



TULINX  
LINKING TECHNOLOGIES



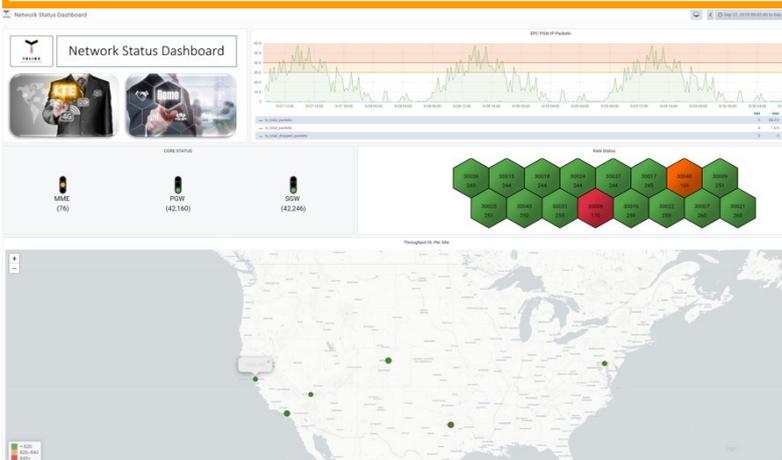
# AWACS DASHBOARD

## Visualise Status and Performance

### 2G/3G/4G/5G Private Networks and Small Cells

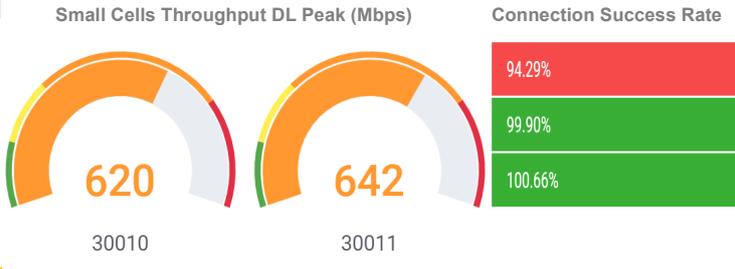
Private LTE Networks are growing with the availability of shared spectrum such as OnGo(CBRS). These privately-owned mobile networks do exist already since the days of 2G for indoor networks with small cells. With 5G, private or Non-Public Networks (NPN) are now being standardised by 3GPP because of the growing need for reliable, low-latency mobile networks. Private networks are often managed by the system integrator or IT manager instead of a public mobile operator. In such cases affordable and advanced solutions are required to reduce the skills necessary to maintain such a network. With Tulinx, vendor-agnostic management tools are now available.

AWACS Dashboard is an easy-to-use solution to visualize the status and performance of Non-Public or Private mobile Networks and Small Cells. This web-based software is made for monitoring all the different network elements and allows to view performance and service quality KPI's that can be used for SLA management. The GUI is using the Grafana© metric analytics & visualization suite which is based on open-source. Standard delivery comes with a fully ready-for-use dashboard setup, for real-time monitoring of Private Networks with automatic updated views and user management.



- ### PRODUCT FEATURES
- ✓ Real-time monitoring
  - ✓ Vendor-agnostic
  - ✓ All technologies (2G, 3G, 4G, 5G etc...)
  - ✓ KPI's for SLA management
  - ✓ One solution for Radio (RAN) & Core (EPC)
  - ✓ Add other data sources for better insights
  - ✓ User friendly web-interface
  - ✓ Open to create your own dashboards

- ### USE CASES
- ✓ Real-Time Network Status Monitoring
  - ✓ Performance or Quality Reporting
  - ✓ SLA Management
  - ✓ Pilots and special projects (e.g. events)



**If you want to now more contact us immediately +31 642708833 / sales@tulinx.com**

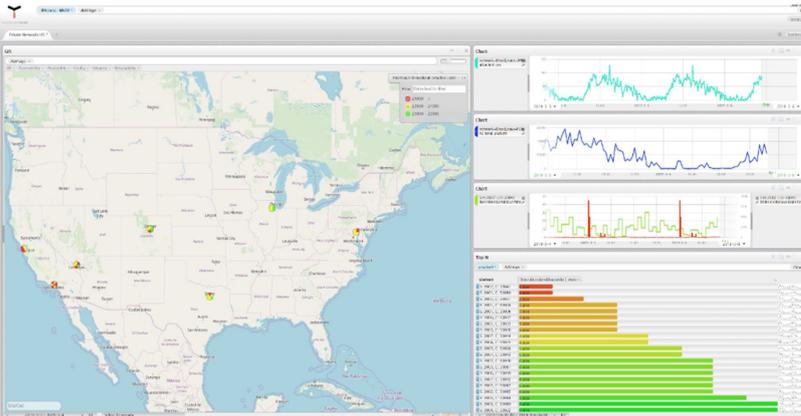


# AWACS PM

## Detailed Performance Analysis of 2G/3G/4G/5G Private Networks and Small Cells

For System integrators or small cell network operators (e.g. neutral host) that require a detailed analysis on their networks AWACS PM is the perfect fit. This is a web-based visualisation solution which presents all available network data (KPI's, counters, site/cell configuration information, etc.) in a web-based GUI with different widgets and modules.

The AWACS PM GUI can monitor, visualise and analyse all available KPI's and (raw) data available in the data warehouse. The data can be made visible in Charts for trend analysis, Top-N lists and on a MAP (GIS). Visualisation of all different network elements (cell, sites, controllers, nodes, gateway) can be done in one view in single or multiple charts . This includes all current and future technologies (e.g. 2G/3G/4G/5G, Macro and small cells, Transport and Core).



### PRODUCT FEATURES

- ✓ Real-time monitoring
- ✓ Vendor-agnostic
- ✓ 2G, 3G, 4G and 5G support
- ✓ KPI creation for any network element
- ✓ Ready for HetNET and Small Cells
- ✓ User friendly web-interface
- ✓ Create your own views and bookmark
- ✓ Modular

### USE CASES

- ✓ Performance Monitoring (NOC/SOC)
- ✓ Troubleshooting & Optimisation
- ✓ Performance or Quality Reporting
- ✓ Site Integration
- ✓ Special Events
- ✓ Before/After analysis e.g. RAN swaps
- ✓ Pilots and special projects

**You want more information ?**

**contact us immediately +31 642708833**

**sales@tulinx.com**

