The Leading-edge in Net Neutrality Monitoring:

End-to-End from User Experience to Network Performance
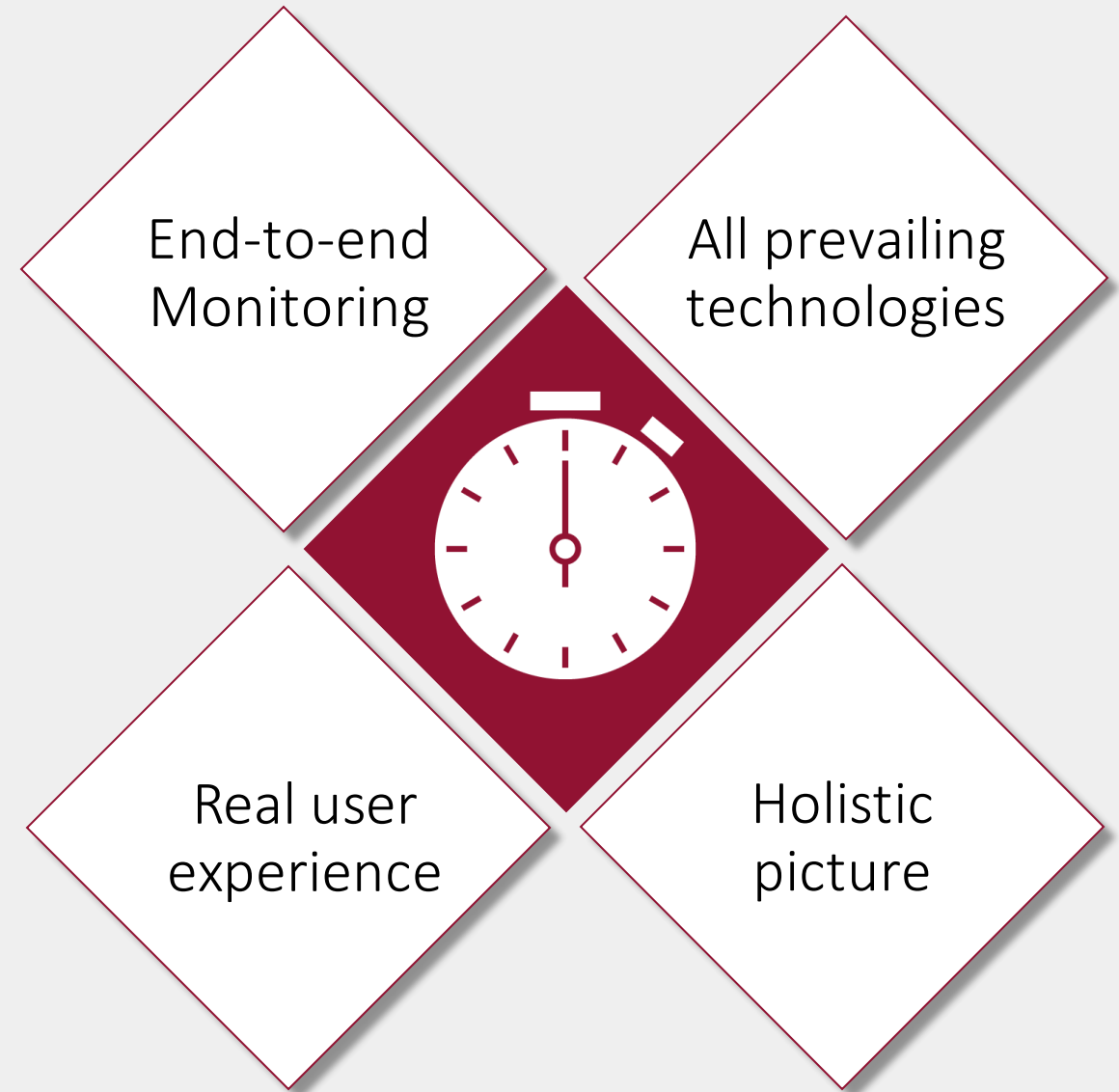
InfoFest, Budvar 2018

alladin

alladin-IT

- alladin-IT develops software, consults and supports its clients since 2005

- Experts for internet and network quality monitoring since 2011

- No.1 system provider for NRAs in Europe with „Nettest"

