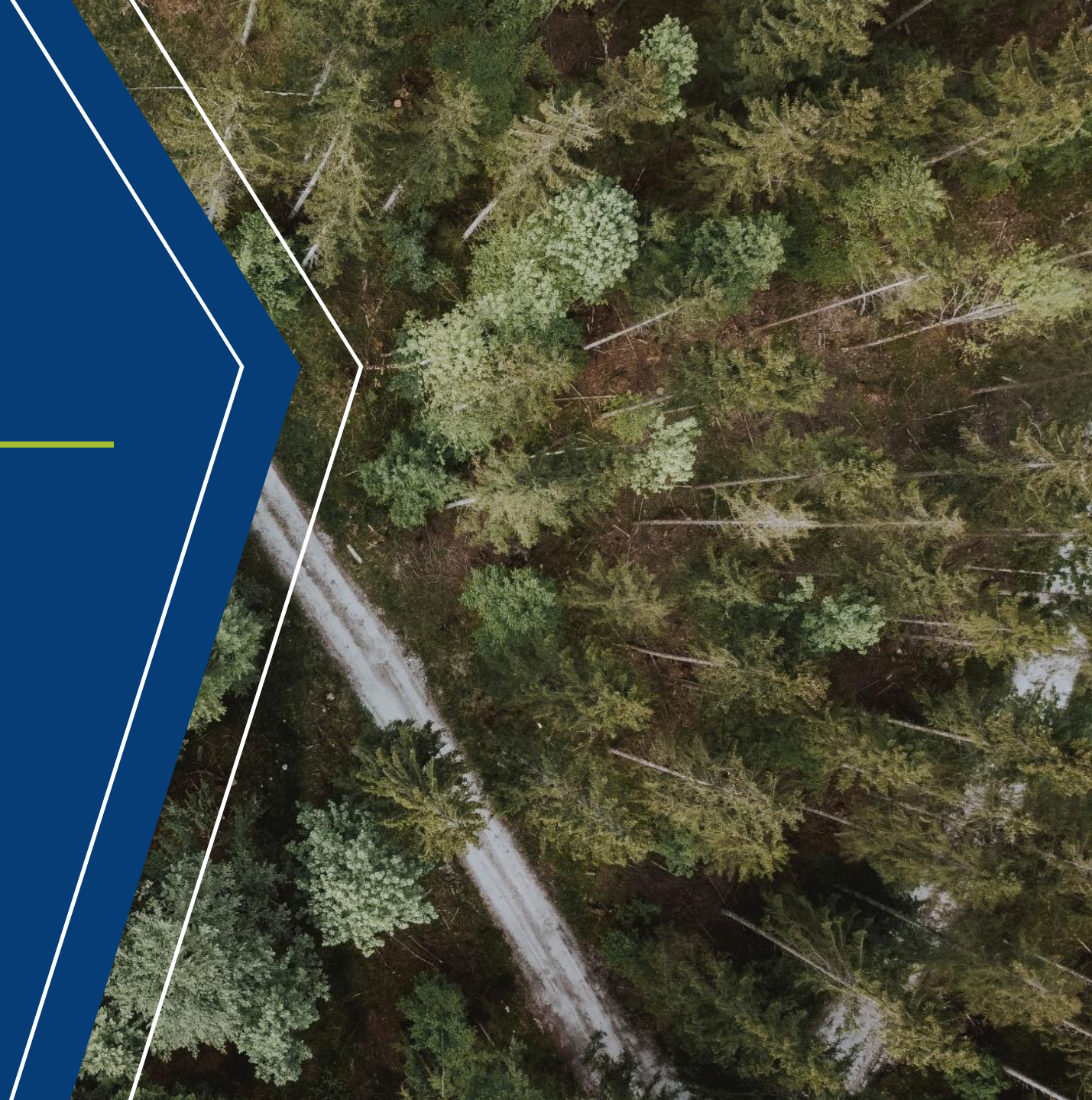
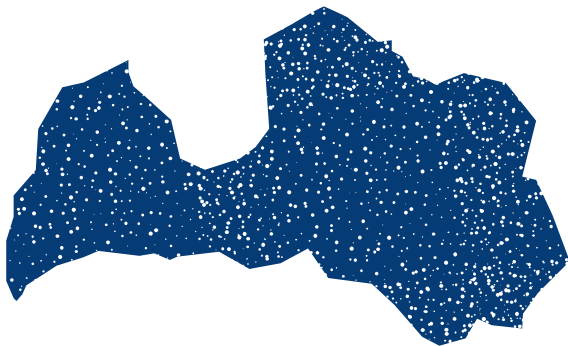


Latvian DSO "SADALES TĪKLS"

