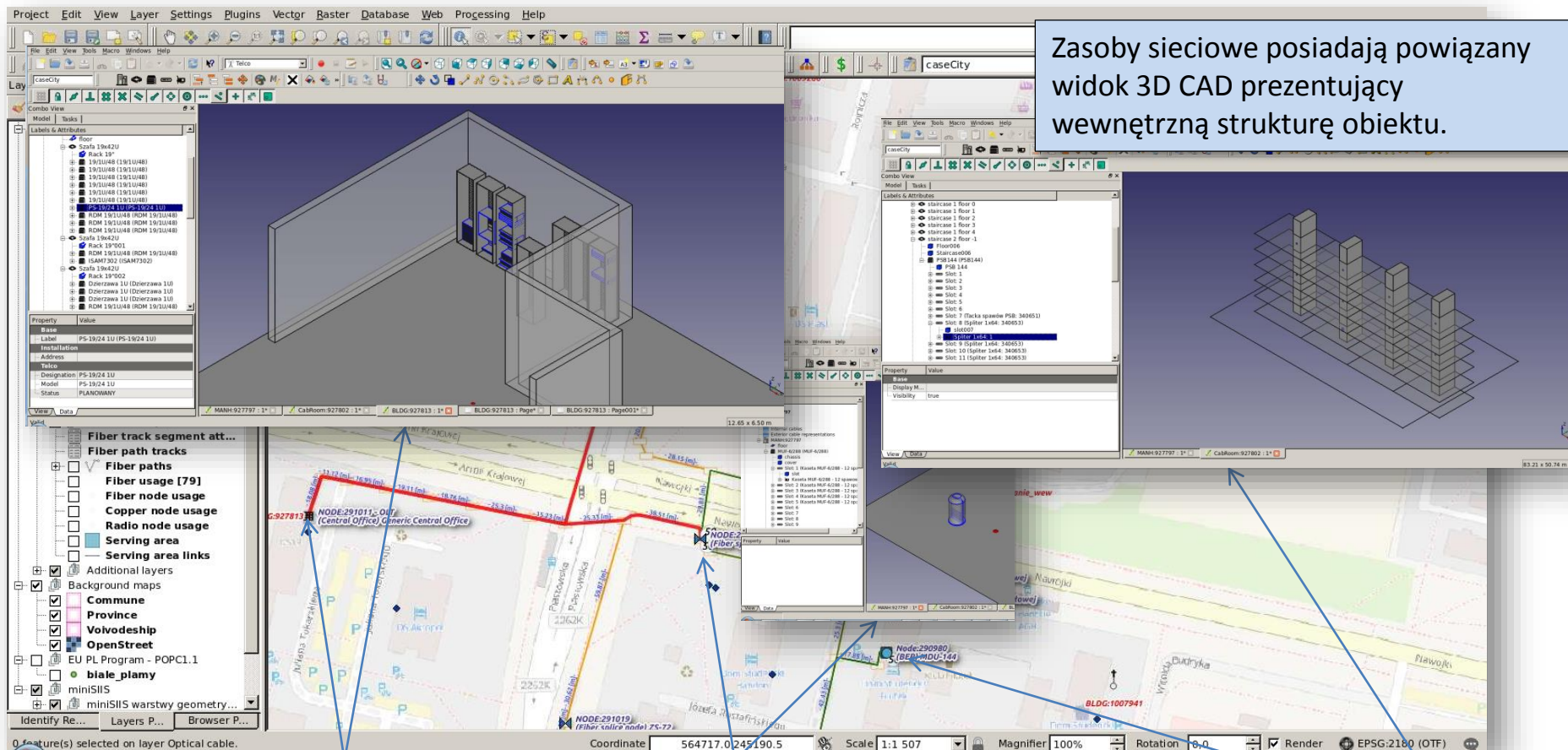
Attributes	Equipment	Optical cables	Copper cables	WireLess lines	Interfaces	Serving Area	Installations	\$
Model	(Fiber splice node) ZS-288							
Designation	NODE:290978-1							
Status	Planned							
Owner								
Structure								
Structure	Manhole ☒ MANH:927797							
Created on	08.04.2017							
Capacity	NULL							
Remarks								

Building - Feature Attributes

Attributes	Location	Building structure	Underground ducts	Nodes	Collocation	\$	ISP View
Model	Multi-Dwelling unit with business unit						
Designation	BLDG:1007659						
Status	Active						
Owner							
Remarks							

Map Labels:

- Kabel optyczny (Optical cable)
- Węzeł (Node)
- Budynek (Building)



OLT

Studnia

Budynek

Project Edit View Layer Settings Plugins Vector Raster Database Web Processing Help

Layers Panel

Building - Feature Attributes

Attributes Location Building structure Underground ducts Nodes Collocation

Building element

Attributes Area/power \$

Model rack19inchx48U

Designation Szafa 19x42U

Status

Owner (no selection)

Remarks NULL

Nodes - Feature Attributes

Attributes Equipment Optical cables Copper cables Wireless lines Interfaces Serving Area Installations \$

Devices

MUF-6/288 Model gen vxw770

MUF-6/288 Model gen vxw770

Attributes Ports Slots/Cards Lease \$

Slot elementu urządzenia

S-01, Card: KasetaMuf6288

S-02, Card: KasetaMuf6288

S-03, Card: KasetaMuf6288

S-04, <NULL>

S-05, <NULL>

S-06, <NULL>

S-07, <NULL>

Attributes \$

Numer slotu 1

Oznaczenie

Optical cable - Feature Attributes

Attributes All Nodes Used duct network Main conduits Subducts/Microducts Lease Contact point \$

Optical cable route in underground

Duct: UndGr120317

Duct: UndGr120321

Duct: UndGr120322

Duct: UndGr120326

Duct: UndGr120327

Duct: UndGr120328

Duct: UndGr120343

Duct: UndGr120427

Attributes \$

Structures A/Z

A structure Manhole FANH-927797 (Manhole)

Z structure Manhole FANH-927798 (Manhole)

Designation MainCn: 370922

Length (m) 37.2

Layers Panel

Radio node usage

Serving area

Serving area lines

Additional layers

Background maps

Commune

Province

Voivodeship

OpenStreet

EU PL Program - POPC1.1

biale_plany

miniSIIS

miniSIIS warstwy geometry...

Identify Re...

Layers P...

Browser S...

0 feature(s) selected on layer Optical cable.

Coordinate 564717.0 245190.5

Scale 1:1 507

Magnifier 100%

Rotation 0,0

Render

EPSG:2180 (OTF)

Paszporty zasobów prezentujące relacje z innymi obiektami.

Stojaki w serwerowni

Urządzenia w węźle

Kabel w sieci kanalizacyjnej

Połączone kable tworzą ścieżki optyczne z pełną informacją o ich przebiegu, tłumieniu oraz ilości włókien w tej samej relacji światłowodowej.

Ścieżka optyczna

Tory światłowodowe

Segmenty torów światłowodowych

Fiber paths - Feature Attributes

Track segments
01.1: A[db]=0.14; source=connection
01.2: A[db]=0.22; source=cable
02.1: A[db]=0.36; source=connection
03.1: A[db]=0.5; source=connection
03.2: A[db]=0.58; source=cable
04.1: A[db]=0.72; source=connection

Attributes

Track length [m]: 406.81

Track loss [dB]: 0.722724

Number of segments: 2

A-Side

A-side node: NODE:291011 - OLT ((Central Office) Generic Central Office)