- Developer of the BEREC NN Reference System 2018-2019

Map of Europe by Maix (Wikimedia Commons)
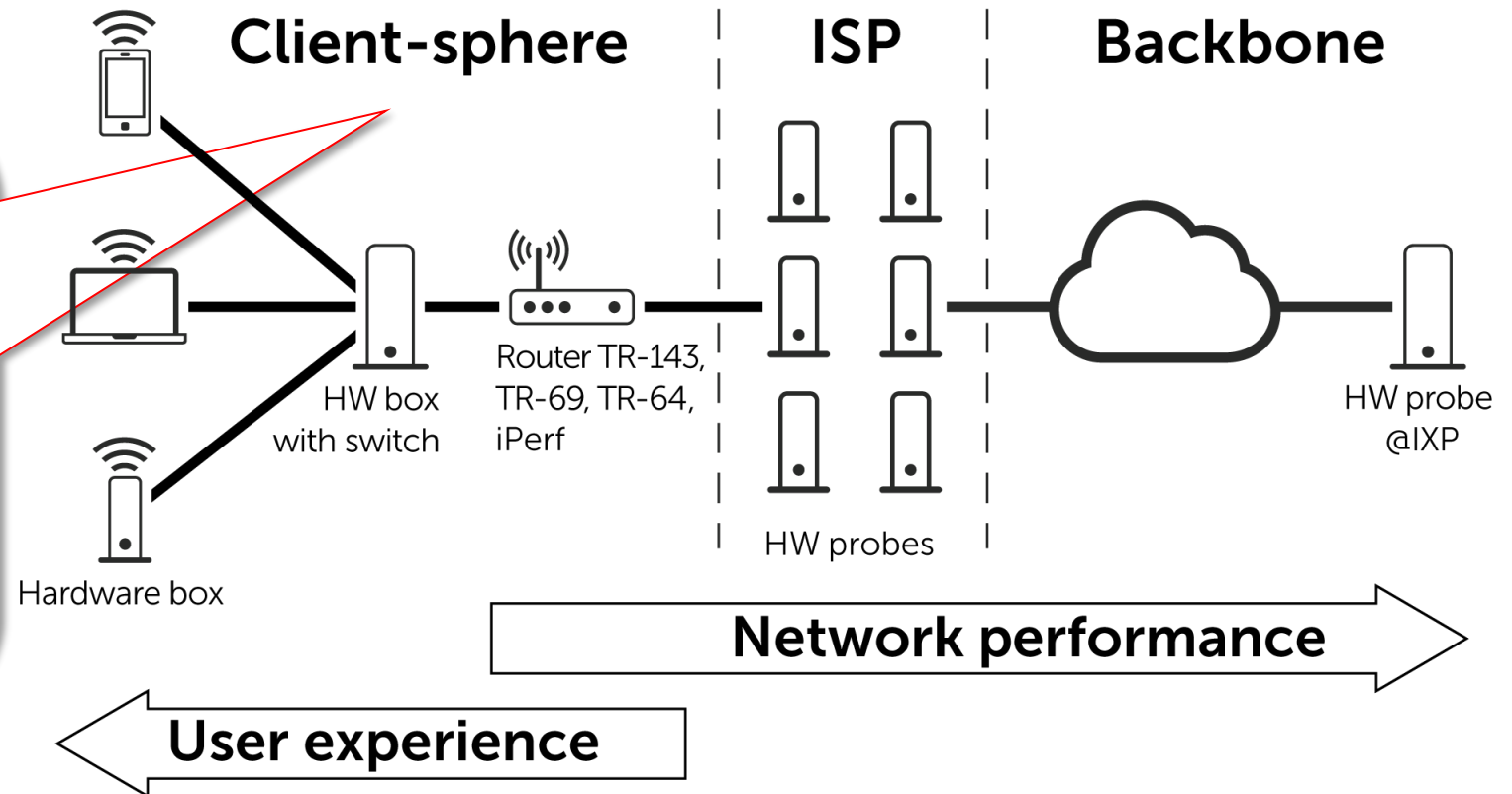
The leading-edge