G3-PLC Online General Assembly March 30th 2023



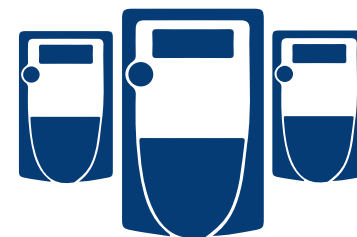
SADALEŠ TĪKLS TODAY



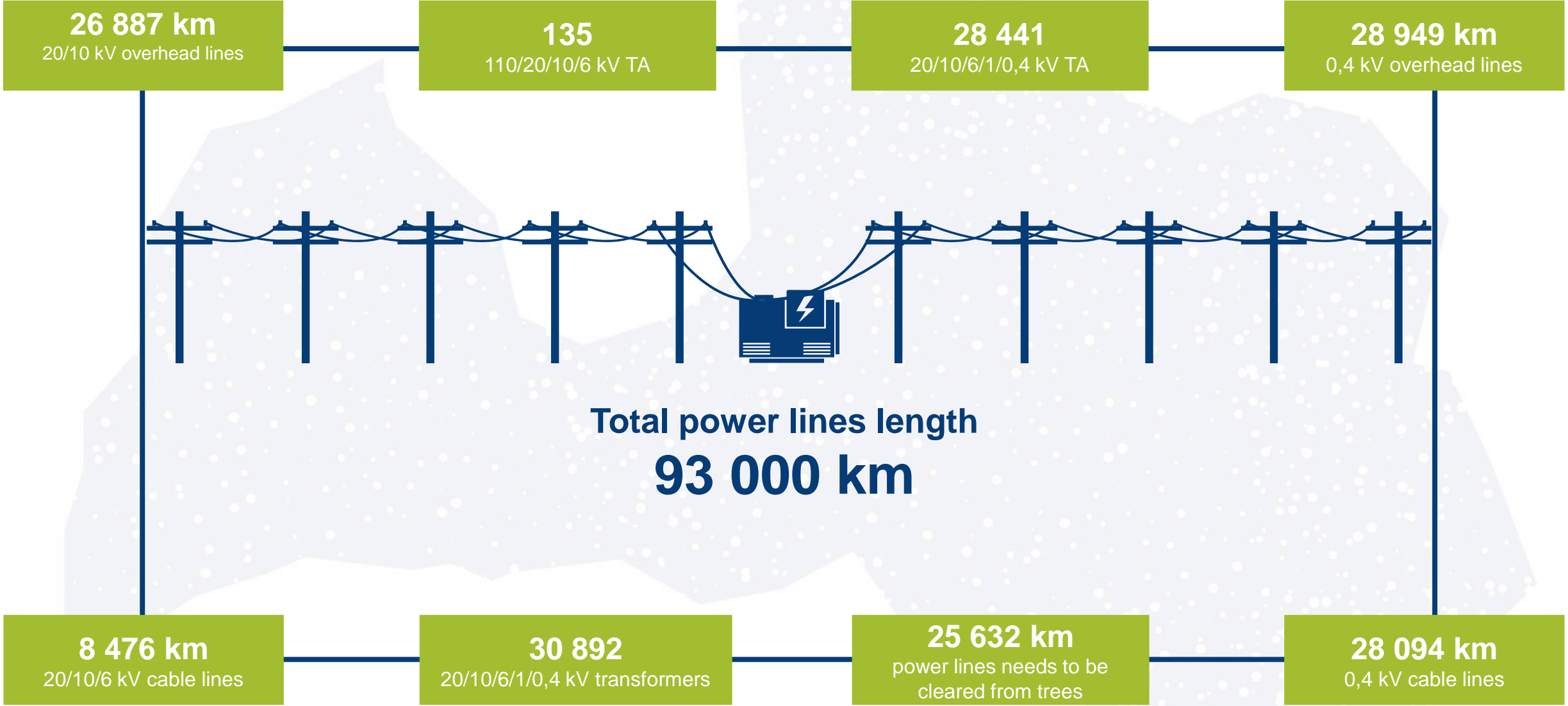
790 000 clients
& 1.1M metering points



Total power lines length
93 000 km
(x2 around Earth)