A-side device: Device 19/1U/48

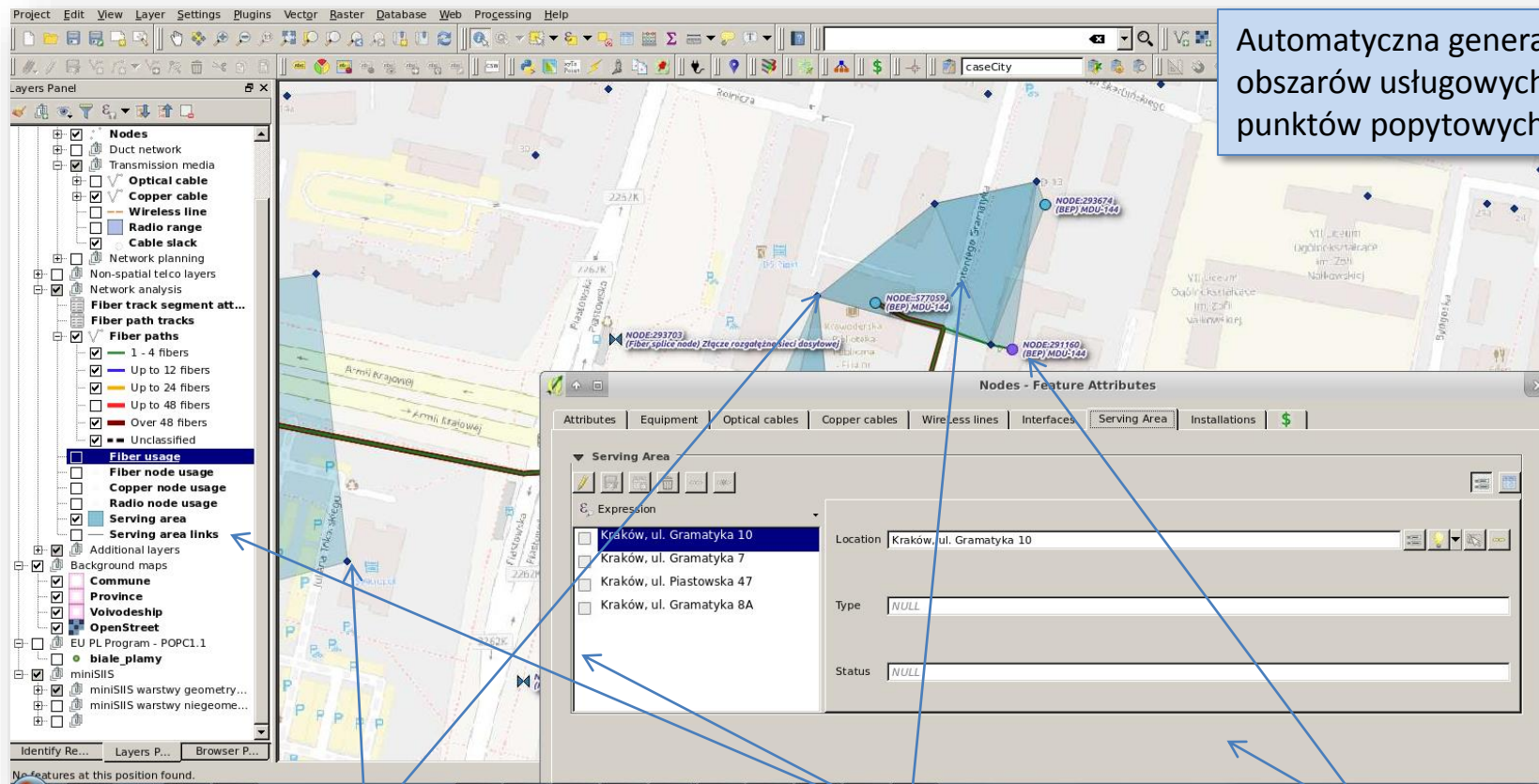
A-side port number: 8

Z-Side

Z-side node: NODE:291160 ((BEP) MDU-144)