- **End-to-end Monitoring**
  From standard end-user devices to IXP

- **All prevailing technologies**
  Covers fixed-line, WiFi and mobile

- **Real user experience**
  Tests of popular services

- **Holistic picture**
  Generate national ICT transparency

End-to-end Monitoring

All prevailing technologies

Real user experience

Holistic picture

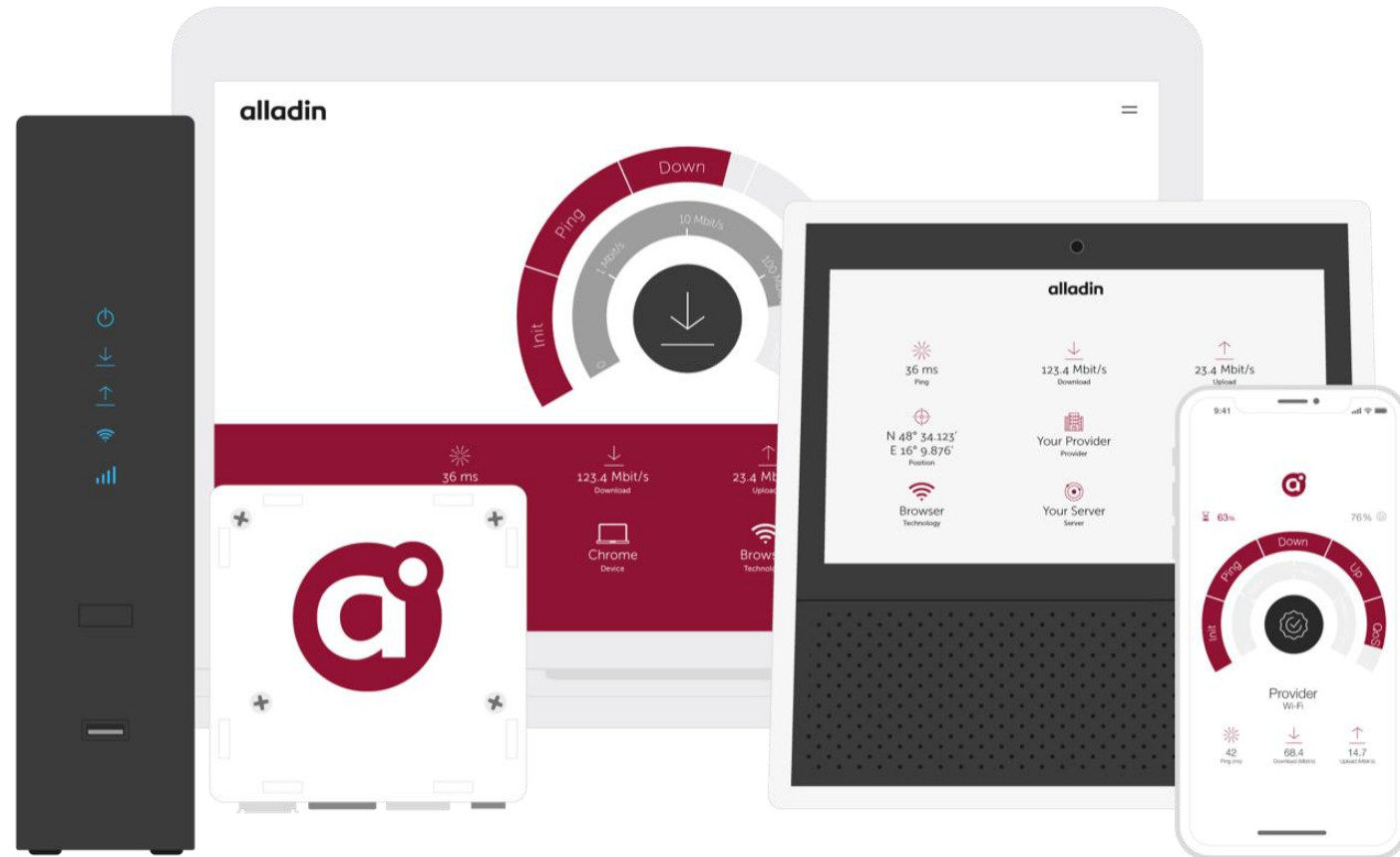# End-to-end monitoring

Client-sphere   **ISP**   **Backbone**

Nettest enables NRAs to:
- Monitor mobile & browser crowd-sourced
- Provide end-users HW-probes for fixed-line & WiFi
- Comparable results by using one test methodology for all clients
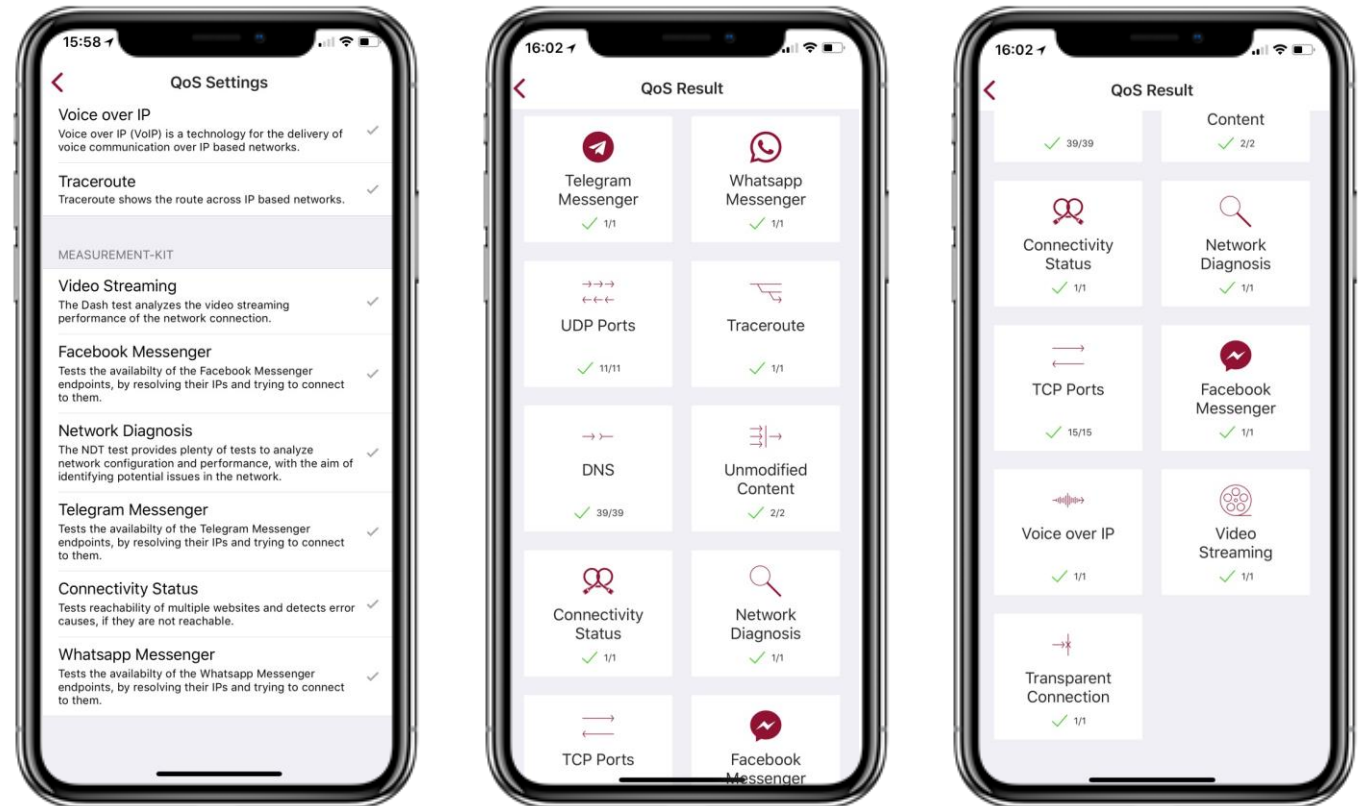- Know actual user experience & network performance

HW box with switch

Router TR-143, TR-69, TR-64, iPerf

Hardware box

HW probes

HW probe @IXP

Network performance

User experience
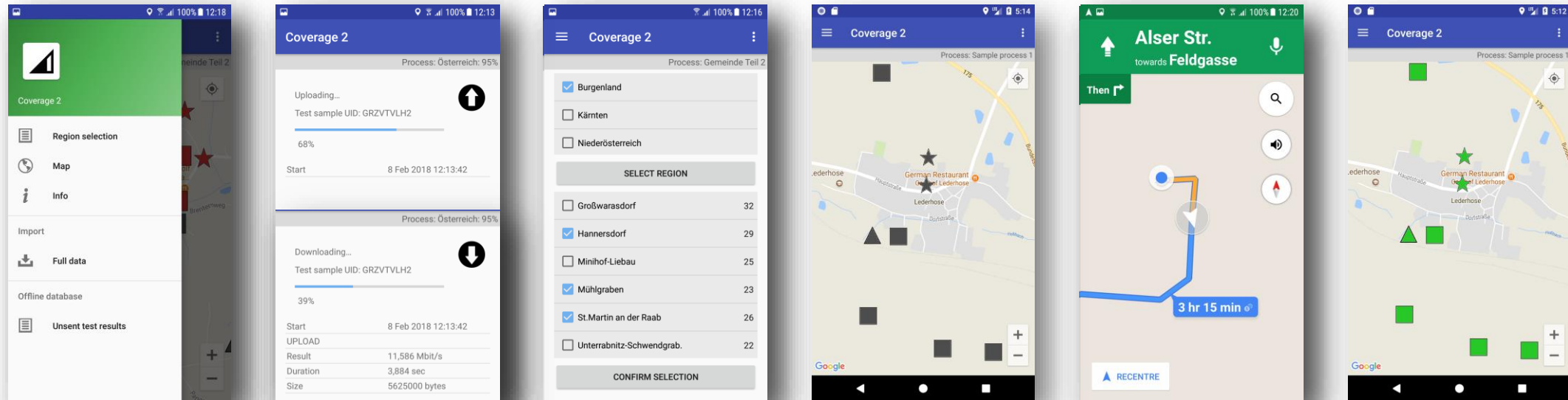
One system for all prevailing technologies