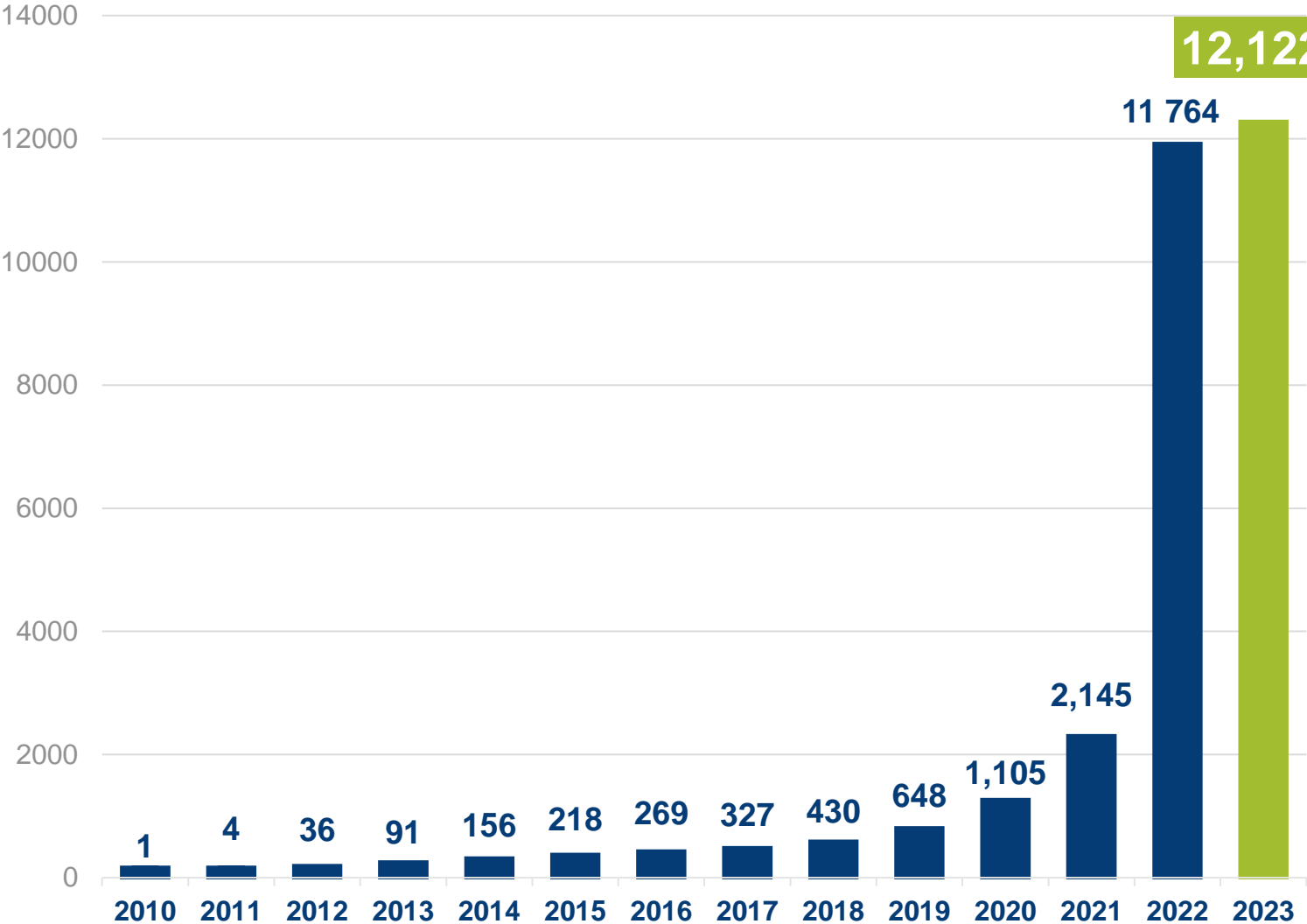


~**95%** clients with smart
meters and
more than **97%**
measured of total energy
consumption



GENERATION

Installed generation (up to 11,1kW)