Z-side device: Device 19/1U/48

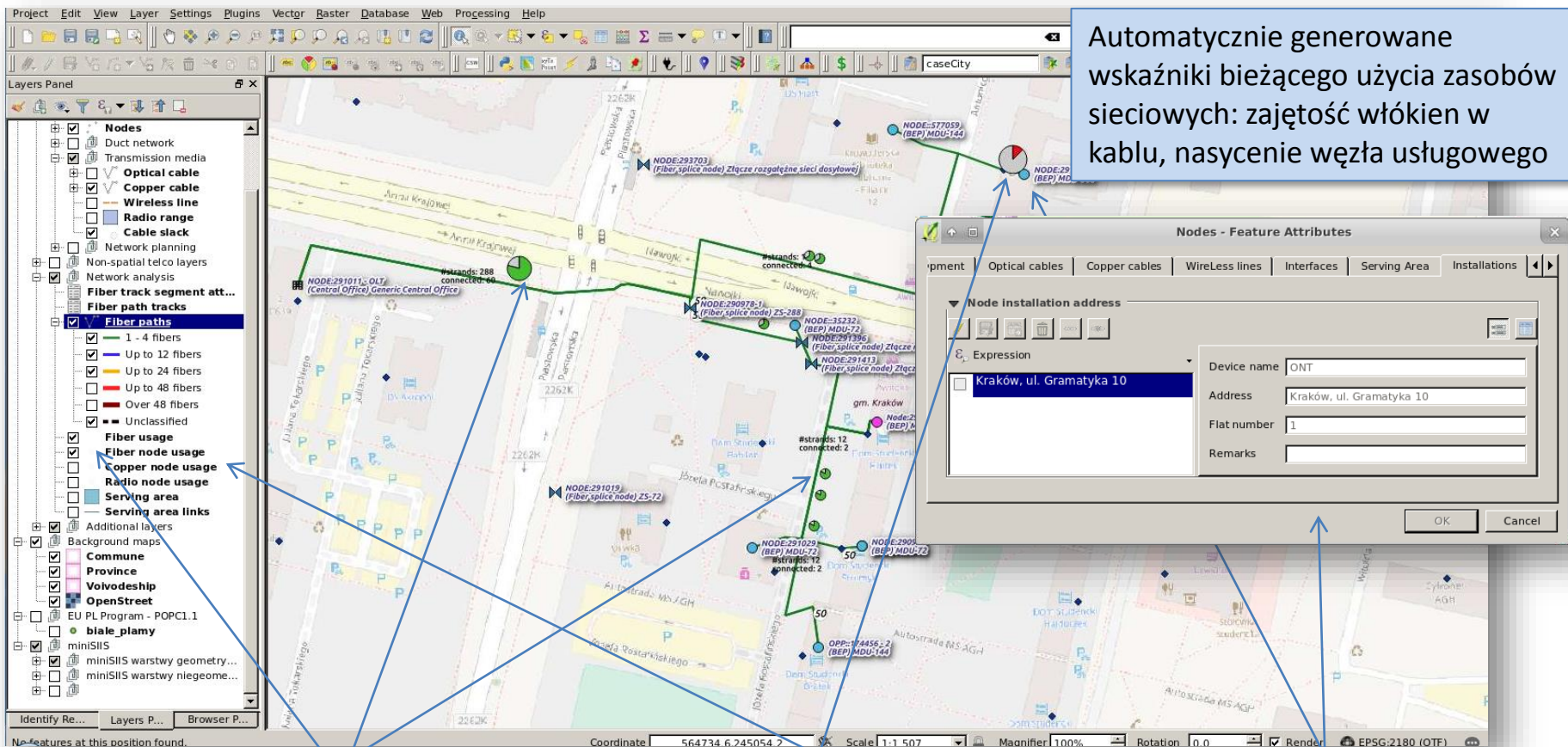
Automatyczna generacja
obszarów usługowych dla zbioru
punktów popytowych.