Real user experience

The Nettest system is continuously enhanced by **social media, video streaming, connectivity status & network diagnosis** testing.

"Future testing has to become more people-oriented and to cover popular services"

Get the holistic picture

Select options

UL/DL of measurement points & results

Select points for individual worklist

See different points and operators

Automated navigation to points

See new status after measurment

- alladin´s "Coverage Check App" for professional management of official coverage obligations checks
- Saves money & time and minimizes usage errors. "All-in-one" integration App approach.

Combine crowd-sourced, fixed-line and coverage checks results.

It´s about user experience

EUROPE'S N°1 TOOL
OBJECTIVE
NEUTRAL   RELIABLE
TRUSTED BY REGULATORS

Nettest, the most advanced monitoring system for NN, QoS & QoE

Nettest & the BEREC NN Reference System

- alladin´s Nettest is the basis of the BEREC NN Reference System

- The project has just started this September

- Project owner is the BEREC office, Mr. Savvas Andreadis

- Updates from existing Nettest versions to the BEREC standard are available in 2019

- NRAs choosing alladin as implementation partner today, will get the full BEREC version in 2019

For more information see our project website: https://net-neutrality.tools

Key facts Nettest

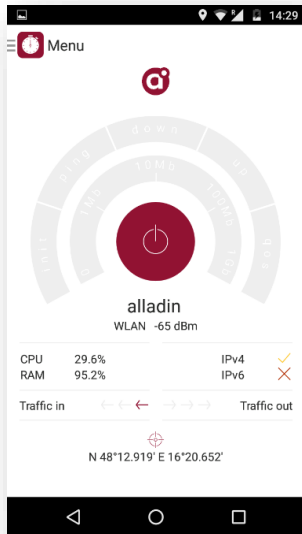The first and only independent, crowd-sourced, open-source & open-data-based solution.

- For performance, quality, experience and Net Neutrality monitoring

- Tests more than 150+ parameters

- For fixed-line, WiFi and mobile

- Available for Android, iOS, browsers & desktop

- Measuring points can be configured flexible and individually

- Available on dedicated hardware boxes (ANT-box)

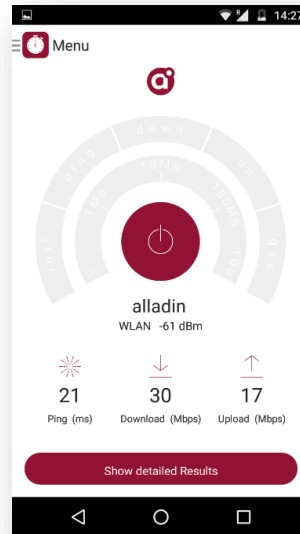- Tests video & audio streaming experience

- Management interface, statistics and reporting tool
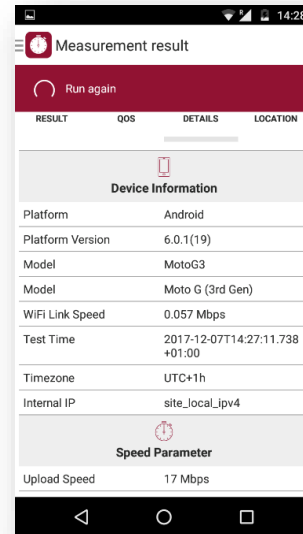
Measure everything, everywhere and anytime