12 122
Installed generation

97.3
MW
Total power

SMART METERS



1,1 M

Installed smart
meters

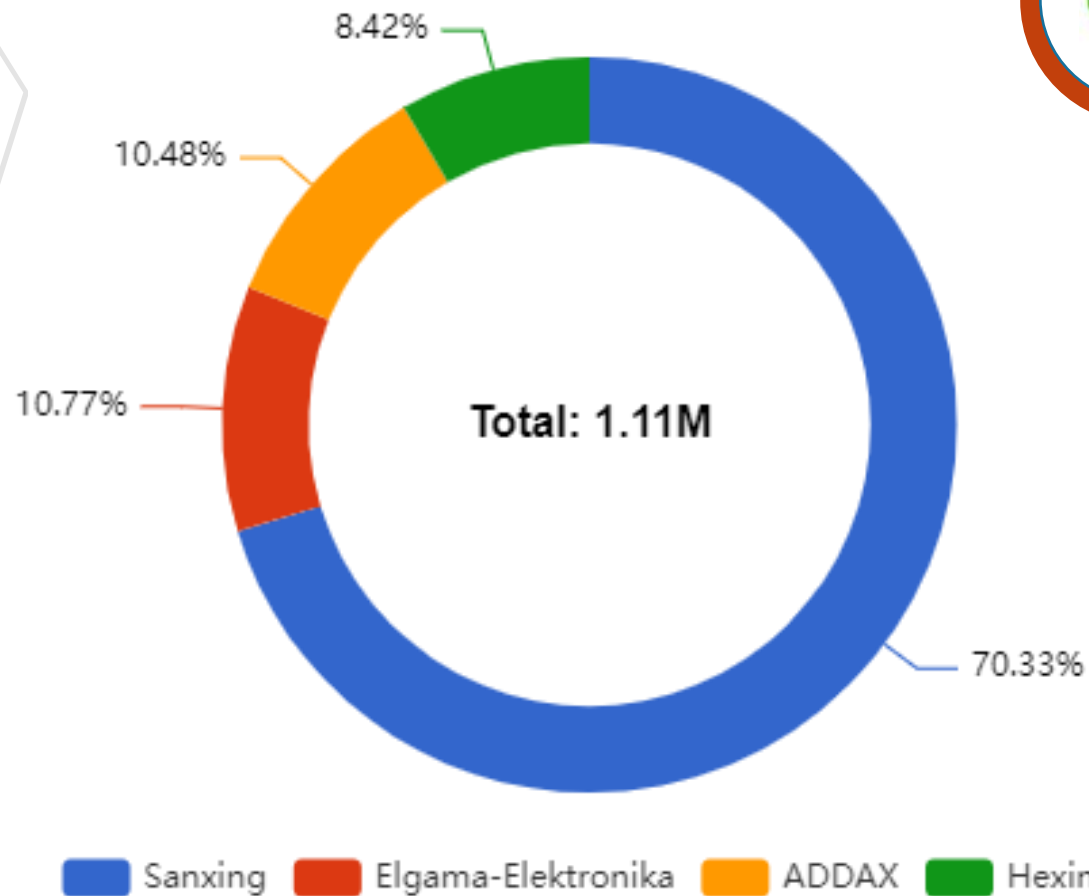
95%

Total of all meters

97,4%

Count of total
energy
consumption

SMART METER VENDORS



HEXING (point-to-point)



Sanxing (G3-PLC)



ADD Grup (PLC PRIME)



Elgama (point-to-point)

SMART METER DATA

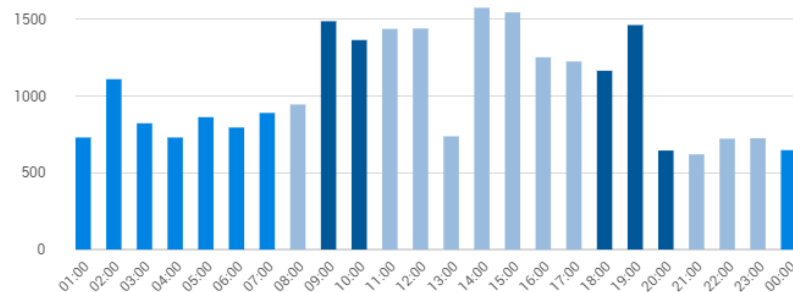
Patērētā elektroenerģija (A+) (kWh) Reaktīvā saņemtā enerģija (R+) (kVAh)

Reaktīvā tīklā nodotā enerģija (R-) (kVAh)

20.04.2018



kWh



Hourly
consumption
(energy profile)