Punkt popytowy

Obszar usługowy węzła sieci

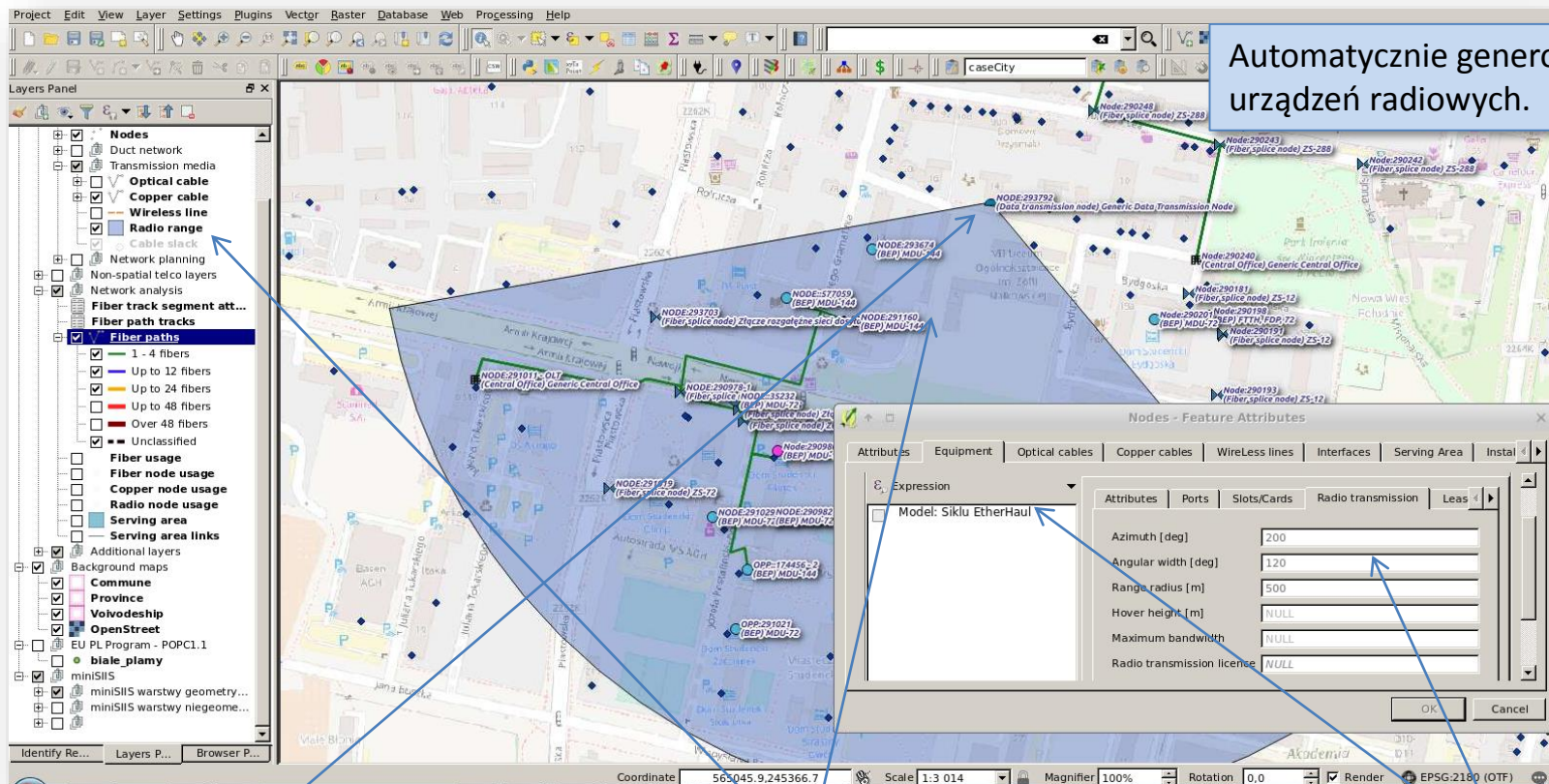
Węzeł



Wskaźnik zajętości włókien

Nasycenie usługowe