Nettest´s mobile look and feel

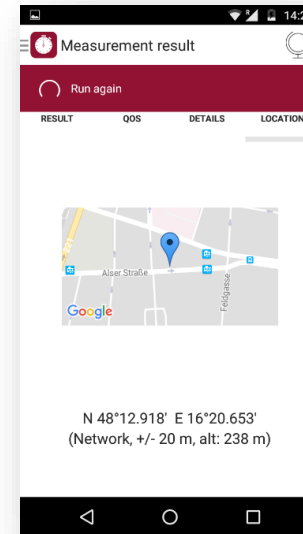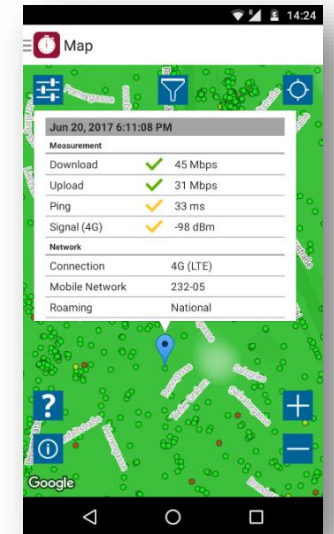

Start the test

See performance results

More details of your test

Find your result on the map

Look at all national results

Map view of result details

Nettest @ANT Box: plug & play

1. Connect box to LAN cable

2. Connect LAN cable to network

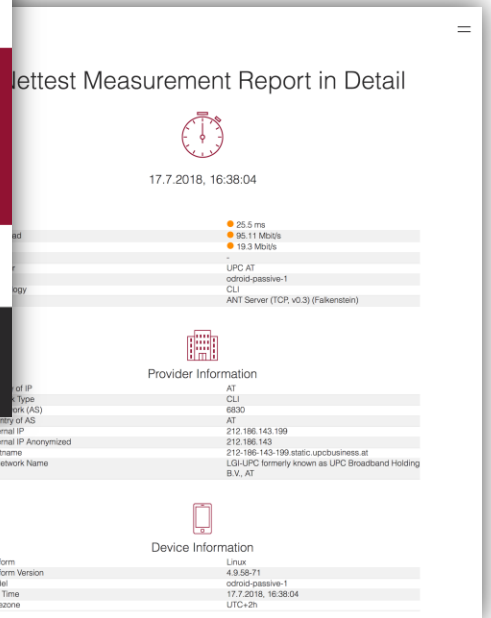
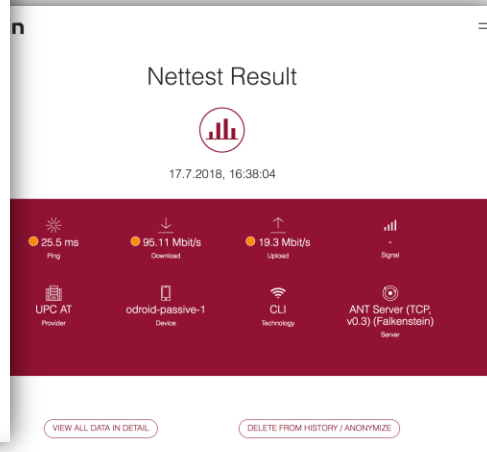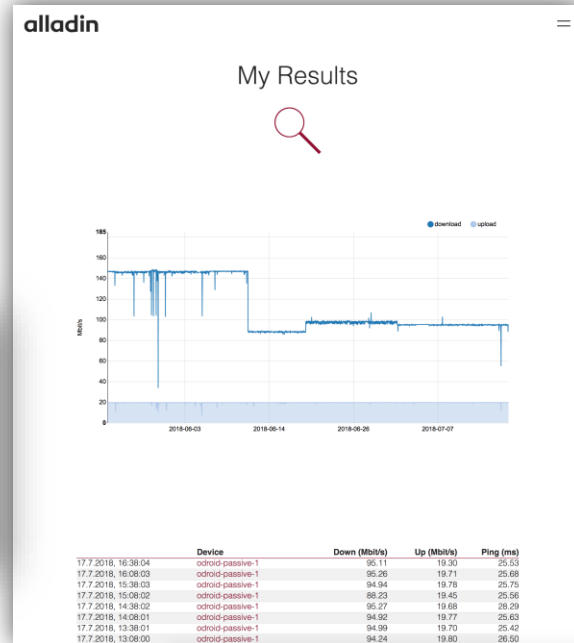3. Connect box to power adapter

Red light:
Power On

Yellow Light flashing:
Box is active

ANT Box: reports and statistics

Check results online in real-time using the link or the QR-code

Contact Details

Johannes Lusak, COO

alladin-IT GmbH
Austria

+43 1 890 57 39
office@alladin.at
https://alladin.at
https://nettest.alladin.at
https://net-neutrality.tools

alladin