Monthly billing



- Events & Alarms
- Power quality
- Instantaneous values
- Relay remote control

94%

avg. EP KPI

ENERGY PROFILE KPI

ENERGY PROFILE KPI, 08h

Energijas profils, KOPĀ

26.02.2023

93.6%

-0.3% last week



Sanxing

12.03.2023

90.9%

-2.1% last week



Hexing

12.03.2023

95.5%

+0.0% last week



Addax

12.03.2023

96.2%

+0.2% last week



Elgama

12.03.2023

97.1%

-0.2% last week



99%

avg. BP KPI

BILLING PROFILE KPI

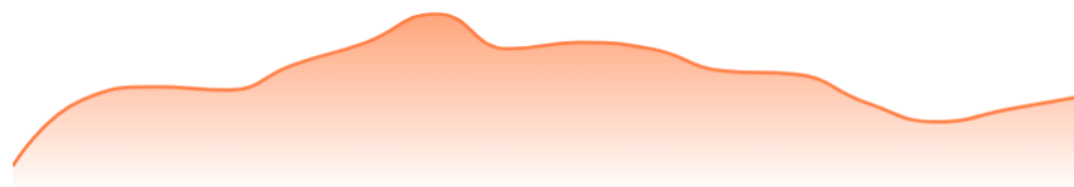
BILLING PROFILE KPI

Norēķinu profils, KOPĀ

Feb 2023

98.9%

+0.0% last month



Sanxing

Feb 2023

99.0%

+0.0% last month

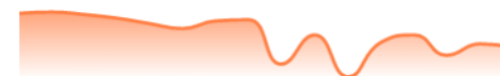


Hexing

Feb 2023

98.7%

+0.0% last month



Addax

Feb 2023

98.6%

+0.1% last month



Eglama

Feb 2023

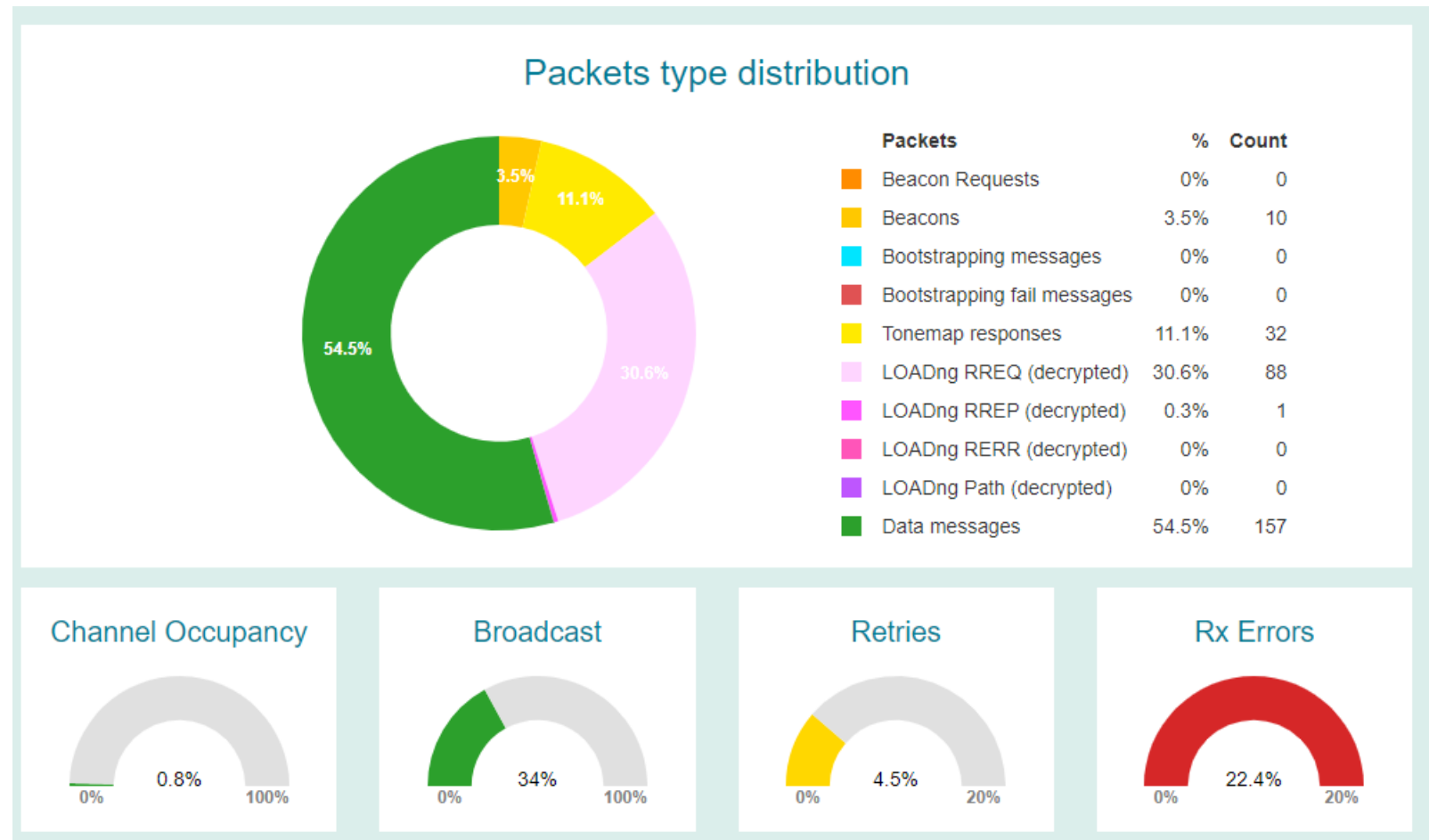