Instalacje abonenckie

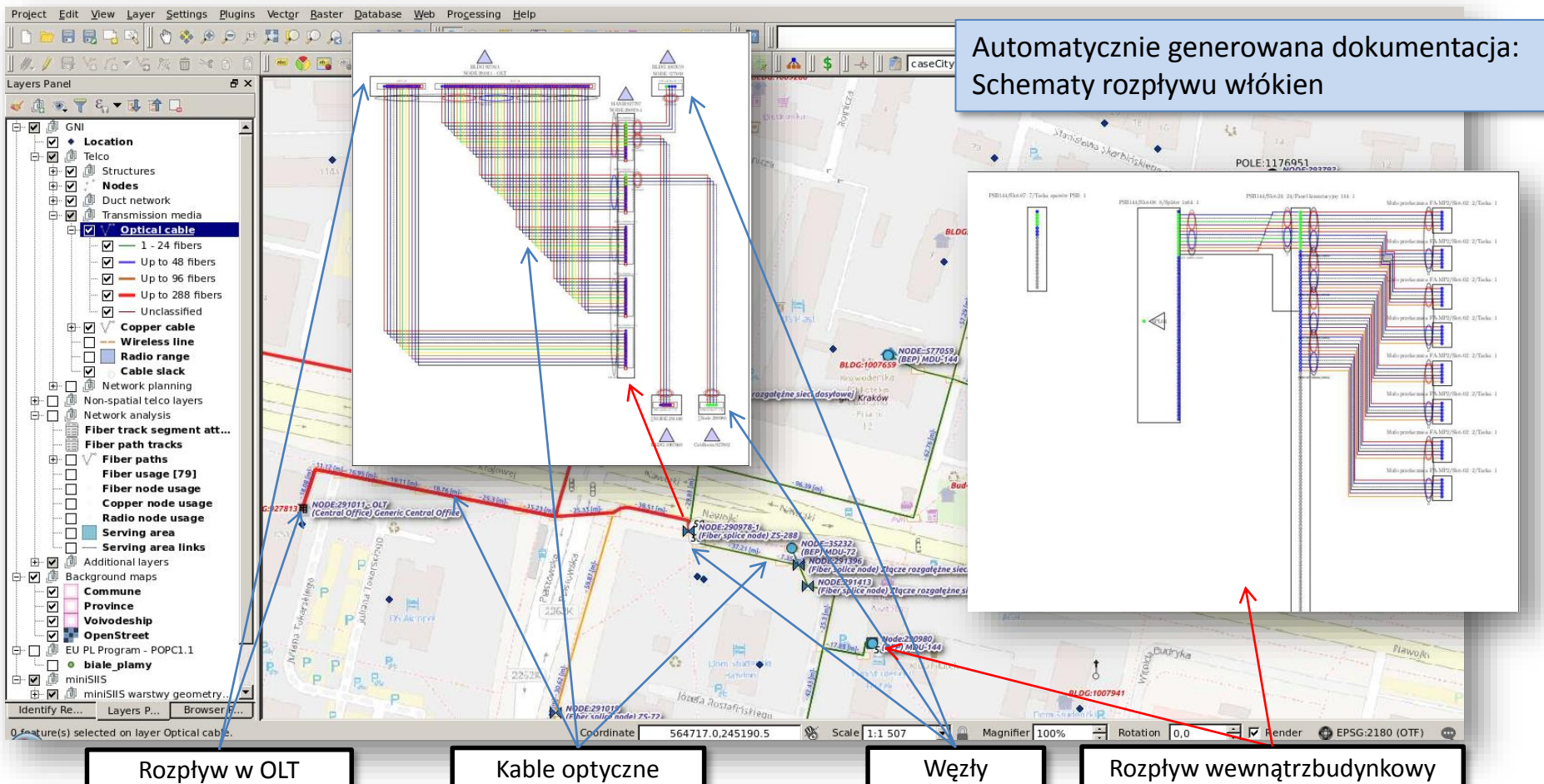


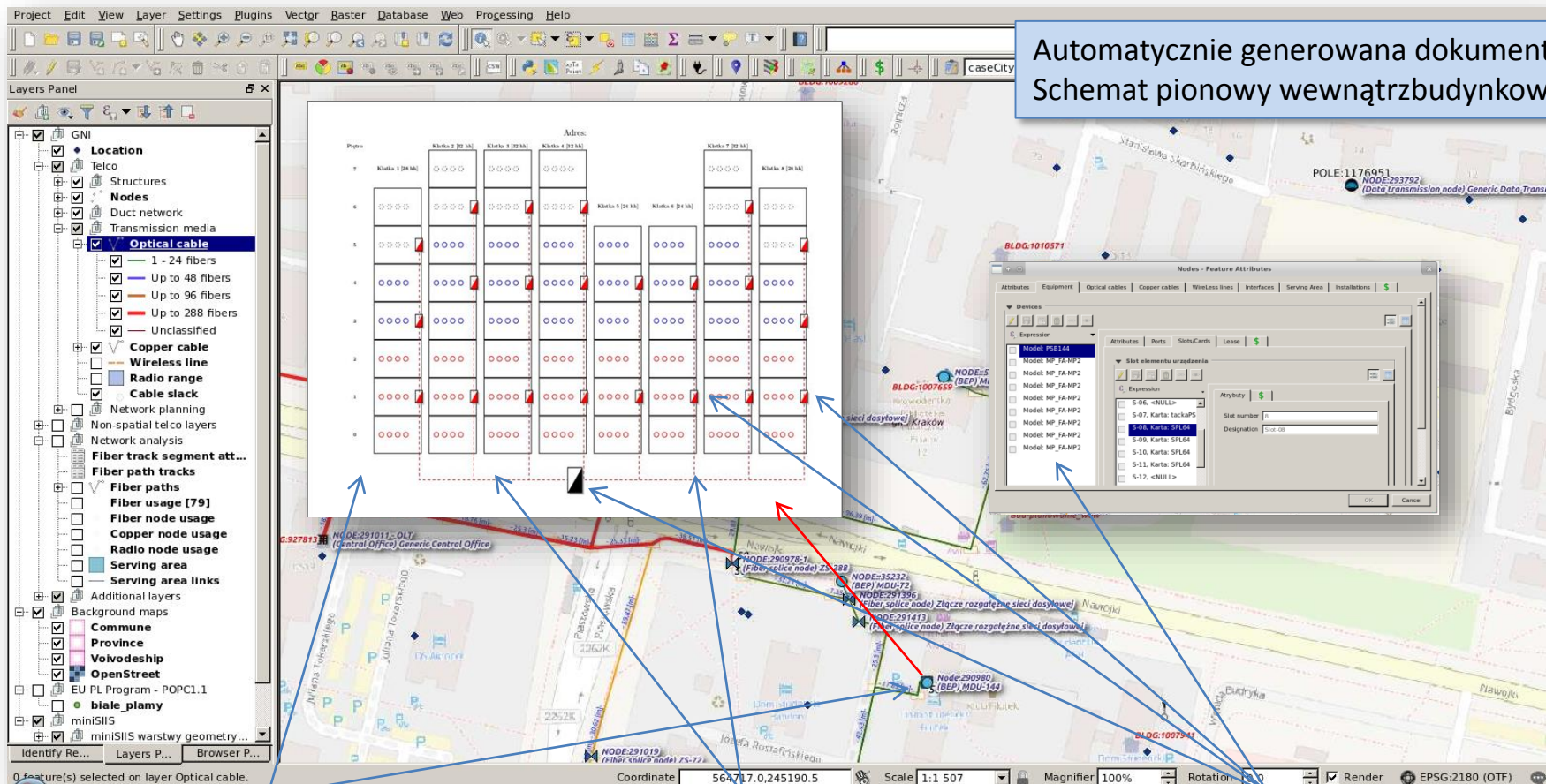
Automatycznie generowane zasięgi urządzeń radiowych.