98.9%

+0.1% last month



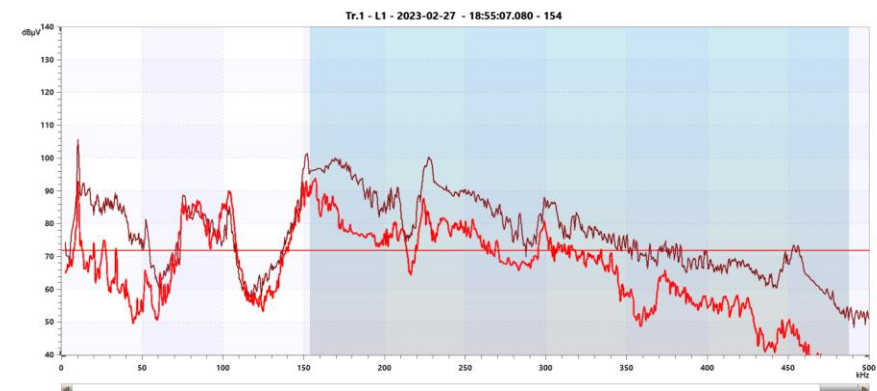
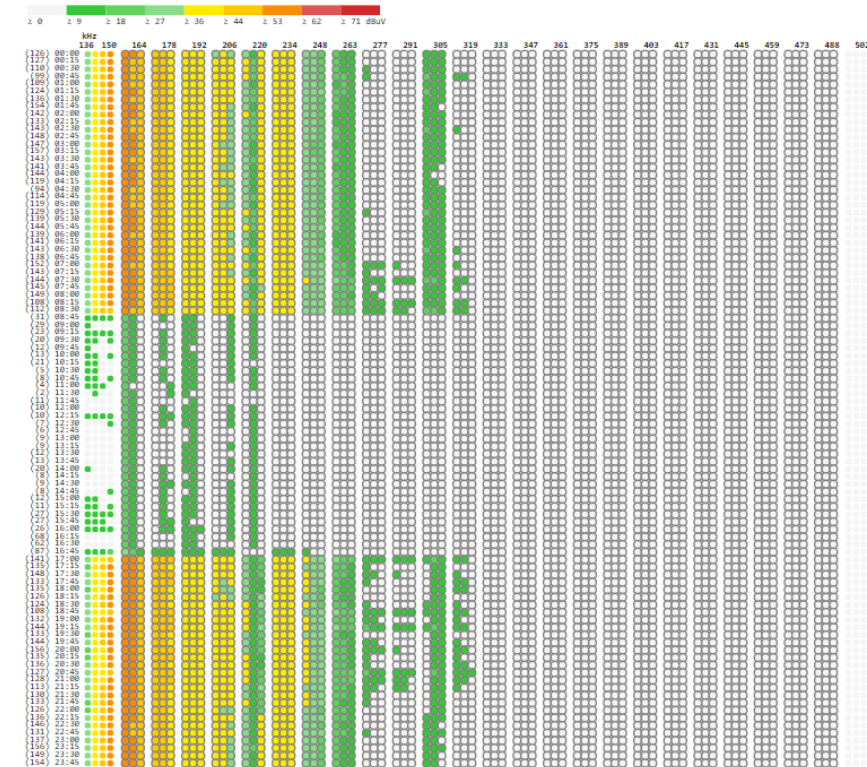
G3-PLC READING ISSUES

Statistics on the number of different frames: LOADng accounts for too much, especially during the time when the meter initiate registration



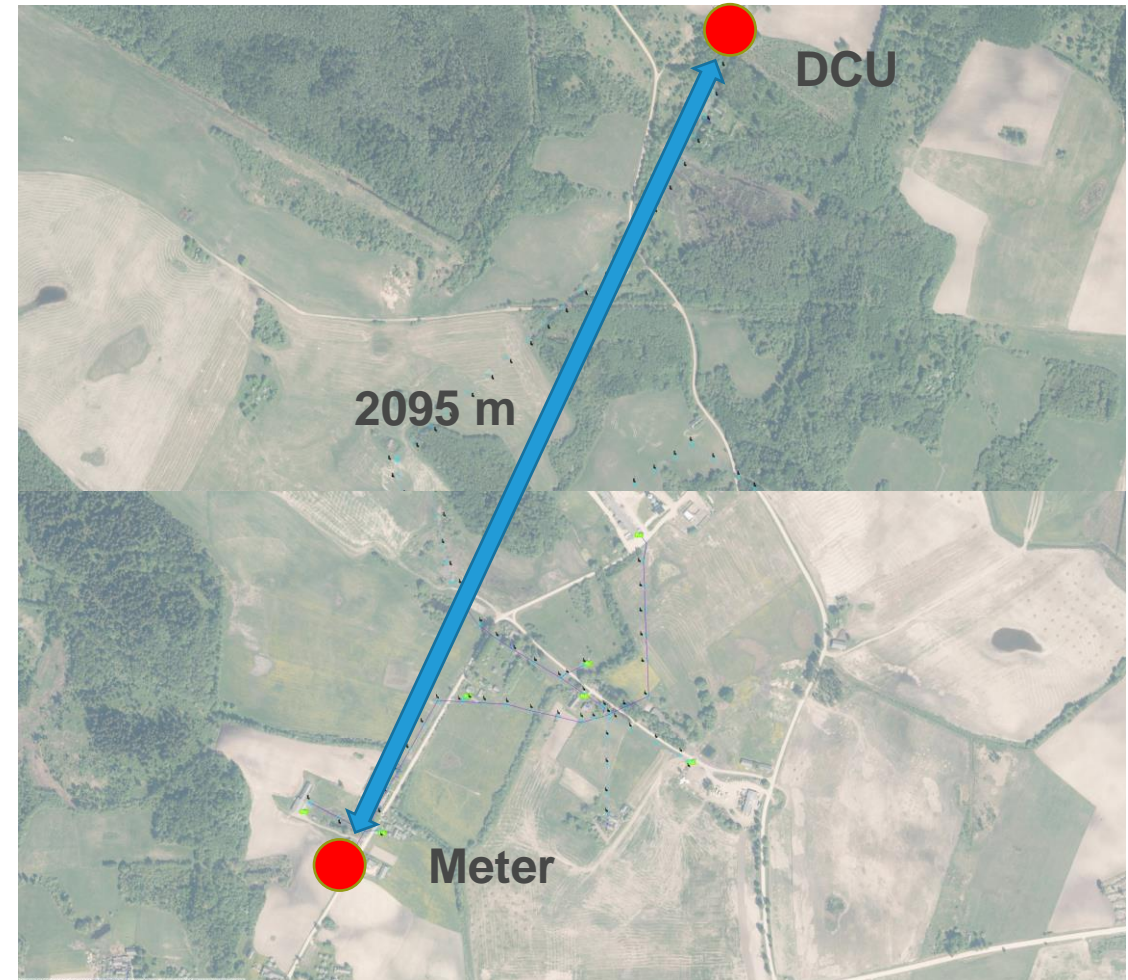
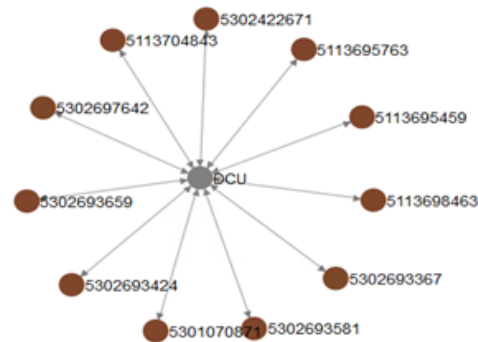
G3-PLC READING ISSUES

Noise source – outdoor led floodlight



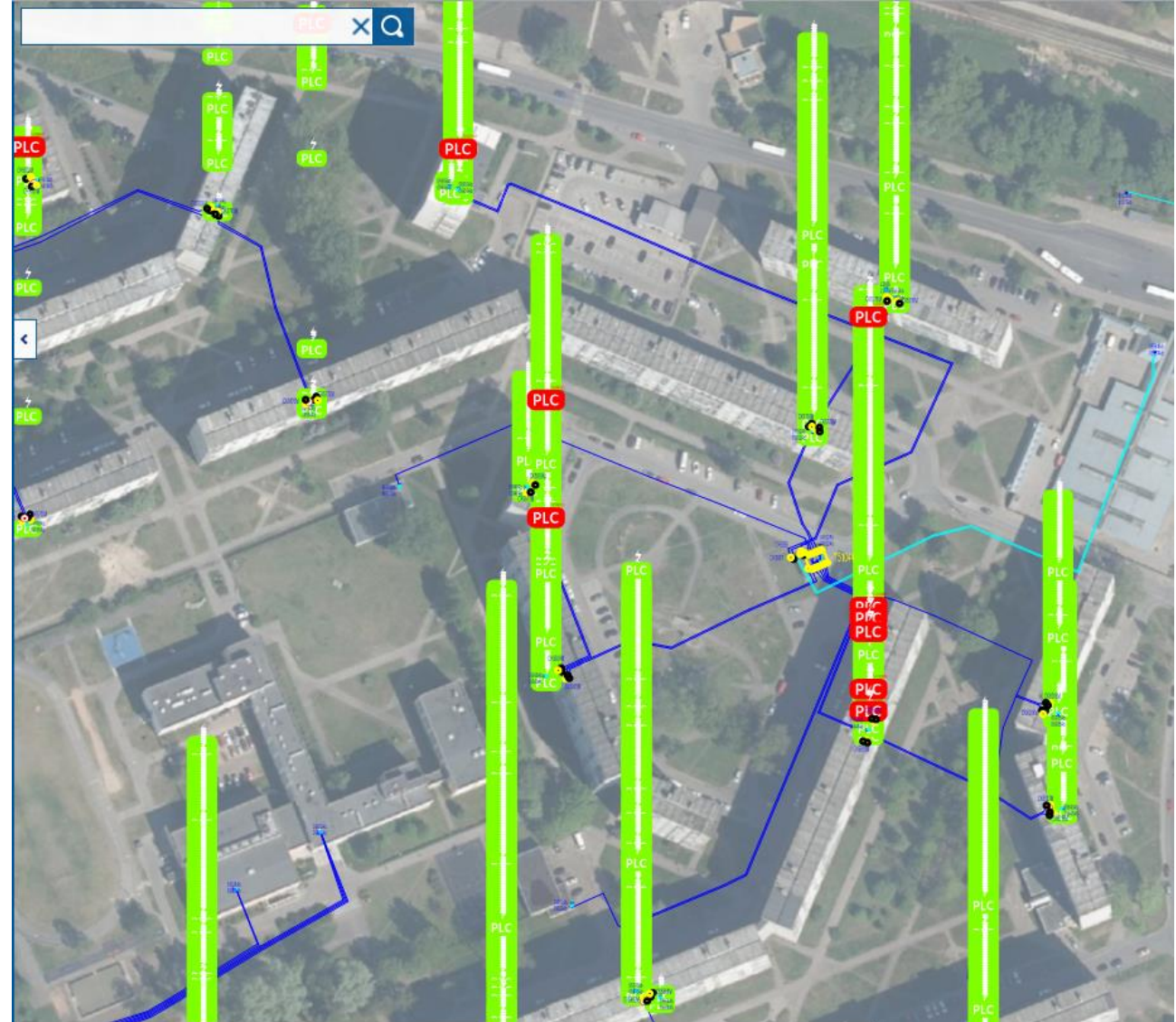
G3-PLC LONG DISTANCE READINGS

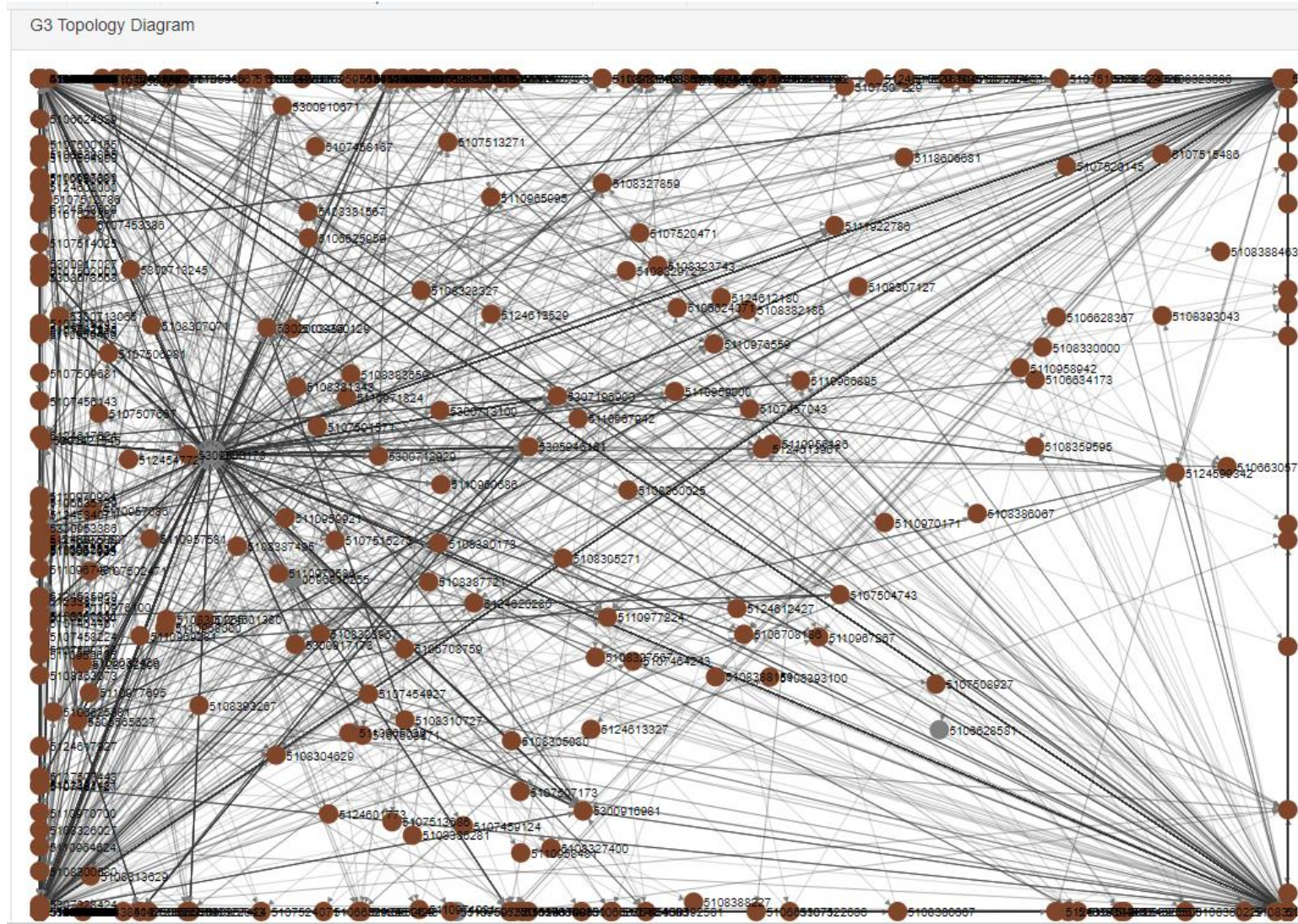
- METER STATUS : Readable
- Communication : G3 PLC, FCC frequency band
- Overhead power line;
- Distance to DCU : **2095 m**



G3-PLC biggest number of meters in one transformer station

Installed DCUs: 2pcs;
Installed meters: **1.17k pcs**;
Currently unreachable meters: 8pcs;





Thank You!