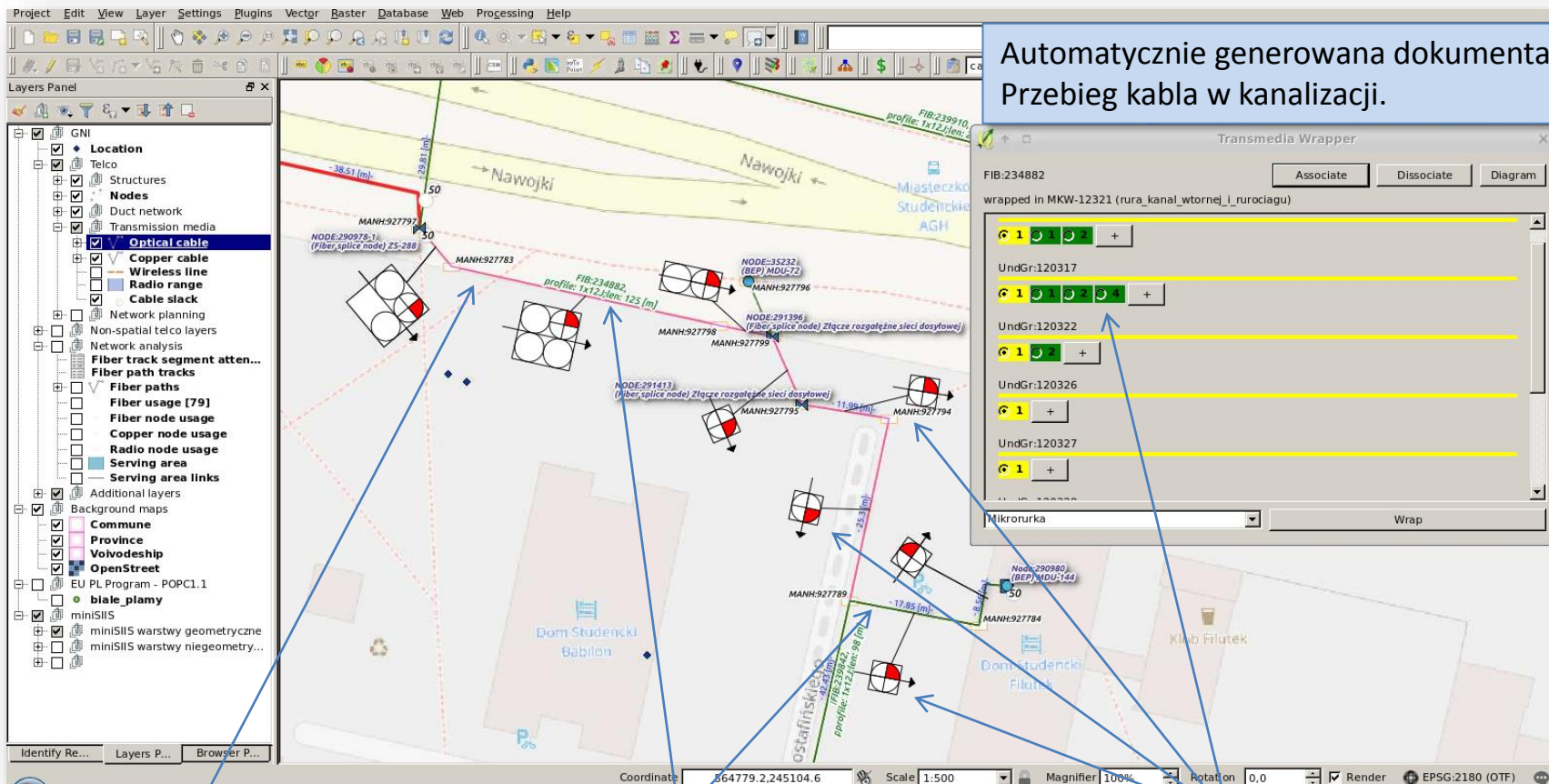
Maszt/Wieża

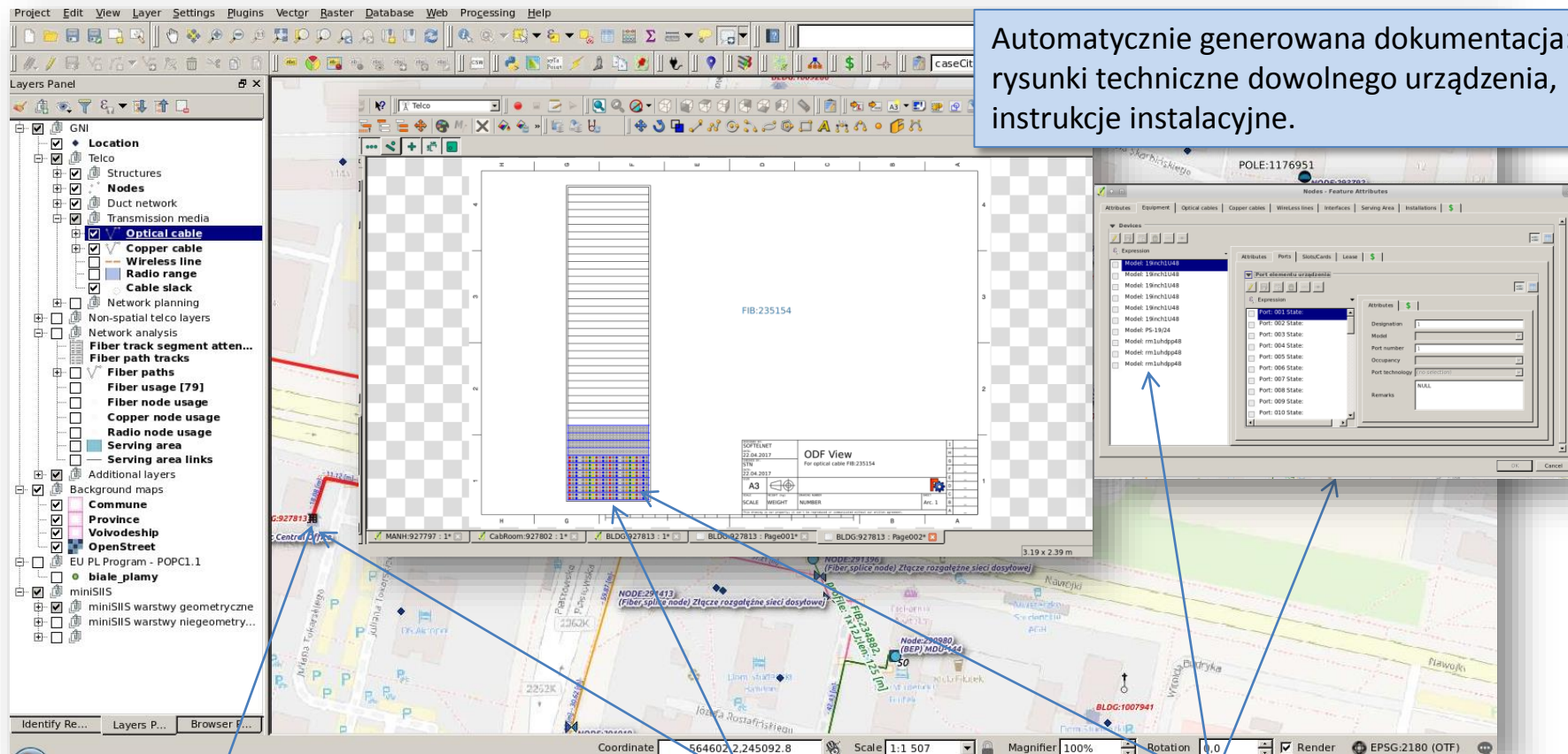
Zasięg radiowy

Atrybuty sektora radiowego









Dziękujemy

Więcej informacji na naszej stronie

<https://ksavinetworkinventory.com>

Kontakt:

gni@softelnet.pl